

City of Boulder Open Space and Mountain Parks 2010-2011 Visitor Survey Report ver. 1.0



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This report represents the collective work of the Monitoring work group with support from the Resource Information Systems work group within the City of Boulder's Open Space and Mountain Parks (OSMP) Department.

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**City of Boulder Open Space and Mountain Parks
2010-2011 Visitor Survey Report ver. 1.0
Executive Summary**

The City of Boulder's Open Space and Mountain Parks (OSMP) and its predecessors have conducted periodic surveys of visitors to land managed by OSMP. From June 2010 through May 31, 2011, OSMP conducted another self-administered exit survey of visitors leaving OSMP. The purpose of the survey was to understand and characterize OSMP visitors, their experiences on OSMP lands, and their perceptions of various aspects of OSMP management. A total of 2,552 visitors completed the survey. Some of the survey's key findings are summarized below.

Visitor characteristics

- Most OSMP visitors live in the City of Boulder (estimated 59%) or in Boulder County but outside of the city limits (estimated 19%). These proportions are very similar to those observed during the 2004-2005 visitor survey.
- Many OSMP visitors visit regularly. On average, respondents visit OSMP 12 times per month. This is the same average monthly visitation rate reported in 2004-2005. Nearly two thirds of respondents in the current survey reported visiting OSMP more than once a week.
- Many OSMP visitors have a long (greater than ten years) history of visiting OSMP. Respondents have been visiting OSMP for 13.6 years on average. This is 2.6 years longer than the estimated history of visitation reported in 2004-2005. A quarter of respondents in the current survey reported visiting OSMP greater than 20 years.
- Adult OSMP visitors are of all ages. On average, respondents were 44 years old. This is four years older than the average age reported in 2004-2005.

Trip characteristics

- An average visit lasted an estimated 75 minutes in 2010-2011. This estimate is slightly longer than the estimated average visit length in 2004-2005 of 59 minutes.
- Most visitors drive to the trailhead. An estimated 57% drive, 34% walk or run, and 9% ride a bicycle to the trailhead. These proportions are very similar to the proportions observed during the 2004-2005 visitor survey.
- Most visitors visit OSMP by themselves or with one other person.
- Less than one third (estimated 31%) of visitors had at least one dog with them on the day of their visit. This is less than the estimated 34% of visitor who had at least one dog with them on the day of their visit in 2004-2005. Respondents with dogs were most likely to report having only one dog with them.
- Visitors are divided on their reason for visiting OSMP; an estimated 49% came to OSMP "because it is a good place to do the activities that (they) enjoy", while an estimated 42% came "to enjoy the place itself". A similar division was observed in 2004-2005.
- Two in five of visitors (estimated 41%) indicate hiking or walking (with or without dogs) is their primary activity. Nearly one in five (estimated 19%) state dog walking is their primary activity and another one in five (estimated 18%) say running (with or without dogs) is their primary activity. One in ten visitors (estimated 11%) reports cycling as their primary activity.

Service and experience ratings

- Of the services listed on the survey, respondents rated their “ability to access (their) destination” and “overall satisfaction with Open Space and Mountain Parks” most favorably. Over 70% of respondents rated their recent experience with these services as an “A”.
- Survey respondents rated their recent experience with “restroom cleanliness” and “fixing eroded or trampled areas” least favorably. For these services, as well as “enforcement of rules” and “trailhead and nature education”, fewer than 50% of respondents assigned a rating of “A” to the service.
- Overall, respondents rated their recent experience with hikers and runners more favorably than their experience with horseback riders, dogs/dog guardians, and cyclists.



Conflict

- Seven percent of respondents reported experiencing conflict on the ***day of their visit***. This rate is higher than the estimated rate of conflict in 2004-2005 (4% on the day of their visit). Some of the increase may be due to changes in the wording of the survey question regarding conflict.
- Five percent of respondents reported experiencing conflict ***specifically with dogs/dog guardians on the day of their visit***. Respondents most commonly described issues related to excrement removal (e.g., failure to pick up excrement, leaving a bag along the trail) as the reason for conflict specifically with dogs/dog guardians. Other reasons for conflict were dogs making contact with visitors but not injuring them, uncontrolled dogs, lack of compliance with dog regulations, dogs attacking or injuring visitors or their dogs, dogs blocking the trail and dog approaching visitors.
- Two percent of respondents reported experiencing conflict ***specifically with mountain bikes on the day of their visit***. Respondents typically indicated lack of warning, lack of yielding, and speed and the attitude of the cyclists as reasons for the conflict specifically with mountain bikes.
- There was no relationship between many of the visitor and trip characteristics measured, including belonging to a specific activity group, place of residency, frequency with which the respondent visits OSMP per month, reason for the visit, season of visit, type of day (i.e., weekday vs. weekend), or length of visit, and whether the respondent reported having experienced conflict on the ***day of their visit***.
- Respondents’ age and the volume of visitation at the access point from which they exited affected the odds of reporting conflict on the day of their visit.
- Thirty-nine percent of respondents reported experiencing conflict on OSMP ***in the past 12 months***.

Displacement or avoidance

- Nine percent of respondents report avoiding or visiting a place less often
- Sanitas was the most commonly cited location being avoided or visited less often although Doudy Draw, Marshall Mesa, Chautauqua, and Dry Creek were each named by at least 5% of respondents who report avoiding or visiting a place less often.
- The reason an area was avoided tended to be site specific although issues related to dogs/dog guardians, mountain bikes, and/or crowding were commonly reported.



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1.0 Introduction

The City of Boulder's Open Space and Mountain Parks Department (OSMP) manages over 35,000 acres of open space in and around the City of Boulder (unpublished data, OSMP RIS staff). OSMP's charter purposes, as outlined in Sec. 176. Open Space purposes-Open Space land of the City of Boulder charter, guide the management and use of this land. These charter purposes are reflected in OSMP's mission "to preserve and protect the natural environment and land resources that characterize Boulder", and "foster appreciation and use that sustain the natural values of the land for current and future generations".

In support of its mission, OSMP offers over 145 miles of designated trails (unpublished data, OSMP RIS staff) for passive recreation. Visitation studies over the past two decades suggest visitation to OSMP-managed lands is high (i.e. over 1 million person visits annually) and likely growing (Zeller et al. 1994, City of Boulder 1997, and Vaske et al. 2009). From June 2004 through May 2005, the latest year for which visitation data is available, OSMP-managed lands received an estimated five million person visits (Vaske et al. 2009).

To better understand OSMP visitors, including their recreation goals and experience on OSMP, and to evaluate the OSMP's service delivery to visitors, OSMP (or its predecessors the Open Space/Real Estate Department and the Mountain Parks Division of the Parks and Recreation Department) conducted periodic surveys of visitors to land managed by OSMP (Zeller et al. 1994, City of Boulder 1996 and 2001, Vaske and Donnelly 2008). These surveys have varied in geographic scope, populations surveyed, survey design and methodology, and focus of the survey questions. Despite this, these surveys provide some understanding of changes or trends in visitor characteristics, preferences, and perceived experiences on OSMP managed land.



OSMP surveyed its visitors again from June 2010 through May 2011. OSMP staff modeled the 2010-2011 OSMP Visitor Survey on the 2004-2005 OSMP Visitor Survey, and the surveys contained many of the same questions. The overall goal of the 2010-2011 OSMP Visitor Survey (the Survey) was to understand and characterize OSMP visitors, their experiences on OSMP lands, and their perceptions of various aspects of OSMP management. This document, which is version 1.0, provides the methods and results of the Survey.

2.0 Methods

Staff conducted a self-administered exit survey (Appendix A) of visitors leaving OSMP property from June 1, 2010 through May 31, 2011. The survey period consisted of four seasons: summer (June 1 through August 31, 2010), fall (September 1 through November 30, 2010), winter (December 1, 2010 through February 28, 2011), and spring (March 1 through May 31, 2011).

Staff used a two-stage cluster sampling design to randomly sample exiting OSMP visitors. OSMP access points were the primary sampling units in this design and exiting visitors were the secondary sampling units. For the purposes of this survey, access points were defined as all points at which visitors enter and/or exit OSMP property *and* met the following criteria:

1. The annual visitation level at the point was estimated by OSMP staff in 2004 to be at least 1,000 annual person visits (i.e. 3 person visits per day on average);
2. Traveling to the point did not require crossing private property and/or the point was not located on private property or other non-OSMP property (unless OSMP has explicit permission to cross or be on the private property); and
3. The point was open to visitor access for the majority of the study period.

Appendix B contains a list of all access points included in the 2010-2011 Visitor Survey.

Staff categorized each access point in the sampling frame (219 in total) according to the estimated level of visitation. High visitation access points receive more than an estimated 75,000 person visits per year. Medium visitation access points receive an estimated 25,000-75,000 person visits per year, Low access points receive an estimated 10,000-24,999 person visits per year, and Very Low access points receive less than an estimated 10,000 person visits per year. The sampling frame contained 16 High access points, 41 Medium access points, 71 Low access points, and 91 Very Low access points (Appendix B).



To increase the number of visitors surveyed, staff oversampled higher visitation access points. For each season, staff randomly selected, with replacement, 20 High access points, 20 Medium access points, and 20 Low access points from the sampling frame. Similarly for each season, staff randomly selected 12 Very Low access points from the sampling frame; however, for the Very Low access points selection occurred without replacement. This resulted in the random selection of 72 access points for each season. A total of 142 distinct access points were selected across all four seasons.

To determine when (date and time slot) staff would survey visitors at each of the 72 access points selected per season, staff created a separate sampling frame of all possible date/time slot combinations in each season. Because each day was divided into three time slots: morning, midday, and afternoon/evening and there are 90-92 days per season, the resulting sampling frame of all possible date/time slot combinations contained 270-276 cells per season. All date/time slot combinations were available for selection including time slots that occurred on holidays. Staff randomly selected, without replacement, 72 date/time slots from this sampling frame each season. Staff then randomly assigned the 72 access points selected for each season to the 72 date/time slots to establish a survey administration schedule for each season.

In the field, staff attempted to ask each visitor leaving OSMP to participate in the survey. Not every visitor agreed to participate in the survey. For each exiting visitor that did, the survey administrator provided the visitor with a hard copy survey clipped to a clipboard along with a pencil and asked the visitor to complete both the front and back sides of the survey.

On occasion staff was not able to ask each visitor leaving OSMP to participate in the survey. This generally occurred at either high volume access points or when fast moving visitors pass the survey point. At high volume visitation access points staff members administering the survey might be engaged in conversation with one visitor when another exited the area. Fast moving visitors (runners and/or cyclists) sometimes passed the survey point before the survey administrator could contact them.

The survey administrator recorded the number, perceived activity, and presence/absence of an accompanying dog of those visitors who refused to participate and those who passed the survey station without being asked to participate (Appendix C). Staff used this information to calculate a response rate (# of visitors participating in the survey/# of visitors asked to participate in the survey) and evaluate possible under- or oversampling of specific groups of visitors, such as runners with dogs or cyclists without dogs.



Staff entered data from complete surveys into a MS Access database for storage and sorting. Complete surveys were those surveys in which the respondent provided responses to questions on the front side of the survey *and* at least a portion of the questions on back side of the survey. Staff did not enter data from incomplete surveys into the database. A staff member other than the person entering the data checked the data entry in the database to ensure the data entry was accurate.

Staff analyzed the survey data using MS Excel, SAS 9.1, and SYSTAT 11. When appropriate, staff weighted the raw survey data to account for the sampling design during analysis. OSMP followed methods outlined by Salant

and Dillman (1994) to calculate survey weights. These methods assign a lower weight to surveys collected at High access points and a higher weight to surveys collected at Medium, Low, and Very Low access points to account for the oversampling of the High access point primary units. Table 1 presents the survey weights calculated weights for each season individually and for the entire survey period.

Table 1. Weights applied to surveys collected at access points with different visitation volumes by season and for the entire (overall) survey period

Access Point Visitation Volume	Summer 2010	Fall 2011	Winter 2010-2011	Spring 2011	Overall 2010-2011
High	0.47	0.57	0.61	0.59	0.54
Medium	1.21	1.62	1.65	1.45	1.43
Low	2.10	2.66	2.71	2.63	2.45
Very Low	4.49	5.68	5.79	6.13	5.34

The analyses presented in this report include:

1. Univariate analysis (primarily frequency analysis) of responses for each survey question
2. Bivariate analysis of the relationship between responses for each survey question and season to evaluate differences among seasons
3. Bivariate analysis of the relationship between responses for each survey question and selected visitor and trip characteristics to elucidate differences in responses among specific segments of the visitor population (e.g. Boulder residents, long-time visitors, hikers, etc.)
4. Logistic regression of conflict responses to better understand factors/variables associated with the likelihood of experiencing conflict on OSMP properties

For all analyses, non-responses¹ and invalid responses² were not included in the analyses. For example, if 2,500 respondents completed the survey and the responses to the question “How did you get to the trailhead?” are as shown in Table 2, the respondents who did not respond (DNR) to this question and those who gave invalid responses are not included in the calculation of the percentage of respondents who indicated they get to the trailhead by any mode of transportation. The number of surveys included in the analyses will be provided in the table title or figure caption (n=2,200 in this example).



¹ This includes instances where “NA” was selected by the respondent (applies only to survey questions 12 and 13).

² For example, respondent chooses two responses for a questions that requires one and only one response,

Table 2. *Hypothetical* distribution of responses to the survey question “How did you get to the trailhead?” (n=2,200)

Response	# of Surveys	Frequency
Rocketship	1000	45%
Horse and Buggy	800	36%
Sled	400	18%
Subtotal	2200	100%
DNR	290	
Invalid	10	
Total	2500	

The report includes a comparison of the results of the univariate analysis of responses for each survey question to the results obtained for the same question in the 2004-2005 OSMP visitor survey (Vaske and Donnelly 2008). However, staff did not test any differences between the two surveys for statistical significance.

During preparation for the 2010-2011 visitor survey, staff elected to use a slightly different sampling design, one that sampled more medium and low volume access points compared to the 2004-2005 visitor survey. Additionally, the 2010-2011 visitor survey sampling design also omitted Boulder Falls from the sampling frame due to a change in the management of that property³. To prevent reporting of observed changes that are influenced more by a change in sampling design than a change in actual visitor characteristics or experience, OSMP elected not to perform a statistical analysis of the comparison of results between survey years.



For each bivariate analysis, staff ran Chi-square tests of independence to determine whether the responses to survey questions depended upon inclusion in the visitor group. Staff also calculated the Cramer’s V coefficients to evaluate the strength of any statistically significant relationship following guidance of Vaske et al. (2002). Vaske et al. (2002) suggest a Cramer’s V of 0.1 denotes a “minimal” relationship while a Cramer’s V of 0.3 a “typical” relationship and a Cramer’s V of 0.5 a “substantial” relationship.

³ During the 2004-2005 visitor survey, Boulder Falls was open to the public year round, but by 2010 this property was open only during the summer months.

3.0 Results

3.1 Response rate

A total of 2,552 visitors completed the 2010-2011 survey at 90 different access points. Although there were an equal number of survey sessions per season, visitors completed more surveys during the summer and fall seasons (Table 3). In addition to the 90 access points noted above, OSMP held survey administration sessions at another 52 different access points; however no visitors completed surveys at these locations because visitors declined, or there were no visitors at the site during the survey period. The lack of completed surveys at these locations was typically the result of no to very low visitation at the site on the day and time of the survey administration session rather than visitors refusing to participate in the survey. Appendix B provides a list of all access points at which OSMP conducted the 2010-2011 survey along with the number of surveys completed at each of these access points.

Table 3. Number of completed surveys collected at access points with different visitation volumes by season and for the entire (overall) survey period

Access Point Visitation Volume	Summer 2010	Fall 2011	Winter 2010-2011	Spring 2011	Overall 2010-2011
High	400	583	291	386	1,660
Medium	307	128	99	114	648
Low	91	41	26	43	201
Very Low	13	22	1	7	43
Total	811	774	417	550	2,552

While the survey protocol called for the survey administrator to ask every exiting visitor over the age of 15 to complete a survey, this is not always possible. Of the visitors who were asked to complete the survey, 73% agreed to do so. Runners *without* dogs had a slightly (i.e., less than ten percentage points) lower response rate and therefore might be underrepresented (slightly) in the survey. In addition to tracking the number of refusals to complete the survey, the staff member administering the survey attempted to estimate the number of visitors from various visitor groups that passed by the survey administration station before the staff member could ask the visitor to participate in the survey. (Individuals who passed by the survey station are not included in the 73% response rate) A greater proportion of runners and cyclists passed by the survey station compared to hikers and are, therefore, likely underrepresented in the survey. Additionally, a greater proportion of visitors *without* dogs passed by the survey station compared to visitors *with* dogs and, therefore, visitors without dogs are likely underrepresented in the survey.

3.2 Visitor characteristics

A majority of respondents (59%) stated that they lived within the city limits of Boulder (Figure 1). Another 19% of respondents indicated that they lived in Boulder County but outside the city limits. Nine percent of respondents came from the metro Denver area, while 8% came from outside the state.

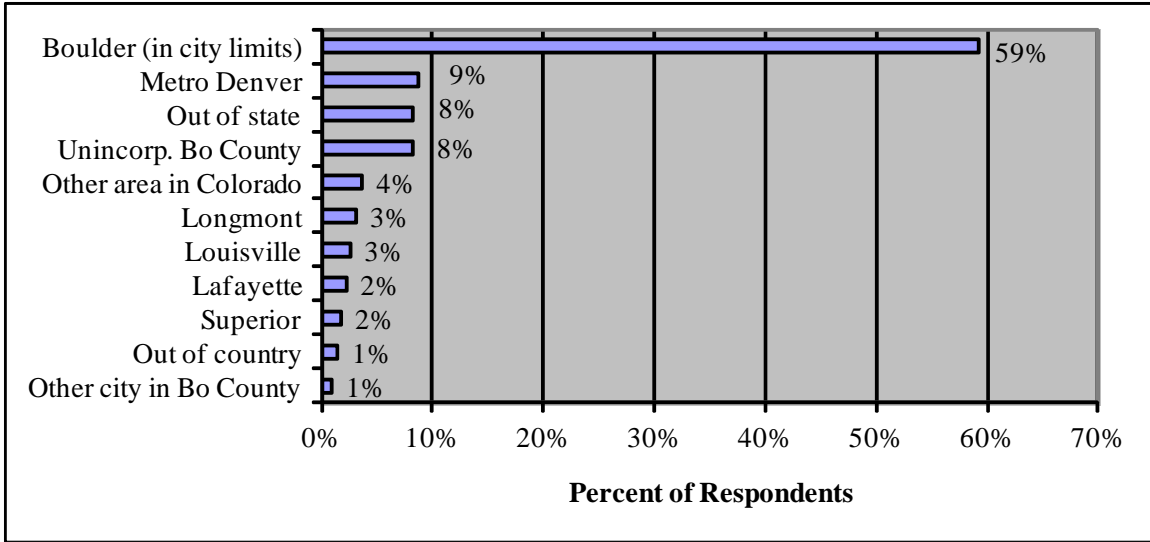


Figure 1. Percentage of respondents by residency (n=2,530)

The residency of visitors varies across the OSMP system (Appendix D). Twenty percent of respondents surveyed at the Chautauqua Trail and 25% of the respondents surveyed at the Flatirons Vista Trailhead live in metro Denver. These percentages are two to three times the system-wide estimate of the proportion of OSMP visitors who reside in metro Denver (9%). Conversely, City of Boulder residents accounted for a greater proportion of respondents at other access points. Eighty three percent of the respondents at the Wonderland Lake Popular Avenue access point reported Boulder as their place of residency; at the South Boulder Creek Recreation Center access point, 78% of respondents stated they were City of Boulder residents.

During the colder months, a larger proportion of visitors are from within the Boulder city limits (Table 4). The estimated proportion of out of state visitors was largest in the summer. The estimated proportion of visitors from specific cities/areas during 2010-2011 study period is strikingly similar the estimations made during 2004-2005 study period (Table 5).



Table 4. Residency by season

Residence	Summer	Fall	Winter	Spring
Boulder (in city limits)	57%	59%	60%	63%
Metro Denver	8%	13%	9%	5%
Unincorporated Boulder County	10%	7%	7%	7%
Out of state	12%	7%	4%	7%
Other area in Colorado	4%	4%	6%	2%
Longmont	3%	2%	4%	5%
Louisville	2%	2%	5%	3%
Lafayette	2%	3%	2%	2%
Superior	2%	2%	2%	2%
Out of country	2%	1%	0%	3%
Other city in Boulder County	1%	1%	2%	0%

$\chi^2 = 108.8$, $p < 0.001$, Cramer's $V = 0.120$

Table 5. Residency - comparison of 2010-2011 results to 2004-2005 results

Residence	2010-2011	2004-2005
Boulder (in city limits)	59%	57%
Metro Denver	9%	8%
Unincorporated Boulder County	8%	10%
Out of state	8%	7%
Other area in Colorado	4%	3%
Longmont	3%	4%
Louisville	3%	4%
Lafayette	2%	4%
Superior	2%	1%
Out of country	1%	2%
Other city in Boulder County	1%	1%

Many OSMP visitors visit regularly (Figure 2). Respondents visit OSMP on average 12 times per month. Nearly two thirds of respondents reported visiting OSMP more than once a week (greater than 4 times per month) (Figure 2). Respondents who report occasional visitation (not more than 4 times per month) made up a smaller portion of the sample in the spring (29%) compared to the fall (41%) (Table 6). A greater proportion of respondents reported visiting less frequently (once a week or less) during the 2010-2011 survey compared to the 2004-2005 survey (Table 7).

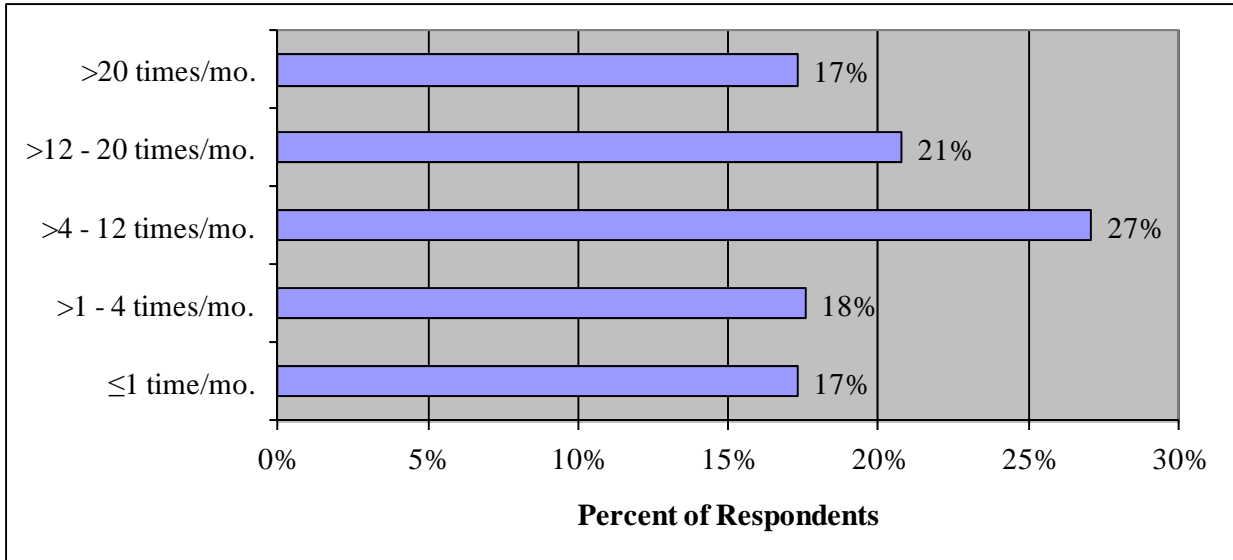


Figure 2. Percentage of respondents by average number of times per month they visit OSMP (n=2,501)

Table 6. Average number of times respondent visits OSMP by season

Times per month	Summer	Fall	Winter	Spring
Fewer than or equal to 1 time per mo.	19%	21%	12%	13%
Greater than 1 time per mo. up to 4 times	16%	20%	20%	16%
Greater than 4 times per mo. up to 12 times	27%	26%	27%	29%
Greater than 12 times per mo. up to 20	21%	19%	19%	25%
More than 20 times per mo.	17%	15%	21%	17%
Median	8	6	10	9
Mean	12	11	13	13

$\chi^2 = 37.3$, $p < 0.001$, Cramer's $V = 0.070$

Table 7. Average number of times respondent visits OSMP - comparison of 2010-2011 results to 2004-2005 results

Times per month	2010-2011	2004-2005
Fewer than or equal to 1 time per mo.	17%	10%
Greater than 1 time per mo. up to 4 times	18%	17%
Greater than 4 times per mo. up to 12 times	27%	31%
Greater than 12 times per mo. up to 20	21%	23%
More than 20 times per mo.	17%	19%
Median	8	10
Mean	12	12

On average, respondents have been visiting OSMP for 13.6 years. Sixty five percent of respondents reported visiting OSMP for more than 5 years (Figure 3). In all seasons, those respondents who report being long-time visitors to OSMP (>10 years) comprised the largest

portion of the sample, but the difference was most pronounced in the winter (Table 8). Compared to the 2004-2005 survey results, more respondents in 2010-2011 reported being long-time (>10 years) visitors to OSMP (Table 9). This is also reflected in the average number of years visiting OSMP between the two survey periods (13.6 in 2010-2011 compared to 11 in 2004-2005).

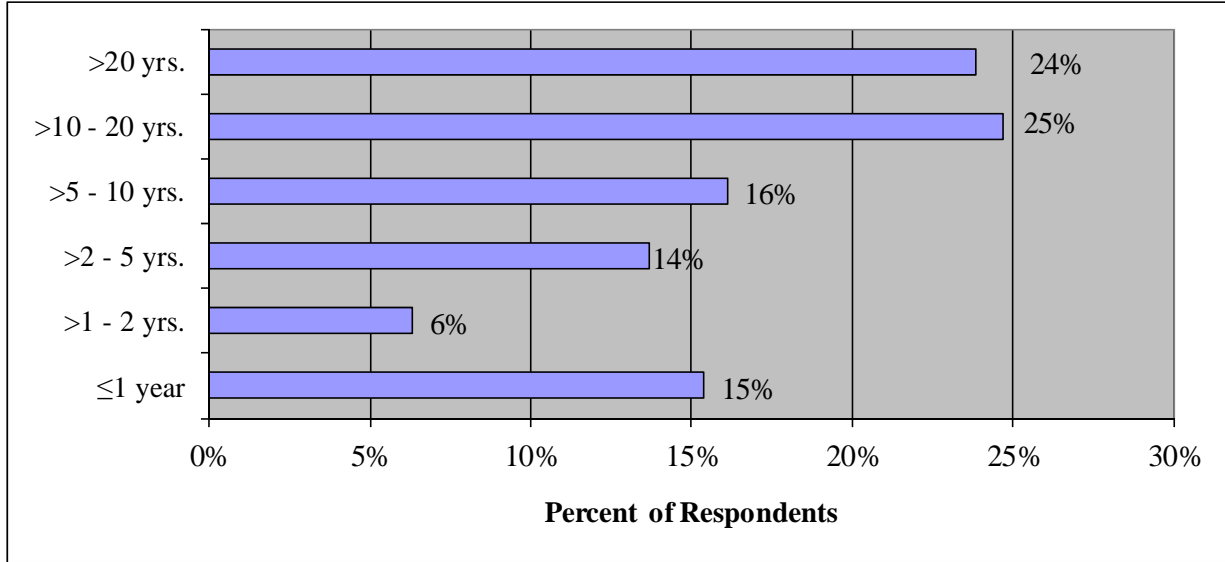


Figure 3. Percentage of respondents by number of years they have been visiting OSMP (n=2,522)

Table 8. Number of years respondents have visited OSMP by season

Years visiting OSMP	Summer	Fall	Winter	Spring
Fewer than or equal to 1	17%	17%	9%	14%
Greater than 1 year up to 2	7%	7%	5%	5%
Greater than 2 years up to 5	13%	12%	12%	17%
Greater than 5 years up to 10	16%	15%	17%	16%
Greater than 10 years up to 20	23%	26%	28%	24%
Greater than 20 years	23%	22%	29%	24%
Median	9.5	10	14	10
Mean	13.0	13.3	15.9	13.6

Table 9. Number of years respondents have visited OSMP - comparison of 2010-2011 results to 2004-2005 results

Years visiting OSMP	2010-2011	2004-2005
Fewer than or equal to 1	15%	21%
Greater than 1 year up to 2	6%	
Greater than 2 years up to 5	14%	20%
Greater than 5 years up to 10	16%	22%
Greater than 10 years up to 20	25%	24%
Greater than 20 years	24%	13%
Median	10	8
Mean	13.6	11

People of all ages visit OSMP; however, only surveys completed by people 16 years old and older were considered valid. The median age of respondents was 42 years old. There was little difference in respondents age by season; however, in general, respondents who participated in the survey during the winter season were slightly older than respondents who participated in the survey during other seasons (median age during winter: 44; median age during other seasons: 41-43) (Table 10). The median age of respondents increased from 39 years in 2004-2005 to 42 years in 2010-2011 (Table 11). This rise in median age of respondent mirrors the increase in proportion of long-time visitors to OSMP (>10 years) in 2010-2011 compared to 2004-2005 (Table 9). Of the visitor characteristics evaluated by the survey, these two characteristics were the most tightly correlated (R=0.53).

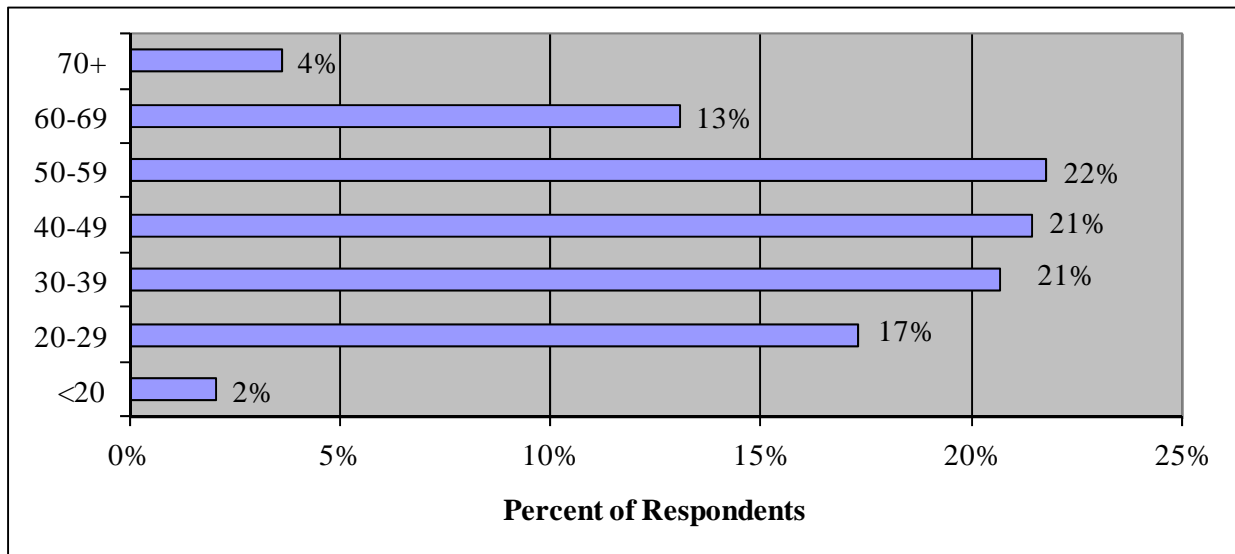


Figure 4. Percentage of respondents by age (n=2,455)

Table 10. Visitor age in 10 year categories by season

Age	Summer	Fall	Winter	Spring
<20	3%	1%	1%	2%
20-29	15%	20%	11%	23%
30-39	19%	22%	28%	17%
40-49	21%	23%	20%	22%
50-59	23%	20%	24%	20%
60-69	16%	11%	13%	11%
70+	2%	4%	4%	6%
Median	43	42	44	41
Mean	44.7	43.2	45.0	43.6

$\chi^2 = 68.3$, $p < 0.001$, Cramer's V = 0.096

Table 11. Visitor age in 10 year categories - comparison of 2010-2011 results to 2004-2005 results.

Age	2010-2011	2004-2005
<20	2%	3%
20-29	17%	23%
30-39	21%	25%
40-49	21%	23%
50-59	22%	18%
60-69	13%	6%
70+	4%	2%
Median	42	39
Mean	44.0	40

3.3 Trip characteristics

On average, respondents reported spending nearly 1.25 hours on OSMP in a given visit. Most visits (71%) were less than 1.5 hours; however 17% of visitors reported trip lengths exceeding 2 hours (Figure 5). Respondents reported longer visits in the fall and the spring (means of 75 minutes and 81 minutes, respectively) compared to summer and winter visits (Table 12). This may be due to more moderate temperatures. However, the relationship between season and trip duration is weak (Cramer's V=0.083). On average trip length was longer in the 2010-2011 (mean: 72 minutes) compared to 2004-2005 (mean: 59 minutes) (Table 13).

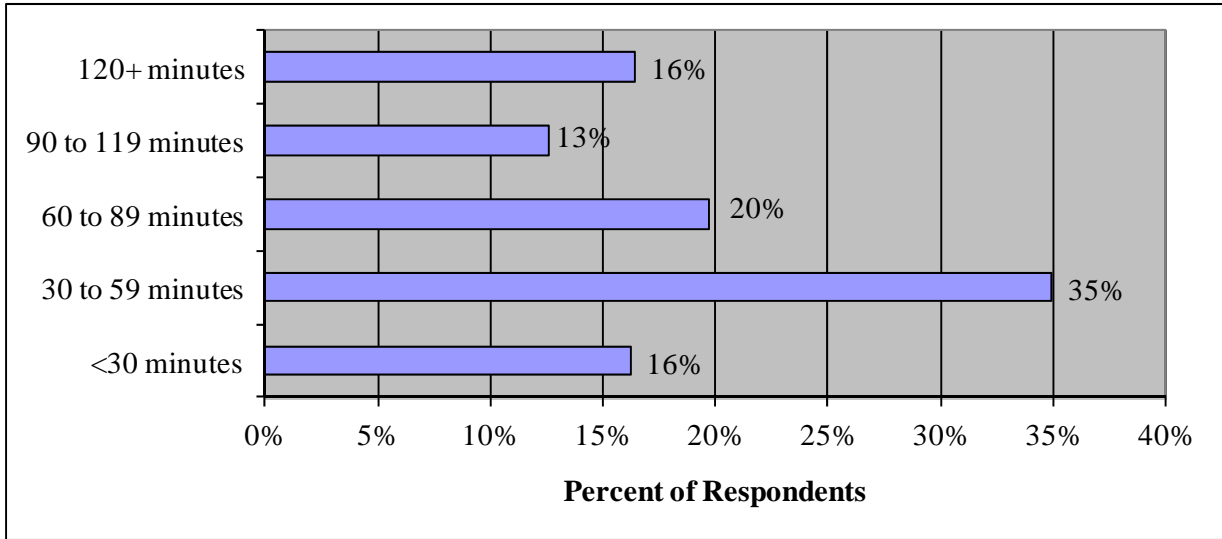


Figure 5. Percentage of respondents by trip duration (n=2,511)

Table 12. Trip duration by season

Trip length in minutes	Summer	Fall	Winter	Spring
<30 minutes	21%	16%	13%	11%
30 to 59 minutes	34%	34%	38%	34%
60 to 89 minutes	17%	19%	24%	23%
90 to 119 minutes	14%	10%	12%	13%
120+ minutes	14%	20%	13%	19%
Median (minutes)	60	60	60	70
Mean (minutes)	67	75	69	81

$\chi^2 = 51.4$, $p < 0.001$, Cramer's $V = 0.083$

Table 13. Trip duration comparison of 2010-2011 results to 2004-2005 results

Trip length in minutes	2010-2011	2004-2005
<30 minutes	16%	22%
30 to 59 minutes	35%	35%
60 to 89 minutes	20%	23%
90 to 119 minutes	13%	10%
120+ minutes	16%	10%
Median (minutes)	60	50
Mean (minutes)	72	59

Respondents most commonly reported arriving at the trailheads via car (Figure 6). Not surprisingly, more respondents reported arriving at the trailheads via car in the winter and spring compared to the summer and fall (Table 14). Approximately three times as many respondents reported arriving at the trailhead via bike in the summer and fall compared to the winter and spring. In general, respondents' mode of transportation to the trailhead during the 2010-2011

survey was very similar to the mode of transportation reported during the 2004-2005 survey (Table 15).

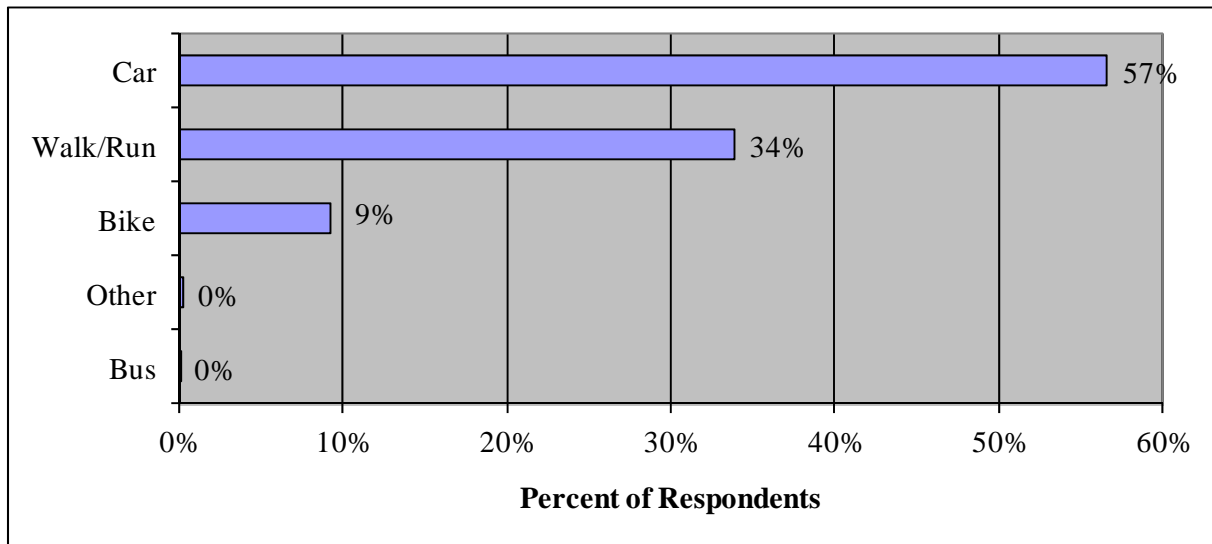


Figure 6. Percentage of respondents by mode of transportation to the trailhead (n=2,524)

Table 14. How respondents got to the trailhead

Mode of transportation	Summer	Fall	Winter	Spring
Car	52%	53%	67%	64%
Walk/Run	38%	33%	30%	32%
Bike	10%	14%	3%	4%
Other	0%	0%	0%	0%
Bus	0%	0%	0%	0%

$\chi^2 = 87.7$, $p < 0.001$, Cramer's $V = 0.108$

Table 15. How respondents got to the trailhead - comparison of 2010-2011 results to 2004-2005 results

Mode of transportation	2010-2011	2004-2005
Car	57%	58%
Walk/Run	34%	32%
Bike	9%	9%
Other	<1%	NA
Bus	<1%	1%

Respondents were most likely to report being alone or having one other person in their group (Figure 7). More respondents reported being a part of larger groups (>3) in the summer and fall compared to the winter and spring (Table 16). Respondents were slightly more likely to report being alone or part of a larger group (>4) during the 2010-2011 survey compared to the respondents in the 2004-2005 survey (Table 17).

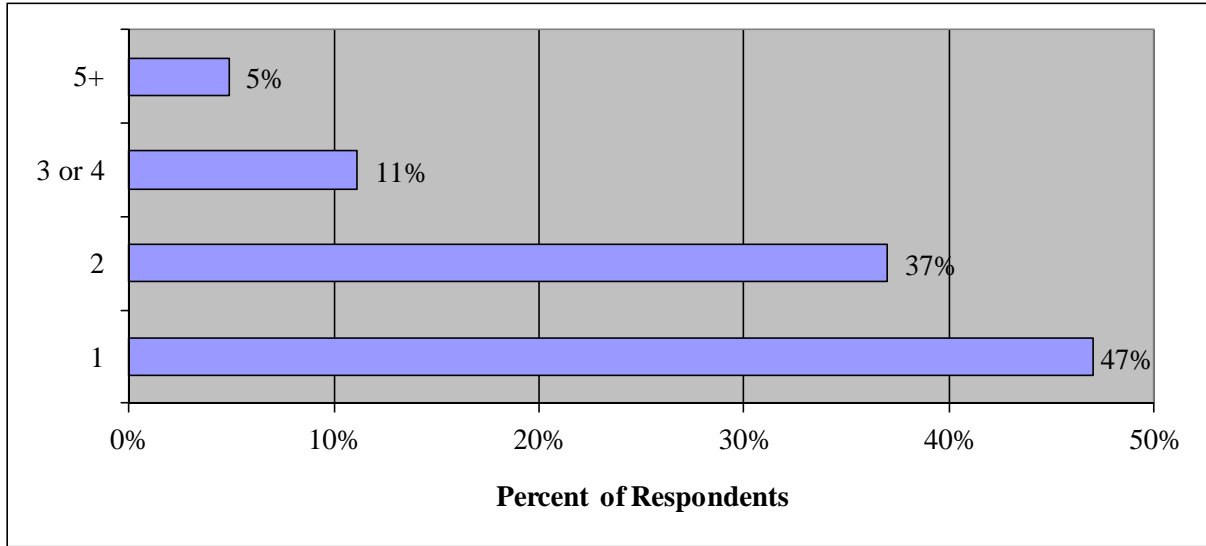


Figure 7. Percentage of respondents by reported number of people in their group (n=2,534)

Table 16. Responses to the question “How many people are in your group?” by season

Response	Summer	Fall	Winter	Spring
1	45%	43%	50%	54%
2	35%	42%	36%	35%
3	10%	7%	10%	4%
4 or 5	6%	5%	3%	3%
6 or 7	2%	3%	1%	1%
8+	3%	0%	1%	2%

$\chi^2 = 63.7, p < 0.001, \text{Cramer's } V = 0.092$

Table 17. Responses to the question “How many people are in your group?” - comparison of 2010-2011 results to 2004-2005 results

Response	2010-2011	2004-2005
1	47%	44%
2	37%	40%
3 or 4	11%	13%
5+	5%	3%

Slightly less than one third of the respondents had at least one dog with them on the day of their visit (Figure 8). Respondents with dogs were most likely to report having only one dog with them. Although the relationship between season and presence of a dog in the visitor party is weak (Cramer’s $V = 0.079$), respondents with dogs comprised a larger proportion of the visitor population in the winter and spring compared to the summer and fall (Table 18). A greater

proportion of respondents had more than one dog with them during their visit in 2004-2005 compared to 2010-2011 (Table 19).

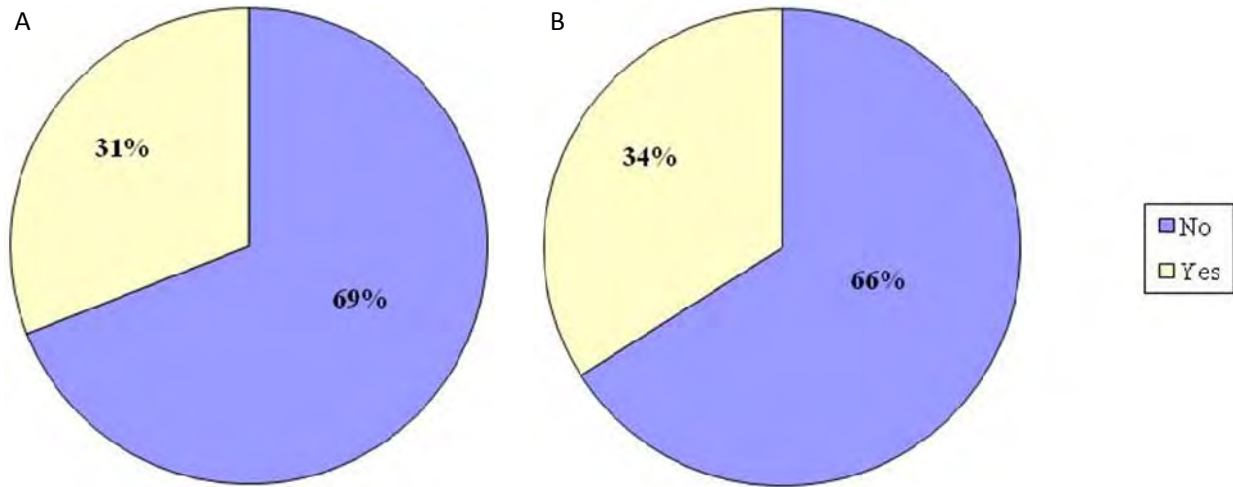


Figure 8. Comparison of percentage of respondents who report having at least one dog with them on their visit during 2010-2011 (A) and 2004-2005 (A)

Table 18. Percentage of respondents dog(s) with them on the day of their visit in 2010-2011 by season

# of dogs	Summer	Fall	Winter	Spring
0	73%	73%	59%	62%
1	20%	22%	33%	28%
2	6%	5%	7%	8%
3+	1%	1%	1%	2%

$\chi^2 = 47.4, p < 0.001, \text{Cramer's } V = 0.079$

Table 19. Percentage of respondents dog(s) with them on the day of their visit - comparison of 2010-2011 results to 2004-2005 results

# of dogs	2010-2011	2004-2005
0	69%	66%
1	24%	22%
2	6%	9%
3+	1%	2%

Most survey respondents indicated that they visited OSMP to “do the activities they enjoy” or “enjoy the place itself” (49% and 42% of respondents, respectively) (Figure 9). The relationship between reason for visiting OSMP and season was very weak (Cramer’s V=0.056). The percentage of respondents stating that they came to OSMP to “do the activities they enjoy”

remained fairly constant throughout the year (Table 20), while more respondents indicated that their primary reason for a visit was to “spend time with family or friends” in the fall (12%) compared to respondents giving that reason in the winter and spring (7% each). Percentages of respondents in each category changed slightly (one or two percentage points) in 2010-2011 compared to the 2004-2005 survey (Table 21).

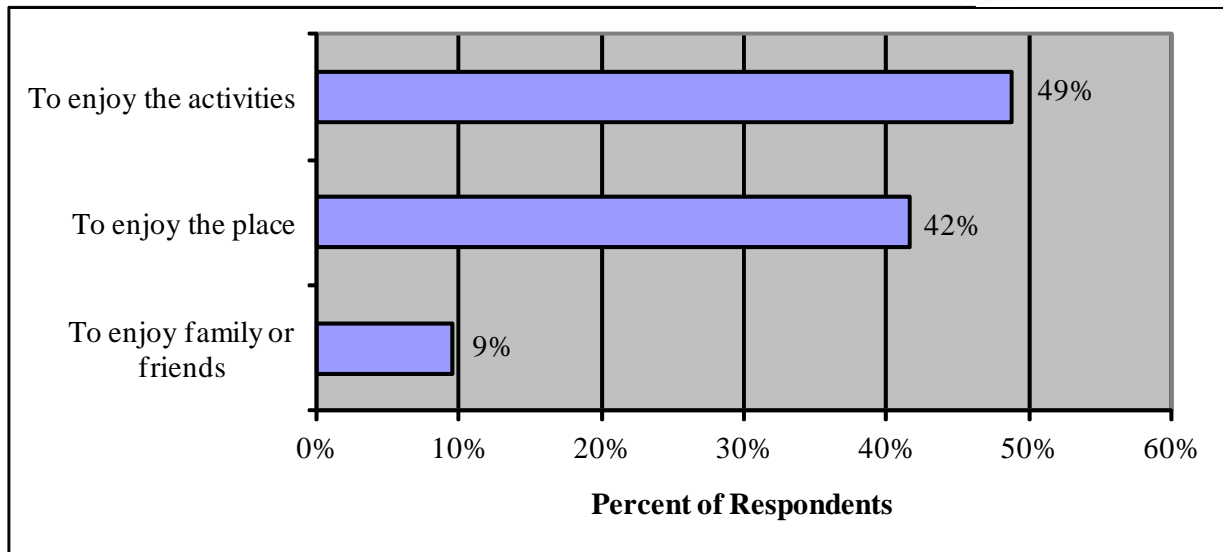


Figure 9. Percentage of respondents by reason for visit (n=2,226)

Table 20. Most important reason for visiting OSMP

Reason	Summer	Fall	Winter	Spring
To do the activities I enjoy	46%	50%	49%	51%
To enjoy the place itself	44%	38%	44%	42%
To spend time with family or friends	10%	12%	7%	7%

$\chi^2 = 14.0$, $p = 0.03$, Cramer's $V = 0.056$

Table 21. Most important reason for visiting OSMP - comparison of 2010-2011 results to 2004-2005 results

Reason	2010-2011	2004-2005
To do the activities I enjoy	49%	48%
To enjoy the place itself	42%	44%
To spend time with family or friends	9%	8%

Approximately two fifths of respondents reported hiking/walking was their primary activity on the day of their visit (Figure 10). One fifth of the respondents stated walking dogs was their primary activity, while another one fifth reported running as their primary activity. Approximately 75% to 85% of respondents stated one of these three activities was their primary activity on the day of their visit regardless of season (Table 22). Although the relationship between the self-reported primary activity on the day of the visit and the season was weak



(Cramer’s V = 0.152), some differences existed. Dog walkers comprised a larger proportion of the visitor population in winter and spring compared to summer and fall. Not surprisingly, a lower proportion of respondents reported biking as their primary activity in the winter and spring compared to the summer and fall. A greater proportion of respondents stated hiking/walking was their primary activity in 2010-2011 compared to 2004-2005 (Table 23).

If they did not feel one of the primary activities list on the survey accurately captured what they believed to be their primary activity during the visit, the survey provided a blank space for respondents to give their own response to this question. Write in responses included birding, fishing, paragliding, and winter sports (sledding, snow shoeing and cross country skiing). Staff classified many of the write in responses as “Other” for the purposes of analysis. Appendix E

presents a complete list of write in responses provided by respondents and how staff classified the response.

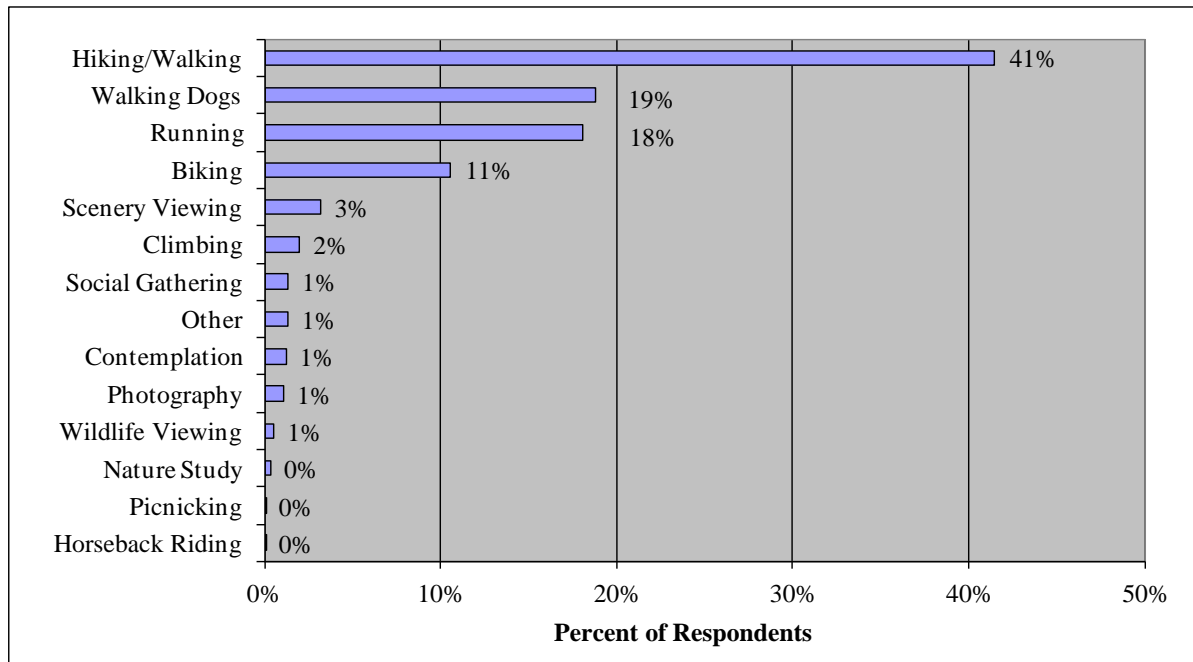


Figure 10. Percentage of respondents by primary activity (n=2,279)

Table 22. Primary activity on the day of visit by season

Primary Activity	Summer	Fall	Winter	Spring
Hiking/Walking	36%	44%	49%	42%
Walking Dogs	17%	15%	24%	23%
Running	23%	15%	13%	18%
Biking	12%	16%	2%	6%
Scenery Viewing	5%	2%	3%	2%
Climbing/Bouldering	2%	3%	1%	2%
Social Gathering	1%	1%	2%	2%
Contemplation/Meditation	1%	1%	2%	2%
Photography	1%	1%	2%	0%
Wildlife Viewing	1%	0%	0%	1%
Nature Study	0%	0%	1%	0%
Picnicking	0%	0%	0%	0%
Horseback Riding	0%	0%	0%	0%
Other	0%	2%	2%	2%

$\chi^2 = 158.4$, $p < 0.001$, Cramer's $V = 0.152$

Table 23. Primary activity on the day of visit - comparison of 2010-2011 results to 2004-2005 results

Primary Activity	2010-2011	2004-2005
Hiking/Walking	41%	34%
Walking Dogs	19%	19%
Running	18%	19%
Biking	11%	9%
Scenery Viewing	3%	5%
Climbing/Bouldering	2%	3%
Social Gathering	1%	2%
Contemplation/Meditation	1%	2%
Photography	1%	1%
Wildlife Viewing	1%	1%
Horseback Riding	<1%	1%
Nature Study	<1%	1%
Picnicking	<1%	<1%
Driving for Pleasure	<1%	<1%
Other	1%	NA

A majority of, but not all, respondents who stated they had at least one dog with them on the day of their visit identified themselves as dog walkers. Sixty one percent of respondents who were accompanied by dogs identified their primary activity as “Walking dogs” (Table 24). However, approximately one quarter of respondents who had a dog with them identified their primary

activity as “Hiking” and nearly one tenth of respondents who had a dog with them identified their primary activity as “Running”.

Table 24. How respondents with dogs identified their primary activity

Self-identified Primary Activity	Percent of respondents
Walking Dogs	61%
Hiking	26%
Running	8%
Scenery Viewing	2%
Contemplation/Meditation	1%
Climbing/Bouldering	1%
Social Gathering	1%
Biking	1%
Horseback Riding	<1%
Other	<1%

In addition to identifying their primary activity, respondents were asked to report all activities in which they participated during their current visit.⁴ “Hiking/walking” and “viewing scenery” were the most commonly reported activities (Figure 11). For over half of the activities identified, there was a statistical difference in the percentages of respondents participating in these activities among the seasons, but most of the relationships between season and a specific activity were weak (Cramer’s V < 0.165) (Table 25). As in 2010-2011, “hiking/walking” and “viewing scenery” were also the top two responses in 2004-2005 (Table 26).



⁴ Based on the survey responses, OSMP believes some respondents misread this survey question, believing it was “What activities *do you do on OSMP?* (PLEASE CHECK ALL THAT APPLY)” rather than “What activities did you do *during this visit?* (PLEASE CHECK ALL THAT APPLY)” (emphasis added). Staff does not know what proportion of respondents misread the question. Regardless, the results presented in Figure 11 and Tables 25 and 26 should be interpreted with caution.

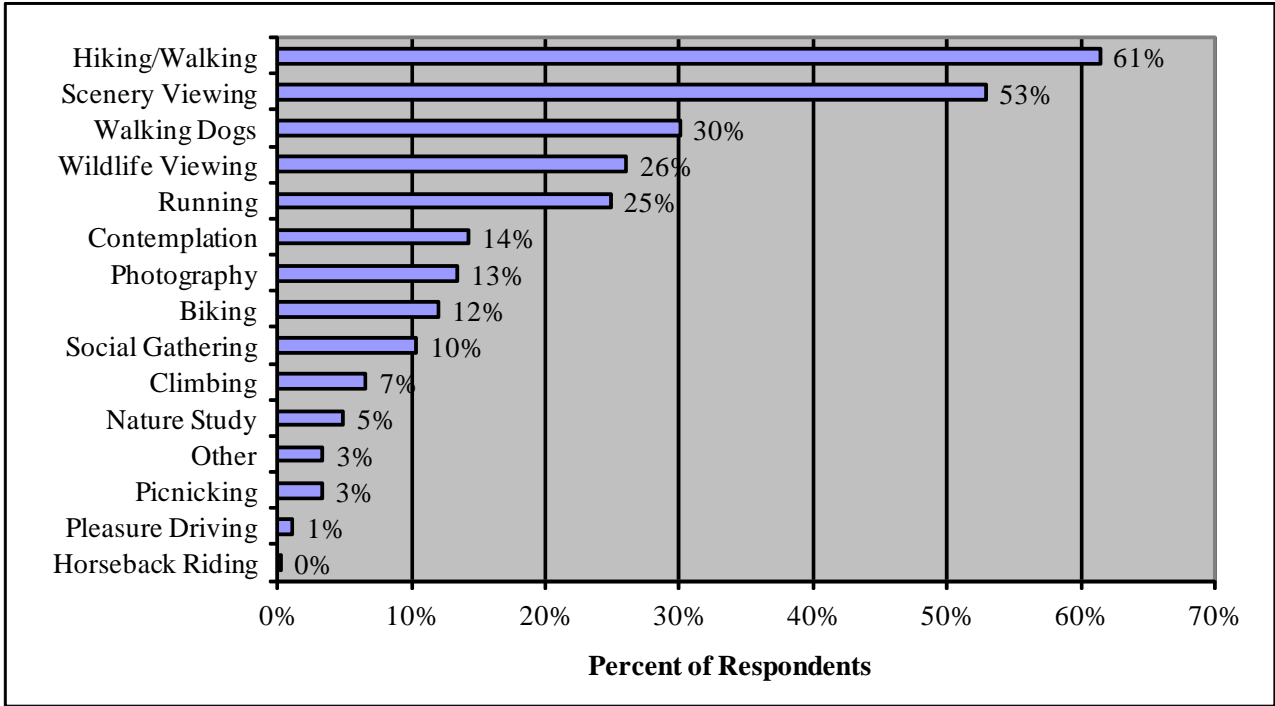


Figure 11. Percentage of respondents by activity in which they participated. Respondents may report more than one activity; therefore percentages do not sum to 100% (n=2,552)



Table 25. Activities in which visitors participated during their visit to OSMP by season

Activity	Summer	Fall	Winter	Spring	χ^2	p-value	Cramer's V
Hiking/Walking	54%	63%	69%	68%	41.3	<0.001	0.127
Scenery Viewing	48%	51%	52%	65%	40.6	<0.001	0.126
Walking Dogs	27%	25%	38%	37%	39.3	<0.001	0.124
Wildlife Viewing	25%	21%	25%	36%	35.8	<0.001	0.118
Running	28%	21%	20%	27%	19.4	<0.001	0.090
Contemplation/Meditation	10%	13%	19%	21%	38.1	<0.001	0.122
Photography	14%	14%	11%	12%	2.7	0.438	0.033
Biking	15%	16%	4%	6%	68.4	<0.001	0.164
Social Gathering	9%	10%	10%	14%	8.4	0.038	0.058
Climbing/Bouldering	7%	7%	4%	7%	5.7	0.125	0.047
Nature Study	5%	3%	4%	8%	15.7	0.001	0.079
Other	3%	4%	3%	5%	4.2	0.239	0.041
Picnicking	4%	3%	2%	3%	3.0	0.385	0.035
Pleasure Driving	2%	1%	0%	1%	6.9	0.074	0.052
Horseback Riding	0%	0%	0%	0%	2.8	0.422	0.033

Table 26. Activities in which visitors participated during their visit to OSMP - comparison of 2010-2011 results to 2004-2005 results

Activity	2010-2011	2004-2005
Hiking/Walking	61%	55%
Scenery Viewing	53%	52%
Walking Dogs	30%	32%
Wildlife Viewing	26%	24%
Running	25%	24%
Contemplation/Meditation	14%	15%
Photography	14%	9%
Biking	12%	13%
Social Gathering	11%	12%
Climbing/Bouldering	7%	7%
Nature Study	5%	7%
Other	3%	NA
Picnicking	3%	3%
Pleasure Driving	1%	4%
Horseback Riding	<1%	1%

Many respondents indicated that the scenery and opportunity to exercise made their visit to OSMP enjoyable (Figure 12). At least half the respondents also indicated that being close to home and the plants/wildflowers added to their enjoyment of their visit. Some respondents

provided their own answers to the question: “What made your trip enjoyable today?” These write-in responses are listed in Appendix F. Many of the responses had to do with the weather or the natural environmental, the presence or absence of dogs, and aesthetic reasons. For some factors there was a relationship between season and the factor, but this relationship was often weak (Cramer’s V <0.25). The strongest associated was observed between season and “plants/wildflowers”, understandably with a greater proportion of respondents reporting that plants/wildflowers contributed to the enjoyment of their visit in the summer and spring compared to the fall and winter (Table 27). The factors that lead to the enjoyment of the respondent’s visit differed little (i.e. all differences were less than 10 percentage points) between survey periods (Table 28).

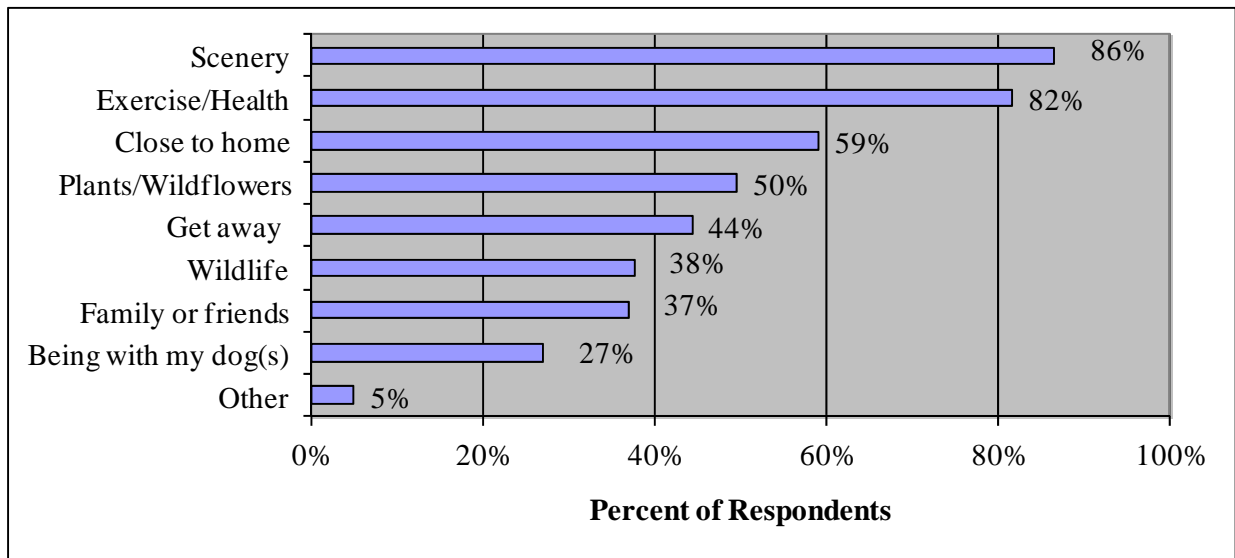


Figure 12. Percentage of respondents reporting which factors contributed to the enjoyment of their visit (n=2,552)

Table 27. Factors contributing to the enjoyment of the visit by season

Factor	Summer	Fall	Winter	Spring	χ^2	p-value	Cramer’s V
Scenery	83%	86%	93%	90%	31.0	<0.001	0.110
Exercise/Health	79%	81%	82%	86%	10.5	0.015	0.064
Close to home	58%	58%	63%	58%	2.9	0.405	0.034
Plants/Wildflowers	62%	39%	31%	55%	145.1	<0.001	0.238
Get away from daily pressures	41%	42%	49%	51%	17.0	0.001	0.082
Wildlife	41%	31%	33%	45%	34.6	<0.001	0.116
Family or friends	36%	40%	35%	36%	4.1	0.252	0.040
Being with my dog(s)	23%	24%	36%	31%	34.2	<0.001	0.116
Other	5%	5%	5%	6%	2.4	0.494	0.031

Table 28. Factors contributing to the enjoyment of the visit - comparison of 2010-2011 results to 2004-2005 results

Factor	2010-2011	2004-2005
Scenery	86%	84%
Exercise/Health	82%	75%
Close to home	59%	54%
Plants/Wildflowers	50%	45%
Get away from daily pressures	44%	50%
Wildlife	38%	35%
Family or friends	37%	37%
Being with my dog(s)	27%	27%
Other	5%	NA

3.5 Rating of services and experiences

Respondents gave the highest grades to “ability to access your destination” and “overall satisfaction with OSMP” (Table 29 and Figure 13). OSMP scored worst on “restroom cleanliness”, “fixing eroded or trampled areas”, and “enforcement of rules”. There was no relationship between season and respondents’ rating for “overall satisfaction with OSMP”, “fixing eroded or trampled areas”, or “enforcement of rules” (Table 30). For all other services, the relationship between the service and season was weak (Cramer’s V <0.1). Appendix G provides tables showing ratings for services by survey location.

Table 29. Ratings assigned to OSMP by respondents for various services

Service	A	B	C	D	F
Ability to access your destination	76%	21%	2%	1%	0%
Overall satisfaction with OSMP	72%	25%	2%	0%	0%
Trail conditions and maintenance	59%	33%	7%	1%	0%
Usefulness of signs and brochures	54%	34%	10%	2%	0%
Trash cans and bag dispensers	50%	32%	14%	4%	1%
Trailhead and nature education	49%	36%	14%	1%	0%
Enforcement of rules	44%	34%	16%	5%	1%
Fixing eroded or trampled areas	42%	41%	14%	3%	1%
Restroom cleanliness	41%	39%	16%	3%	1%

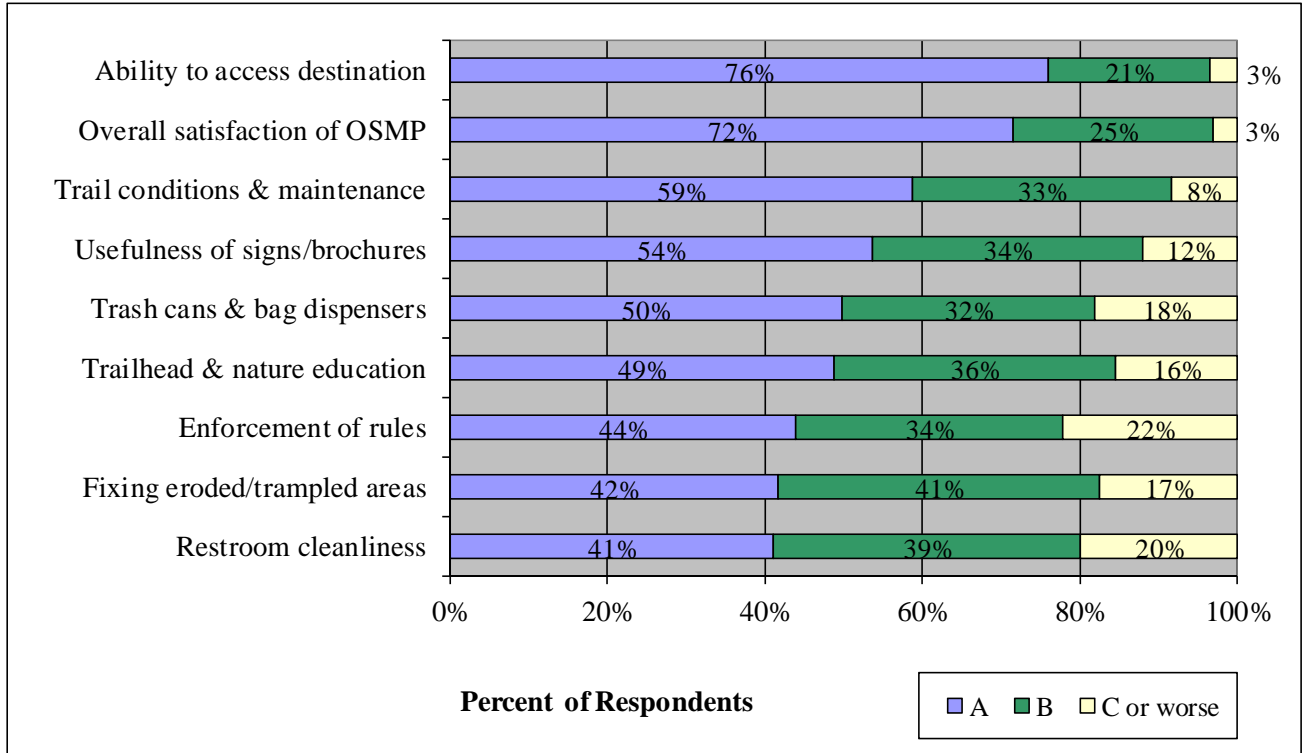


Figure 13. Ratings for various OSMP services

Table 30. Ratings assigned to OSMP by respondents for various services by season.

Service	Grade	Summer	Fall	Winter	Spring	χ^2	p-value	Cramer's V
Ability to access your destination	A	74%	76%	76%	80%	24.6	0.017	0.058
	B	22%	20%	21%	19%			
	C	3%	3%	3%	1%			
	D	1%	1%	0%	0%			
	F	0%	1%	0%	0%			
Overall satisfaction with OSMP	A	70%	70%	75%	74%	17.1	0.147	0.048
	B	27%	26%	22%	25%			
	C	3%	2%	3%	1%			
	D	0%	0%	0%	0%			
	F	0%	1%	0%	0%			
Trail conditions and maintenance	A	58%	58%	58%	61%	25.8	0.011	0.059
	B	34%	31%	34%	34%			
	C	7%	10%	7%	4%			
	D	2%	1%	1%	0%			
	F	1%	0%	0%	0%			

Service	Grade	Summer	Fall	Winter	Spring	χ^2	p-value	Cramer's V
Usefulness of signs and brochures	A	50%	47%	60%	65%	57.9	<0.001	0.092
	B	36%	40%	32%	25%			
	C	12%	10%	6%	9%			
	D	2%	2%	2%	1%			
	F	1%	1%	0%	0%			
Trash cans and bag dispensers	A	50%	44%	52%	55%	37.4	<0.001	0.075
	B	31%	35%	33%	30%			
	C	13%	18%	12%	11%			
	D	5%	2%	2%	3%			
	F	1%	1%	0%	0%			
Trailhead and nature education	A	48%	44%	55%	52%	32.8	0.001	0.073
	B	35%	40%	37%	31%			
	C	16%	15%	7%	16%			
	D	1%	1%	1%	2%			
	F	0%	0%	0%	0%			
Enforcement of rules	A	41%	42%	50%	46%	12.7	0.39	0.048
	B	35%	36%	30%	32%			
	C	18%	15%	13%	17%			
	D	5%	5%	5%	4%			
	F	1%	2%	2%	2%			
Fixing eroded or trampled areas	A	40%	41%	45%	43%	18.4	0.104	0.052
	B	41%	40%	40%	43%			
	C	14%	15%	11%	12%			
	D	4%	2%	4%	2%			
	F	2%	1%	1%	0%			
Restroom cleanliness	A	44%	36%	37%	44%	29.5	0.003	0.091
	B	32%	47%	46%	37%			
	C	18%	14%	12%	16%			
	D	4%	2%	4%	1%			
	F	1%	1%	0%	2%			

In evaluating their experience with specific visitor groups, respondents rated their experiences with hikers and runners higher than their experiences with horseback riders, dogs and dog walkers, and cyclists (Table 31 and Figure 14). There was no relationship between season and respondents' rating of their experience with horseback riders or dogs and dog walkers (p-value=0.627 and 0.408 respectively) (Table 32). However, there was a weak relationship (Cramer's V <0.1) between season and respondents' rating of their experience with hikers, runners, and cyclists. Appendix H provides tables showing ratings for services by survey location.

Table 31. Respondents' experience with different visitors groups

Visitor Group	A	B	C	D	F
Hikers	79%	19%	2%	0%	0%
Runners	71%	24%	4%	1%	0%
Horseback riders	55%	29%	13%	3%	1%
Dogs and dog walkers	54%	28%	12%	4%	2%
Cyclists	48%	31%	14%	4%	3%

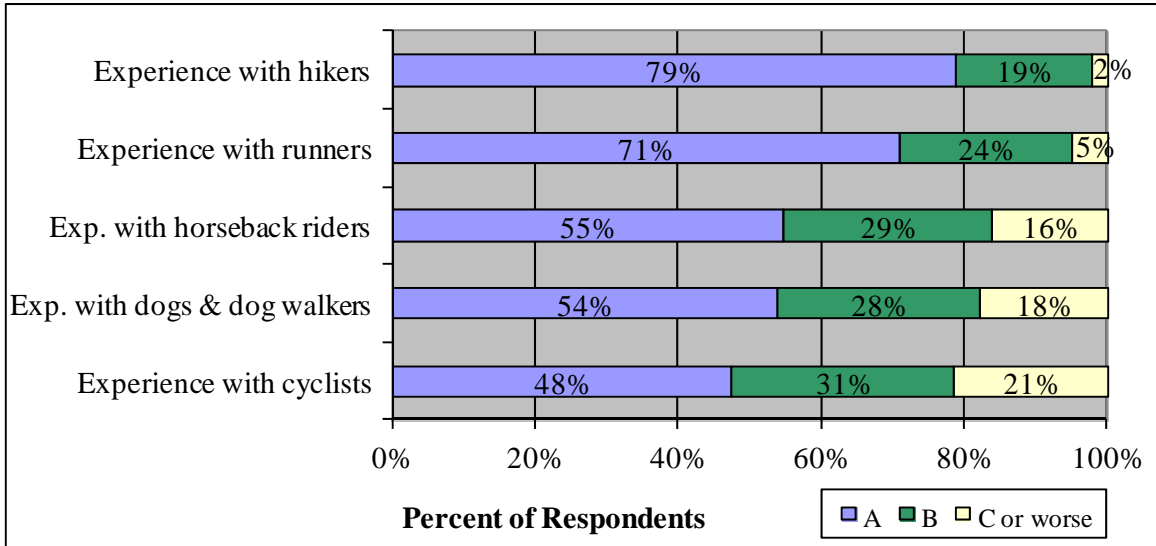


Figure 14. Respondents' experience with different visitor groups

Table 32. Respondents' experience with different visitors groups by season.

Visitor Group	Grade	Summer	Fall	Winter	Spring	χ^2	p-value	Cramer's V
Hikers	A	77%	78%	82%	80%	23.044	0.027	0.056
	B	22%	18%	16%	18%			
	C	1%	3%	2%	2%			
	D	0%	0%	0%	0%			
	F	0%	0%	0%	0%			
Runners	A	69%	73%	75%	70%	25.437	0.013	0.061
	B	27%	22%	19%	25%			
	C	4%	4%	6%	4%			
	D	0%	1%	0%	0%			
	F	0%	0%	0%	0%			

Visitor Group	Grade	Summer	Fall	Winter	Spring	χ^2	p-value	Cramer's V
Horseback riders	A	51%	58%	53%	57%	9.873	0.627	0.057
	B	31%	25%	32%	31%			
	C	13%	14%	13%	9%			
	D	3%	2%	2%	2%			
	F	2%	1%	0%	1%			
Dogs and dog walkers	A	50%	55%	56%	59%	12.478	0.408	0.042
	B	31%	28%	27%	26%			
	C	13%	12%	11%	10%			
	D	4%	4%	5%	3%			
	F	2%	2%	2%	2%			
Cyclists	A	47%	52%	45%	44%	28.979	0.004	0.076
	B	33%	25%	33%	35%			
	C	15%	14%	14%	14%			
	D	4%	6%	3%	3%			
	F	2%	2%	5%	4%			

3.6 Conflict

Seven percent of respondents reported experiencing recreational conflict on the day of their visit and about 40% of respondents reported experiencing recreational conflict in the past 12 months (Figure 15). The percentage of respondents reporting having experienced recreational conflict on the day of their visit in 2010-2011 is higher than the percentage of respondents reporting experiencing conflict on the day of their visit during the 2004-2005 survey (Table 33). It is important to note that the wording of this question on the 2010-2011 survey differed slightly from the wording on the 2004-2005 survey⁵. This difference in wording may account for at least some of the observed increase in percentage of respondents reporting experiencing conflict on the day of their visit between the survey time periods. There was no detectable relationship between having experienced recreational conflict on the day of the visit or in the past 12 months and season of visit ($p=0.265, 0.628$) (Tables 34 and 35).



⁵ On the 2004-2005 Visitor Survey instrument, the question about conflict is: “Did you encounter any conflicts or unpleasant experiences today?”

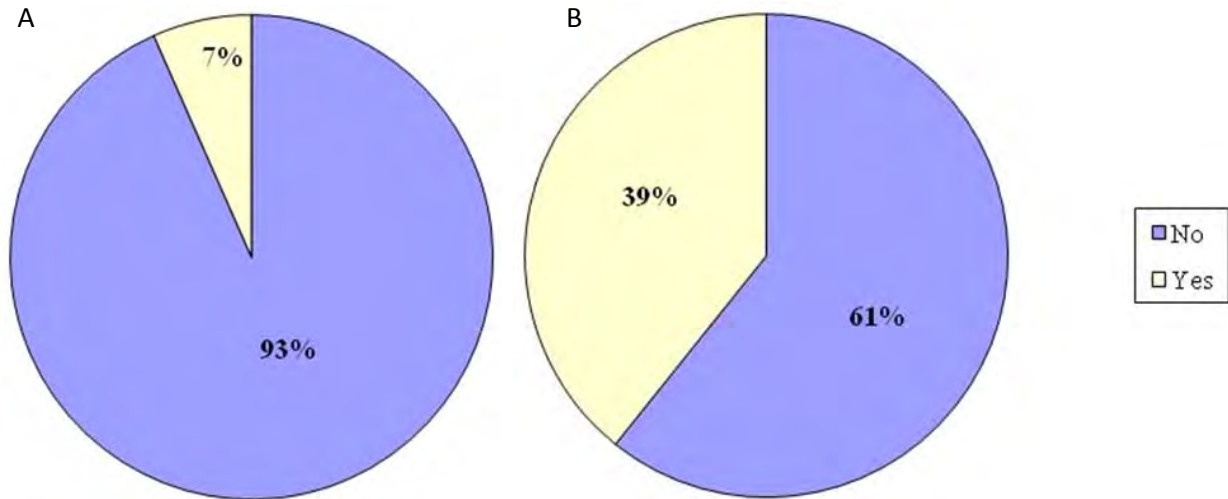


Figure 15. Percentage of respondents who reported experiencing recreational conflict on (A) the day of their visit and (B) in the past 12 months

Table 33. Percentage of visitors who report experiencing recreational conflict *on the day of their visit* - comparison of 2010-2011 results to 2004-2005 results

	2010-2011	2004-2005*
Yes	7%	4%
No	93%	96%

*The conflict question is worded differently in the 2004-2005 survey, which may contribute to the difference in the values shown in this table.

Table 34. Percentage of visitors who report experiencing recreational conflict on the day of their visit by season

	Summer	Fall	Winter	Spring
Yes	7%	8%	6%	5%
No	93%	92%	94%	95%

$\chi^2 = 4.0$, $p = 0.265$, Cramer's V = 0.040

Table 35. Percentage of visitors who report experiencing recreational conflict in the past 12 months

	Summer	Fall	Winter	Spring	2010-2011
Yes	41%	38%	37%	39%	39%
No	59%	62%	63%	61%	61%

$\chi^2 = 1.7$, $p = 0.628$, Cramer's V = 0.030

The rate of conflict reported by OSMP visitors is similar to the rate of conflict reported by visitors to other Front Range open space jurisdictions. Because Boulder County Parks and Open Space (POS) and Jefferson County Open Space ask visitors to the properties they manage about conflict using language similar to OSMP’s conflict question (see sidebar), it may be most useful to compare the rate of conflict reported by OSMP visitors to the rate of conflict reported by visitors to Boulder County POS and Jefferson County Open Space. In 2010, 7% of respondents system-wide indicated that they experienced conflict on Boulder County POS on the day of their visit (Bowie 2010). Jefferson County surveys are not designed to provide a conflict rate for the entire open space system, but rather to estimate a conflict rate for a specific property. Based on survey data collected in 2005, visitors to Jefferson County Open Space reported conflict rates for the day of a visit ranging from approximately 2% to approximately 13% depending upon the property (Table 36; Jefferson County Open Space Division 2006). OSMP’s overall conflict rate for the day of the visit of 7% falls in the middle of this range.

Table 36. Visitor reported rates of conflict at specific Jefferson County Open Space properties

Jefferson County Open Space Property	Approx. rate of conflict on the day of the visit
Alderfer/Three Sisters	7.5%
Apex	12%
Crown Hill	12%
Deer Creek Canyon	7.5%
Elk Meadow	13%
Lair o’ the Bear	7%
Matthews/Winters	10%
Meyer Ranch	5.5%
Mount Falcon	8%
Mount Galbraith	5%
Pine Valley Ranch	7.5%
Reynolds	2%
South Valley	4%
Van Bibber	6%
White Ranch	10.5%
Windy Saddle	6%

How agencies ask visitors about conflict

OSMP’s 2010-2011 visitor survey
“Sometimes the behavior of others can interfere with your visit to OSMP.

Examples include failure to share trails, not picking up after dog, approaching without warning or shouting loudly. These types of situations are often referred to as recreation conflict. Did you experience recreation conflict today? Last 12 months?”

Boulder County’s 2010 visitor survey
“Sometimes, visitors interfere with one another’s goals on the trail, causing unpleasant experiences. This is generally referred to as “conflict.” Did you experience conflict at this park TODAY? (Check one)”

Jefferson County’s 2005 visitor survey
“Sometimes the presence or behavior of others can interfere with your enjoyment. This interference can be the result of discourteous behavior, people not willing to share trails, or by the mere presence of another park visitor. In general, this type of situation is referred to as recreation conflict. Did you experience recreation conflict while using this Jeffco Open Space park today?”

OSMP’s 2010-2011 survey included questions about recreational conflict with specific visitor groups (dog/dog guardians and cyclists). When asked specifically about experiencing recreational conflict with dogs and/or dog guardians, 5% of respondent reported having experienced conflict on the day of their visit and 28% of respondents reported having experienced recreational conflict in the past 12 months (Figure 16). The percentage of respondents reporting having experienced recreational conflict with dogs and/or dog guardians

did not vary by season (Tables 37 and 38). Respondents who reported experiencing recreational conflict with dogs and/or dog guardians on the day of their visit *and* provided a response to the open ended question “*If yes today, describe*” most commonly described issues related to excrement removal (e.g., failure to pick up excrement, leaving a bag along the trail) as reason for the conflict. Other reasons for conflict were dogs making contact with visitors but not injuring them (e.g. jumping on, licking, tripping, etc.), uncontrolled dogs, lack of compliance with dog regulations (Voice and Sight, leash required, dogs prohibited), dogs attacking or injuring visitors or their dogs, dogs blocking the trail and dog approaching visitors. Some respondents provided sparser responses stating “off-leash dogs” or “off-trail dogs” were the reason for conflict. Appendix I provides verbatim responses from respondents who reported experiencing recreational conflict with dogs or dog guardians.

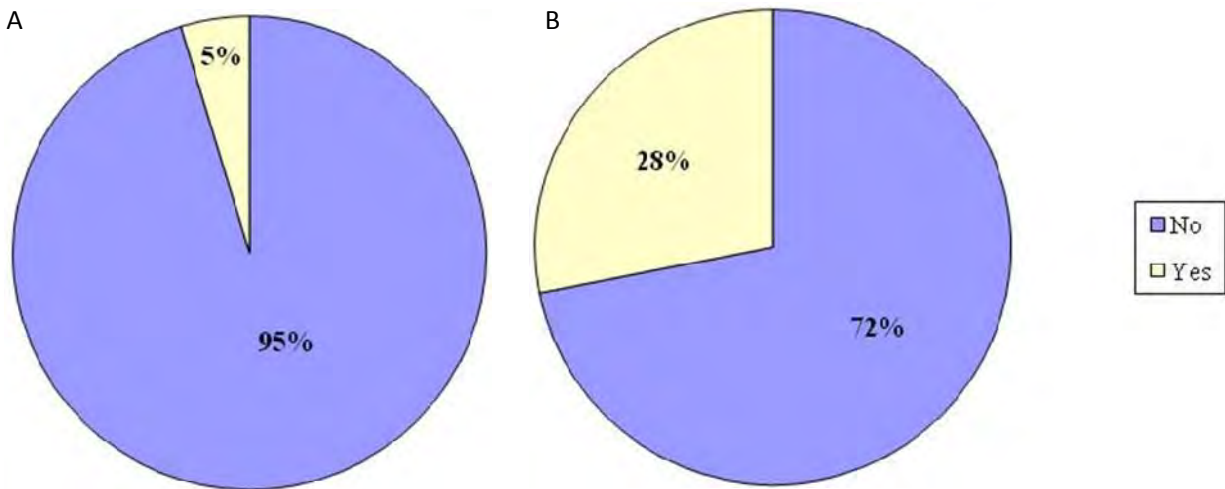


Figure 16. Percentage of respondents who reported experiencing recreational conflict specifically with dogs/dog guardians (A) on the day of their visit and (B) in the past 12 months

Table 37. Percentage of visitors who report experiencing recreational conflict *specifically with dogs and/or dog walkers* on the *day of their visit*

	Summer	Fall	Winter	Spring	Overall
Yes	5%	6%	4%	3%	5%
No	95%	94%	96%	97%	95%

$\chi^2 = 3.1, p = 0.375, \text{Cramer's } V = 0.037$

Table 38. Percentage of visitors who report experiencing recreational conflict *specifically with dogs and/or dog walkers* in the *past 12 months*

	Summer	Fall	Winter	Spring	Overall
Yes	30%	25%	29%	28%	28%
No	70%	75%	71%	72%	72%

$\chi^2 = 3.2, p = 0.368, \text{Cramer's } V = 0.043$

Two percent of respondents reported having recreational experienced conflict specifically with mountain bikes on the day of their visit and 17% of respondents reported having experienced recreational conflict specifically with mountain bikes in the past 12 months (Figure 17). As with other questions about recreational conflict, the percentage of respondents reporting having experienced recreational conflict with mountain bikes did not vary by season (Tables 39 and 40). Respondents who reported experiencing recreational conflict with mountain bikes on the day of their visit *and* provided a response to the open ended question “*If yes today, describe*” typically indicated that lack of warning, lack of yielding, and speed and the attitude of the cyclists as reasons for the conflict. Appendix J provides verbatim responses from respondents who reported experiencing recreational conflict with mountain bikes.

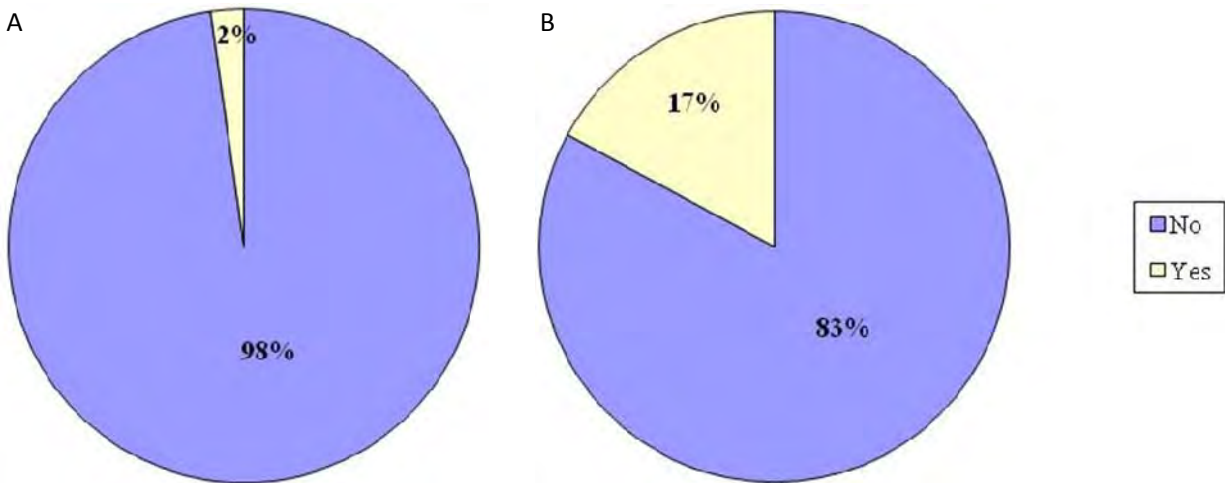


Figure 17. Percentage of respondents who reported experiencing recreational conflict specifically with mountain bikes (A) on the day of their visit and (B) in the past 12 months

Table 39. Percentage of visitors who report experiencing recreational conflict *specifically with mountain bikes* on the *day of their visit*

	Summer	Fall	Winter	Spring	Overall
Yes	2%	3%	2%	2%	2%
No	98%	97%	98%	98%	98%

$\chi^2 = 1.2$, $p = 0.759$, Cramer’s V = 0.023

Table 40. Percentage of visitors who report experiencing recreational conflict *specifically with mountain bikes* in the *past 12 months*

	Summer	Fall	Winter	Spring	Overall
Yes	16%	16%	18%	19%	17%
No	84%	84%	82%	81%	83%

$\chi^2 = 1.4$, $p = 0.708$, Cramer’s V = 0.029

Understanding why conflict occurs is an important predecessor to implementing effective management strategies aimed at reducing conflict. While the survey was not designed to identify the *cause* of conflict, we used bi-variate analyses (Appendix K) and logistic regression



to evaluate whether there was a *relationship* between any of the visitor or trip characteristics and whether the respondent reported experiencing conflict.

Based on the 2010-2011 survey data, we found no relationship between

- belonging to a specific activity group (Table [K23](#))
 - place of residency (Table [K49](#))
 - frequency with which the respondent visits OSMP per month (Table [K105](#))
 - reason for the visit (Table [K133](#))
 - season of visit (Table 30)
 - type of day (i.e., weekday vs. weekend) (Table [K219](#))
 - length of visit (logistic regression p-value=0.794)
- and whether the respondent reported having experienced conflict *on the day of their visit*⁶.

In contrast, we found a statistically significant relationship between:

- volume of visitation at the access point from which the visitor exited
- age⁷

and whether the respondent reported having experienced conflict *on the day of their visit*.

Because the volume of visitation at the access point from which the visitor exited and age are not independent of one another, we examined the relationship between access point volume and conflict on the day of the visit *controlling for the respondent's age*. After controlling for age, the relationship between volume of visitation at the access point from which the visitor exited and reports of experiencing conflict on the day of the visit disappears for the youngest (less than 40 years old) and oldest (60 years old or older). The odds of a respondent in the middle age groups (40-59 years old) reporting conflict on the day of their visit were two to five times higher if the respondent exited from a High volume access point rather than a Medium, Low, or Very Low access point.

⁶ The bivariate analyses were chi-squared tests of independence. Lack of independence does not imply causation. Logistic regression also only evaluates a trend relationship, if any, between two variables and does not imply causation between variables. For example, exiting from a High volume access point does not *cause* the respondent to have experienced conflict, but the odds of reporting having experienced conflict are higher if the respondent exited from a High volume access point.

⁷ We also found statistically significant relationship between age and number of years visiting OSMP. These variables are fairly well correlated (R=0.533). Consequently, we limited the analyses in which we explore the relationship between conflict and volume of visitation to controlling only for age. We would expect that if the analysis was repeated controlling for years of visitation, we would see similar results.

There may be other visitor/trip characteristics that OSMP did not measure as part of this visitor survey that influence a visitor's odds of experiencing conflict during their visit. Because we did not measure these other characteristics, we cannot control for them in our analysis of conflict. This leaves the analysis presented here open to possibly misleading or unqualified interpretations of the data (i.e. Simpson's paradox⁸). As such the conflict analysis presented here should be viewed with some caution.



Most respondents (91-93%) who answered the question regarding recreational conflict on the day of the visit also answered the questions regarding whether they experienced recreational conflict specifically with dogs/dog guardians and/or cyclists on the day of their visit. Results of the bi-variate and logistic regression analyses found similar results as those reported above for general experiences of conflict. Specifically, we found no relationship between

- belonging to a specific activity group (Tables [K23](#) and [K25](#))
- place of residency (Tables [K51](#) and [K53](#))
- frequency with which the respondent visits OSMP per month (Tables [K107](#) and [K109](#))
- season of visit (Tables 33 and 35)
- length of visit (logistic regression p-value=0.096, dogs/dog guardians, and p-value=0.2099, cyclists)

and whether the respondent reported having experienced conflict *specifically with dogs/dog guardians or cyclists on the day of their visit.*



The analyses indicated there was a relationship between

- type of day (i.e., weekday vs. weekend day) (Table [K221](#))
- volume of visitation at the access point from which the visitor exited (Table [K192](#))
- age

and whether the respondent reported having experienced conflict *specifically with dogs/dog guardians* on the day of their visit.

Because type of day, volume of visitation,

⁸ Simpson's paradox occurs when a relationship between two variables (conflict and access point visitation volume, for example) that is influenced by the variables' relationship to a third variable (age, for example) (personal communication, Dr. Phillip Chapman). An example of Simpson's paradox is the apparent sex discrimination case at the University of California Berkeley in which it appeared the school was admitting women at a lower rate than men. This relationship however disappeared for most departments in the university when admission was controlled for by department.

and age are not independent of one another, we repeated some of the analyses controlling for these various factors. When controlling the analysis of conflict by volume of visitation of the access point, we found that at **High and Medium volume access points** the relationship between type of day and whether the respondent reported having experienced conflict **specifically with dogs/dog guardians** on the day of their visit disappears. However, at a **Low or Very Low volume access point**, the odds of a respondent reporting having experienced conflict **specifically with dogs/dog guardians** on the day of their visit was higher if the visit occurred on a weekend rather than a weekday.

Similarly, if we examined the relationship between type of day on conflict **specifically with dogs/dog guardians** on the day of the visit controlling for age, the relationship disappears except for the oldest age group (60 years old and older). In other words, there was no difference in the percentage of respondents less than 60 years old reporting having experienced conflict **specifically with dogs/dog guardians** on weekdays compared to weekend days. For respondents 60 years of age and older, the odds of reporting having experienced conflict **specifically with dogs/dog guardians** were about 2.5 times higher on weekend days compared to weekdays.

Examining the relationship between volume of visitation at the access point from which the visitor exited and conflict **specifically with dogs/dog guardians** on the day of the visit controlling for age, we found the relationship disappears for the respondents aged 50 and older. However, for respondents under age 50, the odds of reporting having experienced conflict **specifically with dogs/dog guardians** on the day of the visit were 2.5 to 5.5 times higher if the respondent exited from a High volume access point rather than a Medium, Low, or Very Low access point.

Preliminary analyses indicated there was a relationship between

- reason for visit (Table [K137](#))
- age

and whether the respondent reported having experienced conflict **specifically with cyclists** on the day of their visit.

While age and reason for visit are not independent of one another, the relationship between respondent's reason for visit and whether the respondent reported experiencing conflict **specifically with cyclists** on the day of the visit holds even if we control for the respondent's age⁹.

Controlling for the respondent's age, the odds of those respondents who indicated that their reason for visiting OSMP was **to enjoy the place itself or spend time with family or friends** having reported conflict specifically with cyclists was 1.8 times the odds those respondents



⁹ The calculated Cochran-Mantel-Haenszel χ^2 statistic evaluating the relationship between respondents reporting conflict specifically with cyclists on the day of the visit and reason for visit while controlling for age is 3.6405 with a p value=0.0564. Note this p-value is slightly greater than p=0.05. As such the 95% confidence limits around the odds ratio include 1; however, the 90% confidence limits around the odds ratio do not include 1.

who indicated their reason for visiting OSMP was *to enjoy the activities they came to do* of having reported conflict specifically with cyclists.

The situation is more complex with respect to reports of having experienced conflict *in the past 12 months*. Many of the visitor and trip characteristics were independent of (i.e. lacked a relationship to) whether a respondent reported having experienced conflict *on the day of their visit*. The reverse is true with respect to having experienced conflict *in the past 12 months*. Regardless of whether the respondent reported having experienced recreational conflict in general or with dogs/dog guardians and/or cyclists specifically, results of the bi-variate and logistic regression analyses showed that there *was* a relationship between

- belonging to a specific activity group (Tables [K22](#), [K24](#), and [K26](#))
- residency (Tables [K50](#), [K52](#), and [K54](#))
- age (logistic regression p-value<0.0001 for all)
- number of years visiting OSMP (logistic regression p-value<0.0001 for all)
- frequency with which the respondent visits OSMP per month (logistic regression p-value<0.0001 for recreational conflict in general and specifically with cyclists, p-value=0.0004 for recreational conflict specifically with dogs/dog guardians)

and whether the respondent reported having experienced conflict *in the past 12 months*. Many of these variables are also related to one another. Some apparent relationships between a visitor or trip characteristics and conflict may disappear or be clarified when controlled for a third related characteristic (i.e. Simpson's paradox). Teasing apart these related variables to determine which visitor and/or trip characteristics influence conflict experienced conflict *in the past 12 months* and which relationships are best explained by a third related variable is beyond the scope of this project and would best be done in a more controlled survey.

3.7 Displacement

Nine percent of survey respondents indicated that they were visiting an OSMP area less often or had stopped visiting the area entirely^{10,11}. The percentage of respondents reporting that they were visiting an OSMP area less often or had stopped visiting the area entirely was statistically significant among seasons, but it was a weak relationship (Table 41; Cramer's V = 0.060). Eighty-three percent of respondents who indicated that they were visiting an OSMP area less often or had stopped visiting the area entirely also provided at least one location in response to the question "*If yes, where?*". The most frequent response was the Sanitas area (Table 42); of those who responded, 21% indicated they visited Sanitas less often or avoided it entirely. Other common responses included Doudy Draw, Marshall Mesa, Chautauqua and Dry Creek.

The reason respondents gave for visiting an OSMP area less often or avoiding it entirely varied by location. Respondents who reported visiting Sanitas less often or avoiding it entirely commonly cited "too many dogs" or poor dog/dog guardian behavior (e.g. not controlling dogs, not picking up excrement, etc.) as their reason. Several respondents also noted crowding (i.e. too

¹⁰ Occasionally, visitors would report having stopped visiting or avoiding entirely a location that is not managed by OSMP. In these situations, the visitors' response to survey question 15 was marked invalid and it is not included in Figure 18 and Table 41.

¹¹ It is important to note that individuals who have stopped visiting OSMP entirely were not surveyed since this was an exit survey of visitors leaving OSMP. Understanding what percentage and the characteristics of those individuals who have been displaced entirely is better evaluated using a telephone or mail survey.

many human visitors) as their reason for visiting Sanitas less often or avoiding it entirely. In contrast, dog restrictions (e.g. leash required, dogs prohibited) were the most common reason respondents gave for visiting Bear Canyon, Green Mountain, and Skunk less often or avoiding any of those areas entirely. At Dowdy Draw and Marshall Mesa, most respondents reported mountain bikes or mountain biker behavior, particularly the speed at which a biker rode, as the reason for visiting Dowdy Draw less often or avoiding it entirely. Appendix L provides a complete list of locations avoided or visited less often along with the verbatim reasons for avoidance or reduction in visitation.



Figure 18. Percentage of respondents who report visiting an OSMP area less often or having stopped visiting the area entirely.

Table 41. Percentage of visitors who report visiting an OSMP area less often or having stopped visiting the area entirely

	Summer	Fall	Winter	Spring	Overall
No	92%	92%	91%	88%	91%
Yes	8%	8%	9%	12%	9%

$\chi^2 = 8.7$, $p = 0.034$, Cramer's $V = 0.060$

Table 42. Areas of OSMP commonly noted by those visitors who indicated that they were visiting an OSMP area less often or had stopped visiting the area entirely. Respondents could provide more than one location for this open ended question.

Location	Frequency of response
Sanitas	21%
Doudy Draw	9%
Marshall Mesa	7%
Chautauqua	5%
Dry Creek	5%
Mesa Trail	4%
Spring Brook Loop	4%

Location	Frequency of response
Boulder Valley Ranch	3%
Bear Canyon	3%
South Boulder Creek	3%
Green Mountain	2%
Skunk Canyon	2%

4.0 Visitor profiles

To better understand OSMF visitors, we examined how specific groups of visitors responded to questions on the survey by comparing responses to the same questions. For example, we compared the responses of individuals who indicated hiking was their primary activity on the day of their visit to the survey question “How did you get to the trailhead?” to the responses of individuals who indicated running was their primary activity on the day of their visit. Similarly, we examined how individuals who live within the Boulder city limits responded to survey questions compared to individuals who live elsewhere. We used the results of these bi-variate analyses to create generalized visitor profiles. In addition to the following discussion, Appendix M contains summaries of these generalized profiles.

4.1 Visitor groups based on activity

We examined four visitor groups based on the respondents’ primary activity and whether they had a dog accompanying them on their visit: hikers without dogs, runners without dogs, cyclists without dogs, and all visitors who reported having a dog with them regardless of their primary activity. The bi-variate analysis of the data comparing the responses of different visitor groups to the survey questions often yielded statistically significant relationships; however, most of the relationships were weak with Cramer’s V statistics less than 0.1 (Tables [K1-K28](#) in Appendix K).

As expected, members of different activity groups exhibit different demographic and trip characteristics. The strongest relationship observed (Cramer’s $V=0.6$) was between membership in a particular activity group and mode of transportation used to reach the trailhead (Table [K2](#)). Most hikers (estimated 70%) drive a car to the trailhead, while most runners (estimated 64%) run or walk to the trailhead and most cyclists (estimated 78%) ride a bike to the trailhead. A majority of dog guardians (estimated 57%) drive a car to the trailhead, but a significant portion (estimated 42%) walk or run to the trailhead.

Differences also exist among activity groups in terms of frequency with which they visit (Table [K5](#)), reason for visiting (Table [K3](#)), and age (Table [K28](#)). Runners and dog guardians visit more frequently than hikers. Over half of the dog guardians reported



visiting at least three times a week or more, while half of the hikers reported visiting once a week or less. Over a quarter of hikers reported visiting once a month or less. A greater proportion of hikers report their reason for visiting OSMP was to enjoy the place itself, while runners and cyclists are more likely to report their reason for visiting OSMP is to enjoy the activities they came to do. Dog guardians are nearly split in their reason for visiting OSMP with an estimated 48% visiting to enjoy their activities and an estimated 45% visiting to enjoy the place itself. An estimated three quarters or more of the runners and cyclists are between 30 and 60 years old, while hikers exhibit a more even distribution of ages with an estimated 25% of hikers are less than 30 years old and an estimated 23% of hikers are 60 years of age or older.

More often than not, members of different activity groups tend to rate OSMP's service delivery similarly. There was no relationship between the type of activity the visitor engaged in and the visitor's rating of restroom cleanliness, usefulness of signs and brochures, fixing of eroded or trampled areas, trail condition and maintenance, and trailhead and nature education. While statistically significant differences were observed among different activity groups and their ratings for the remaining services on the survey (enforcement of rules, ability to access your destination, trash cans and bag dispensers, and overall satisfaction), none of the relationships were very strong (in all cases, Cramer's V was less than 0.1.).



Members of various activity groups rate their experience with other visitors from their own and different activity groups differently; members of one activity group tend to rate their experience with visitors participating in their *own* activity higher than their experience with visitors participating in *other* activities (Tables [K16-K120](#)). The differences are most pronounced in the ratings for the activity group's experience with cyclists. An estimated 70% of cyclists rate their experience with other cyclists as "A" (on a scale of A, B, C, D, F), while an estimated 40-47% of dog guardians, hikers, and runners rate their experience with cyclists as "A". None of the relationships between membership in an activity group and experience with one's own and other activity groups were very strong (in all cases, Cramer's V was less than 0.13.).

Whether a survey respondent reported experiencing conflict on the day of the survey did not depend on their membership in a given activity group (Tables [K21](#), [K23](#), and [K25](#)). Reporting having experienced conflict within the past 12 months depended weakly upon membership in a given activity group (Tables [K22](#), [K24](#),

and [K26](#)). Over half the runners surveyed reported having experienced recreation conflict within the past 12 months. Nearly 40% of runners surveyed reported having experienced recreation conflict specifically with dogs or dog guardians within the past 12 months. More than one in five runners and dog guardians surveyed reported having experienced recreation conflict specifically with cyclists within the past 12 months.

Reporting displacement or reduced use of an OSMP area depended weakly upon membership in a given activity group. Thirteen percent of dog guardians and 9% of runners surveyed reported avoiding or using an area less compared to 7% of cyclists and 6% of hikers (Table [K27](#)).

4.2 Visitor groups based on residency

While *Question 9: Where do you live?* provided respondents with a choice of 11 possible responses, for the purposes of the bi-variate analysis we grouped respondents into six categories based on residency: Boulder (i.e., within city limits), Boulder County (i.e., within the county but outside Boulder city limits), Metro Denver, other area in Colorado, out of state, and out of the country. In addition, staff analyzed the responses of Boulder, Boulder County, and Metro Denver residents alone. As with the bi-variate analysis of different visitor groups based on primary activity, the bi-variate analysis of different visitor groups based on residency often yielded statistically significant relationships; however, many of the relationships were weak with Cramer's V statistics less than 0.1 (Tables K29-K56 in Appendix K).

Visitors from different places of residency exhibit different demographic characteristics. Boulder and Boulder County visitors tend to be slightly older and visit OSMP more frequently than visitors from Metro Denver, other areas in Colorado, and outside of Colorado (Tables K56 and K32). Less than 20% of respondents from Boulder and Boulder County reported being less than 30 years old, while over 30% of respondents from Metro Denver, out of state, and out of the country reported being less than 30 years old. An estimated 83% of Boulder visitors visit OSMP more than once a week, while an estimated 70-93% of visitors from outside Boulder County visit less than once a week.

Visitors from Boulder, Boulder County, and Metro Denver have been visiting OSMP for more years than visitors from outside of these areas (Tables K34). Over 55% of respondents from Boulder and Boulder County report visiting OSMP for more than 10 years compared to over 55% of respondents from out of state and country who report visiting OSMP for one year or less.



Visitors from different places of residency also exhibit statistically significant differences trip characteristics. Boulder residents are most likely to walk or run to the trailhead while visitors from areas outside the city limits are most likely to drive to the trailhead (Table K30). Visitors from Boulder, Boulder County, and Denver Metro are most likely to visit OSMP to enjoy the activities they came to do, while visitors from other areas of Colorado and outside of Colorado are most likely to visit OSMP to enjoy the place itself (Table K31). Visitors from Boulder and Boulder County tend to have shorter visits compared to visitors from Metro Denver, other areas in Colorado, and outside of Colorado (Table K29). Over half of the respondents from Boulder and Boulder County reported visits lasting less than one hour, while 42-64% of respondents from outside Boulder County reported visits lasting 90 minutes or more.



Different visitor groups based on residency tend to rate OSMP's service delivery differently (Tables K35-K43). While these differences were statistically significant, none of the relationships between rating and place of residency were very strong (Cramer's V less than 0.1 in all cases). Because visitors from Boulder, Boulder County, and Denver Metro tend to be the most frequent visitors to OSMP, we repeated the analysis comparing only the ratings for OSMP's service delivery among respondents from these three areas. Results of this second analysis indicated there was no difference in service delivery ratings from members of these three groups except in their rating of "ability to access your destination" and "overall satisfaction with OSMP". Boulder County residents tend to rate their ability to access their destination slightly lower than Boulder and Denver Metro residents, while Boulder residents tend to rate their overall satisfaction with OSMP lower than Boulder County and Denver Metro residents (Tables K40 and K43). While there were statistically significant differences in these ratings, the strength of the relationship between rating and residency was low (Cramer's V less than 0.1).

As with their ratings of OSMP's service delivery, visitors from different places of residency tend to rate their experience with members of various activity groups differently (Tables K44-K48). Again, none of the relationships between rating and place of residency were very strong (Cramer's V less than 0.1 in all cases). More often than not respondents from Boulder, Boulder County, and Denver Metro rated their experience with visitors from different activity groups the same. The only difference observed was with respect to rating of their experience with dogs and dog guardians. Respondents from Denver Metro rated their experience with dogs and dog guardians more positively than respondents from Boulder and Boulder County (Table K48).

Whether a survey respondent reported experiencing conflict on the day of the survey did not depend on their place of residency (Tables K49, K51, and K53). In contrast, reporting having experienced conflict within the past 12 months did depend place of residency (Tables K50, K52,

and K54). Approximately 45% of Boulder and Boulder County respondents reported having experienced recreation conflict within the past 12 months. Approximately one third of Boulder and Boulder County respondents reported having experienced recreation conflict specifically with dogs or dog guardians within the past 12 months. About one in five Boulder respondents reported having experienced recreation conflict specifically with cyclists within the past 12 months.

4.3 Visitor groups based on how long visitor has been visiting OSMP

Statistically significant differences exist among visitor groups who have been visiting OSMP for different lengths of time; however, the relationship between the number of years a visitor has been visiting OSMP and responses to survey questions was generally weak (Cramer's V less than 0.1). The strongest relationship observed was between length of time visiting OSMP and frequency of visits, and length of time visiting OSMP and residency. Visitors who have been visiting OSMP for a longer period (i.e. greater than 10 years) tend to visit more frequently (i.e., more than 3 times a week) (Table K62). Visitors who have been visiting OSMP for a longer period (i.e. greater than 10 years) also tend to live in Boulder or Boulder County (Table K61).

Ratings for OSMP's service delivery depend on how long the visitor has been visiting OSMP (Tables K63-K71). None of the relationships between rating for a specific service and how long the visitor has been visiting OSMP were very strong (Cramer's V less than 0.1 in all cases). In general, those visitors who have been visiting OSMP for five years or more tend to rate OSMP lower (fewer "A" ratings and more "C", "D", or "F" ratings) on most aspects of service delivery than visitors who have been visiting OSMP for five or fewer years. The exception to this pattern is in rating the usefulness of signs and brochures; visitors who have been visiting OSMP for five years or more give more "A" ratings than visitors who have been visiting OSMP for five or fewer years.

With one exception, the ratings of various activity groups depend on how long the visitor has been visiting OSMP (Tables K72-K76). Respondents' rating of their experience with hikers did not depend upon how long the visitor had been visiting OSMP. Visitor groups with a longer history of visiting OSMP tend to rate their experience with cyclists and dogs/dog guardians

lower (fewer "A" ratings and more "C", "D", or "F" ratings) than visitor groups with a shorter history of visiting OSMP (Tables K74 and K76). Visitors who have been visiting OSMP for more than one year up to two years rate their experience with equestrians lower than groups with different histories of visiting OSMP (Table K75).

Whether a visitor reported experiencing recreational conflict in general or specifically with dogs/dog guardians on the day of their visit did not depend on how long the visitor has been visiting



OSMP. In contrast, whether a visitor reported experiencing recreational conflict of any type within the past 12 months did depend on how long the visitor has been visiting OSMP; visitors who have been visiting OSMP for a longer period (i.e. greater than 10 years) are more likely to report having experienced a conflict within the past 12 months compared to visitors who had been visiting OSMP for a shorter period of time.

Avoiding or using an area less often was also related to the number of years a visitor had been visiting OSMP. An estimated 12-15% of visitors who have been visiting OSMP for a longer period (i.e. greater than 10 years) report avoiding or using an area of OSMP less compared to an estimated 2-5% of visitors who have been visiting OSMP for five years or less.

4.4 Visitor groups based frequency of visits to OSMP

Frequent visitors tend to live in Boulder; an estimated 81-82% of the visitors who visit OSMP more than three times per week live in Boulder. Frequent visitors also tend to have a longer history of visiting OSMP. An estimated 60-63% of visitors who visit OSMP more than three times per week have been visiting OSMP for more than ten years compared to an estimated 19% of visitors who visit OSMP one or fewer times per month.

Frequent visitors tend to walk or run to the trailhead rather than drive. An estimated 61% of visitors who visit OSMP five times a week or more walk or run to the trail head compared to an

estimated 14% of visitors who visit OSMP one or fewer times per month. Frequent visitors tend to have shorter visits than infrequent visitors; an estimated 69% of visitors who visit OSMP more than three times per week report trips lasting less than an hour compared to an estimated 31% of visitors who visit OSMP once a month or less. The most frequent visitors (i.e. those who report visiting five times a week or more) are those participating in activities (walking or running) with their dogs.



Ratings for OSMP's service delivery depend on how frequently the visitor visits OSMP (Tables K91-I99). However, none of the relationships between rating for a specific service and how frequently the visitor visits OSMP were very strong (Cramer's V less than 0.1 in all cases). In general, frequent visitors (i.e., those who report visiting three times a week or more) tend to rate OSMP lower (fewer "A" ratings and more "C", "D", or "F" ratings) on most aspects of service delivery than less frequent visitors.

Ratings of visitor experience with hikers and runners did not depend upon how often the visitor visits OSMP. However, there was a relationship between frequency of visitation and the ratings for experience with cyclists, equestrians and dogs/dog guardians. More frequent visitors tend to

tended to rate their experience with cyclists, equestrians and dogs/dog guardians lower (fewer “A” ratings and more “C”, “D”, or “F” ratings) than less frequent visitors.

Whether a visitor reported experiencing conflict on the day for their visit did not depend on the frequency with which the visitor visited OSMP. Frequent visitors were just as likely as infrequent visitors to report experiencing conflict on the day of their visit. When asked about experiencing conflict over the past 12 months, frequent visitors were more likely to report having experienced conflict compared to infrequent visitors. An estimated 43-53% of visitors who visit OSMP at least once a week experienced conflict within the past 12 months.

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Open Space and Mountain Parks Survey

Your feedback on this survey enables city staff to better understand visitor's views and improve service delivery. Your participation is voluntary and your answers are anonymous. **Thank you — your input is appreciated!**

1. What time did you start on a trail today? _____ Start time _____ Current time
2. How did you get to the trailhead? Car Walk/Run Bike Bus Other
3. How many people are in your group? _____
4. Which one of the following was the most important reason for visiting Open Space & Mountain Parks?
 - I came here to enjoy the place itself.
 - I came here because it is a good place to do the activities that I enjoy.
 - I came here because I wanted to spend more time with family or friends.
5. What activities did you do during this visit? (PLEASE CHECK ALL THAT APPLY)
 - Climbing/Bouldering Walking dog(s) Viewing scenery
 - Photography Picnicking Viewing wildlife
 - Social gathering Contemplation/Meditation Horseback riding
 - Hiking Biking Nature study
 - Running Pleasure driving Other _____
6. Please **CIRCLE ONE** activity from **ABOVE** that you consider your **PRIMARY ACTIVITY** today.
7. How many dogs are with you today? 0 1 2 3 4 5+
8. What made your trip enjoyable today? (PLEASE CHECK ALL THAT APPLY)
 - Scenery Close to home Get away from daily pressures
 - Wildlife Family or friends Exercise/Health
 - Plants/Wildflowers Being with my dog(s) Other _____
9. Where do you live?
 - Boulder (within city limits) Longmont Other area in Colorado
 - Louisville Unincorporated Boulder County Out of state
 - Lafayette Other city in Boulder County Out of country
 - Superior Metro Denver
10. Please estimate how many times per month, on average, you have visited Open Space & Mountain Parks during the last 12 months? _____ Times per month
11. How many years have you been coming to Open Space & Mountain Parks?
_____ Number of years

PLEASE FLIP OVER TO SECOND PAGE →

12. Please grade Open Space & Mountain Parks on the following, based on your recent experience.

PLEASE CHECK ONE FOR EACH CATEGORY.	A= Excellent				F= Failing	
	A	B	C	D	F	N/A
Restroom cleanliness						
Usefulness of signs and brochures						
Fixing eroded or trampled areas						
Trail conditions and maintenance						
Enforcement of rules						
Ability to access your destination						
Trailhead and nature education						
Trash cans and bag dispensers						
Overall satisfaction with Open Space & Mountain Parks						

13. Please rate your recent experience with the following visitor activities.

PLEASE CHECK ONE FOR EACH CATEGORY.	A= Excellent				F= Failing	
	A	B	C	D	F	N/A
Experience with runners						
Experience with bikers						
Experience with hikers						
Experience with horseback riders						
Experience with dogs and dog walkers						

14. Sometimes the behavior of others can interfere with your visit to OSMP. Examples include failure to share the trail, not picking up after dog, approaching without warning or shouting loudly. These types of situations are often referred to as recreation conflict.

DID YOU EXPERIENCE:	Today?		Last 12 months?	
	No	Yes	No	Yes
Recreation conflict?				
If yes <i>today</i> , describe:				
Recreation conflict with dog walkers or dogs specifically?				
If yes <i>today</i> , describe:				
Recreation conflict with mountain bikes specifically?				
If yes <i>today</i> , describe:				

15. Are you using a particular Open Space and Mountain Parks area less often or have you even stopped using it entirely? No Yes **If yes**, where? _____
If yes, describe the reason _____

16. How old were you on your last birthday? _____ Years old

PLEASE REFER TO THE MAP

17. Did you enter from this access/trailhead?

Yes

If **No**, where did you enter from? Please write access number _____ (see map)

THANK YOU FOR YOUR TIME!

For office use only:

Location _____, AM, MID-DAY, PM, Date _____ () Interview initials _____ # _____ A

Appendix B. 219 access points included the 2010-2011 Visitor Survey sampling frame, their volume of visitation, whether they were surveyed during the 2010-2011 Visitor Survey, and the number of surveys completed at each access point. Figures B1-B11 show the locations of the 2010-2011 Visitor Survey administration sites.

Number	Location	Volume	Surveyed	# of Surveys
293	68th Whaley Dr	Very Low	Yes	2
172	6th Street Access	Medium	Yes	6
173	Amphitheater Trail	Medium	Yes	7
267	Andrus Mesa	Very Low	Yes	0
202	Artist's Point	Low	Yes	0
279	Aweida - Merle-Smith	Very Low	No	NS
189	Baseline Picnic Area	Low	No	NS
171	Baseline Trail	Medium	Yes	34
209	Bear Peak West Ridge Bison Drive	Very Low	No	NS
92	Beech Pavilion	Very Low	No	NS
146	Big Bluestem Trail	Low	No	NS
169	Bluebell Road	High	Yes	291
117	Bobolink Trailhead	High	Yes	26
97	Boulder Creek Path Cottonwood Grove East	Low	No	NS
95	Boulder Creek Path Cottonwood Grove West	Low	Yes	0
230	Boulder Creek Path Foothills	Low	Yes	0
98	Boulder Creek Path Valmont Industrial Park North	Very Low	Yes	1
99	Boulder Creek Path Valmont Industrial Park South	Very Low	No	NS
274	Boulder/4 Mile Canyon N	Very Low	Yes	0
273	Boulder/4 Mile Canyon S	Very Low	Yes	0
201	Boy Scout Trail	Very Low	Yes	0
213	Buckingham North Privy	Medium	No	NS
214	Buckingham northwest	Medium	No	NS
250	Buckingham Palisade Valley	Very Low	Yes	0
216	Buckingham South	Medium	Yes	1
215	Buckingham Southwest	Medium	Yes	2
258	BVR - Boulder Warehouse	Very Low	No	NS
83	BVR Trailhead North	Low	Yes	5
82	BVR Trailhead South	High	Yes	46
179	Capstan Rock	Very Low	Yes	0
206	Cathedral Trailhead	Very Low	Yes	0
116	Centennial Northeast	Very Low	No	NS
57	Centennial Sanitas Connector	Medium	Yes	9
115	Centennial South	Low	No	NS
56	Centennial Trailhead	Low	No	NS

Number	Location	Volume	Surveyed	# of Surveys
290	Chautauqua - 5 1/2 St	Very Low	Yes	0
283	Chautauqua - 7 1/2 St	Very Low	No	NS
282	Chautauqua - 7th St	Very Low	No	NS
285	Chautauqua - 8 1/2 St	Very Low	No	NS
284	Chautauqua - 8th St	Very Low	Yes	3
281	Chautauqua - W Baseline Trail	Very Low	Yes	5
170	Chautauqua Trail	High	Yes	260
124	Church	Low	No	NS
129	Coalton Trail East	Low	No	NS
130	Coalton Trail West	Very Low	No	NS
234	Colorado Open Lands East	Low	Yes	0
232	Colorado Open Lands North	Low	Yes	3
235	Colorado Open Lands West	Very Low	Yes	0
134	Community Ditch East	Very Low	Yes	11
188	Contact Corner	Low	Yes	4
87	Cottontail East Subdivision	Low	Yes	7
88	Cottontail Trail South	Low	Yes	6
313	Cottonwood Grove	Very Low	No	NS
96	Cottonwood Grove Humane Society	Low	No	NS
90	Cottonwood Trail Independence Rd North	Low	Yes	2
89	Cottonwood Trail Independence Rd South	Medium	Yes	13
91	Cottonwood Trail Jay Rd	Low	Yes	42
80	Degge Trail	Medium	Yes	3
300	Devils Thumb - Blue Stage	Very Low	No	NS
310	Devils Thumb - Stony Hill Rd - riparian	Very Low	Yes	0
309	Devils Thumb - Stony Hill Rd W	Very Low	Yes	0
138	Doudy Draw Trailhead	Medium	Yes	42
113	Dry Creek Trailhead	High	Yes	44
81	Eagle Trail West	Medium	No	NS
86	Eagle Trailhead	Medium	No	NS
253	East Beech - Lake Valley Fairway Dr	Very Low	Yes	0
254	East Beech - Lake Valley Pebble Beach Ln	Very Low	Yes	0
104	East Boulder Trail Valmont	High	Yes	10
100	East Boulder Trail Heatherwood	Medium	Yes	7
105	East Boulder Trail Teller No 5 Pond Access	Low	No	NS
103	East Boulder Trail White Rocks	Medium	Yes	2
245	Eldo Post Office Trail East	Very Low	No	NS
246	Eldo Post Office Trail West	Very Low	Yes	0
143	Eldorado Canyon Trail East	Low	No	NS

Number	Location	Volume	Surveyed	# of Surveys
144	Eldorado Canyon Trail West	Low	No	NS
210	Elephant Buttress	Low	No	NS
167	Enchanted Mesa Trail	Medium	Yes	109
222	First Street Access	Low	Yes	0
197	Flagstaff Amphitheater	Low	Yes	7
198	Flagstaff Amphitheater South	Low	Yes	2
204	Flagstaff Road Access Near Realization	Very Low	Yes	0
175	Flagstaff Trail East	Low	Yes	2
137	Flatirons Vista Trailhead	Medium	Yes	74
76	Foothills Rosewood Av	Low	Yes	2
77	Foothills Trail Dog Park	Medium	Yes	67
72	Foothills Trail Locust Av	Medium	Yes	21
68	Foothills Trail Locust Pl	Low	Yes	2
78	Foothills Trail Near Hogback Trail	Medium	Yes	28
79	Foothills Trail Near US 36	Medium	Yes	14
73	Foothills Trail NoBo Park	Medium	Yes	9
165	Four Pines Entrance	Low	Yes	13
166	Four Pines Upper	Low	Yes	8
74	Fourmile Trailhead	High	Yes	40
243	Fourth Street Undesignated Access View Point Trail	Very Low	Yes	0
140	Fowler East	Low	No	NS
141	Fowler Trail West	Very Low	Yes	0
208	Green Mountain West Ridge Trail	Medium	Yes	13
136	Greenbelt Plateau Trailhead	Medium	Yes	15
133	Greenbelt Plateau Northwest	Very Low	No	NS
154	Greenbriar Undesignated	Very Low	Yes	3
174	Gregory Canyon	Medium	Yes	37
269	Gunbarrel - 79th	Very Low	Yes	2
178	Halfway House	Low	No	NS
229	Hatch	Low	No	NS
240	Heatherwood Cambridge St	Low	Yes	1
239	Heatherwood Kaufman	Very Low	No	NS
268	Heatherwood SE	Very Low	Yes	0
236	Heatherwood Wood Brothers East	Low	Yes	4
237	Heatherwood Wood Brothers West	Low	Yes	0
132	Hogan Brothers Marshall	Very Low	No	NS
126	Hogan Brothers North	Very Low	Yes	0
128	Hogan Brothers South	Very Low	Yes	0
241	Knaus	Low	No	NS

Number	Location	Volume	Surveyed	# of Surveys
164	Kohler Mesa Trail	Low	Yes	0
217	Lefthand Cottonwood	Low	Yes	0
259	Lefthand Creek at Cottonwood Trail	Very Low	No	NS
220	Lefthand Misc	Low	No	NS
219	Lefthand Ponderosa	Low	Yes	0
84	Lefthand Trailhead	Low	Yes	5
221	Lefthand Willow	Low	Yes	0
207	Long Canyon Trail	Very Low	No	NS
266	Lookout Road subdivision	Very Low	No	NS
205	Lost Gulch	Medium	No	NS
156	Lower Bear Canyon Trail	Medium	Yes	3
182	Lower Crown Rock	Medium	Yes	1
356	Marshall Mesa - Coal Seam	High	Yes	52
357	Marshall Mesa - Valley	Low	Yes	0
131	Marshall Mesa Trailhead	Medium	Yes	3
299	Matterhorn	Very Low	Yes	0
224	Mattie Dean	Low	No	NS
168	McClintock Trail	Low	No	NS
60	Mount Sanitas Trail	High	Yes	230
158	NCAR Trail	Medium	Yes	11
304	NCAR N	Very Low	No	NS
303	NCAR S	Very Low	No	NS
308	NOAA spur off Dartmouth	Very Low	Yes	9
307	NOAA W Dartmouth	Very Low	Yes	0
155	North Fork Shanahan	Medium	Yes	16
85	North Rim Trail	Low	Yes	7
75	Old Kiln Trail	Very Low	Yes	0
145	Old Mesa Trail	Low	Yes	0
200	Range View Trail North	Low	Yes	0
193	Range View Trail South	Low	No	NS
191	Ranger Trail	Low	Yes	6
142	Rattlesnake Trail Eldo Park	Very Low	No	NS
223	Red Rocks Pearl Street Access	Very Low	Yes	0
58	Red Rocks Sanitas Connector	Low	Yes	0
127	Richardson	Very Low	No	NS
280	S Boulder Creek Trail - Greenbelt Meadows	Very Low	Yes	0
295	S Boulder Creek Trail - Senda Ricoso	Very Low	Yes	0
271	S Wittemyer - Middle	Very Low	No	NS
270	S Wittemyer - North	Very Low	Yes	0

Number	Location	Volume	Surveyed	# of Surveys
272	S. Wittemyer - South	Very Low	No	NS
125	Sam's Lane	Very Low	No	NS
278	Sanitas - Alpine Ave hillside	Very Low	No	NS
276	Sanitas - Dakota Ridge Hawthorn	Very Low	Yes	0
260	Sanitas - Dakota Ridge Trail lower area	Very Low	No	NS
277	Sanitas - Forest Ave hillside	Very Low	No	NS
275	Sanitas - Pinebrook infomal	Very Low	No	NS
64	Sanitas Hawthorne Trail	Low	Yes	6
65	Sanitas Pinebrook Connector	Low	Yes	1
61	Sanitas Valley Trail	High	Yes	106
N/A	Sanitas Valley View Trail	Medium	No	NS
244	Sanitas Wittemyer	Very Low	No	NS
108	Sawhill Entrance North	Low	No	NS
107	Sawhill Entrance West	Medium	Yes	4
109	Sawhill Walden East	Low	Yes	8
110	Sawhill Walden West	Very Low	Yes	0
286	Settler's - 1st	Very Low	No	NS
55	Settlers Trailhead East	Low	Yes	2
54	Settlers Trailhead West	High	Yes	81
311	Shanahan - Lehigh ped gate	Very Low	No	NS
292	Shanahan McStain	Very Low	No	NS
153	Shananhan Greenbriar Galena	Low	Yes	24
242	Silver Saddle Undesignated Access	Low	Yes	0
162	Skunk Canyon Trail	Low	Yes	13
159	Skunk Canyon Trail Table Mesa	Medium	Yes	38
263	Sombrero SE	Very Low	Yes	1
111	Sombrero South	Low	Yes	0
264	Sombrero SW	Very Low	Yes	5
112	Sombrero West	Very Low	No	NS
118	South Boulder Creek Community Center	High	Yes	99
122	South Boulder Creek Foothills Campus	Very Low	Yes	0
123	South Boulder Creek Marshall	High	Yes	85
120	South Boulder Creek SBR Underpass South	Low	No	NS
147	South Boulder Creek Trail Broadway	Medium	Yes	26
121	South Boulder Creek Van Vleet	Low	Yes	8
152	South Fork Shanahan Trail	Medium	No	NS
139	South Mesa Trailhead	High	Yes	78
225	Steinbach Continental View	Low	Yes	2
227	Steinbach Fairview	Very Low	Yes	0

Number	Location	Volume	Surveyed	# of Surveys
226	Steinbach Niland	Low	Yes	1
228	Steinbach Ponderosa	Low	No	NS
291	Steinbach Reservoir	Very Low	No	NS
306	Table Mesa - Deer Valley	Very Low	No	NS
262	Teller - Willow Glenn	Very Low	No	NS
106	Teller Farm South Trailhead	Medium	Yes	11
106	Teller Farm South Trailhead	Very Low	No	NS
192	Tenderfoot Trail	Low	No	NS
203	Top Shop	Very Low	No	NS
184	Upper Crown Rock	Medium	Yes	15
183	Upper Crown Rock Road Pulloff	Medium	No	NS
194	Ute Trail	Low	Yes	2
177	View Point Trail North	Low	Yes	4
176	View Point Trail South	Low	Yes	2
289	Viewpoint below overlook above 6th	Very Low	No	NS
287	Viewpoint Marshall St	Very Low	No	NS
288	Viewpoint W College	Very Low	Yes	0
252	West Beech - Neva Rd	Very Low	No	NS
251	West Beech - Old Stage Rd	Very Low	No	NS
294	Wildflower Ranch	Very Low	Yes	0
261	Wonderland - 9th Street	Very Low	Yes	0
255	Wonderland - Pine Needle Notch	Very Low	Yes	0
256	Wonderland - Poplar pocket park	Very Low	Yes	1
71	Wonderland Lake Trailhead	Medium	Yes	7
67	Wonderland Spring Valley Rd	Very Low	No	NS
66	Wonderland Trail Poplar Ave	High	Yes	95
69	Wonderland Trail Utica West	Medium	No	NS
70	Wonderland Utica East	High	Yes	117
	Total			2,552

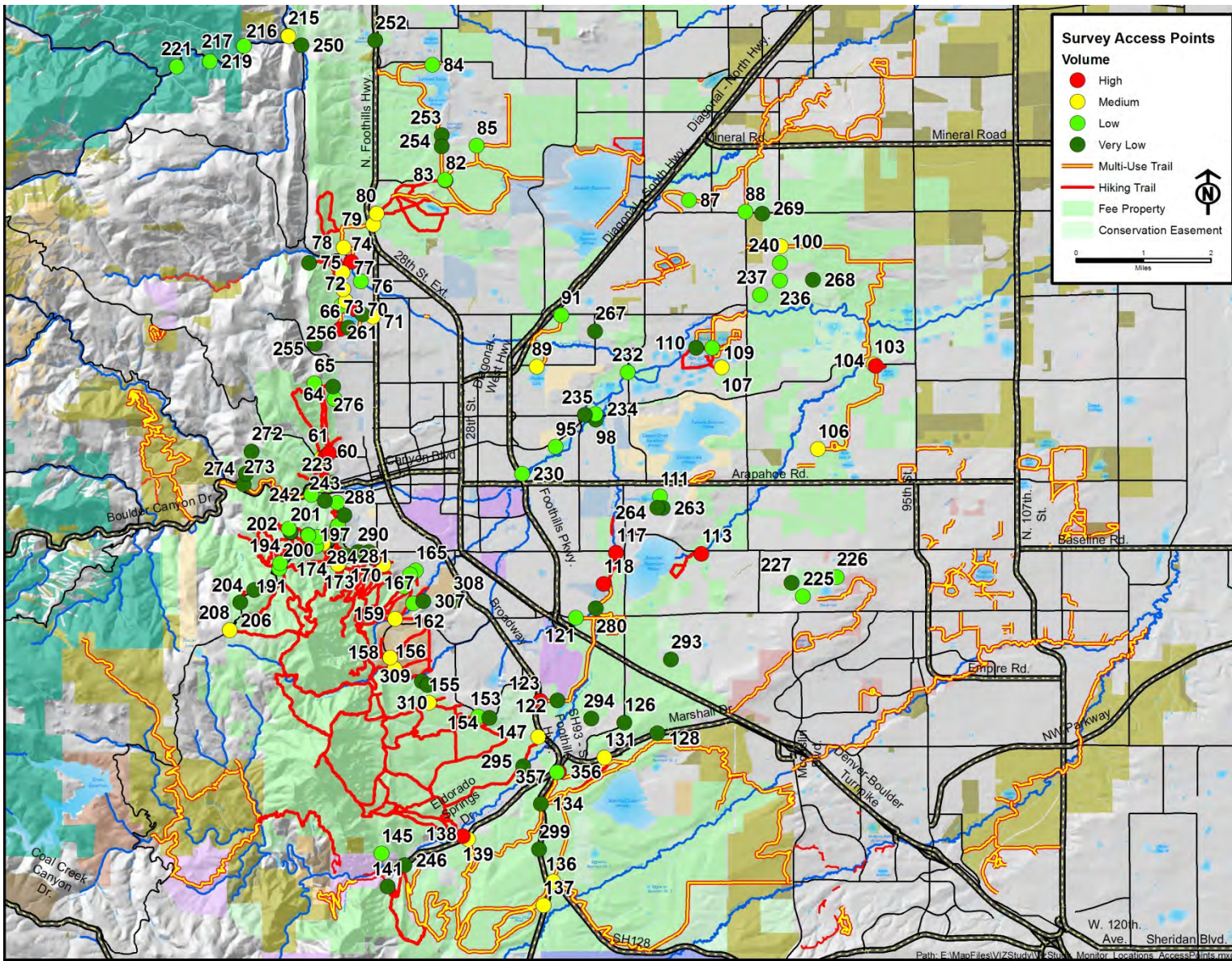


Figure B1. Location of 2010-2011 visitor survey administration sites (overview).

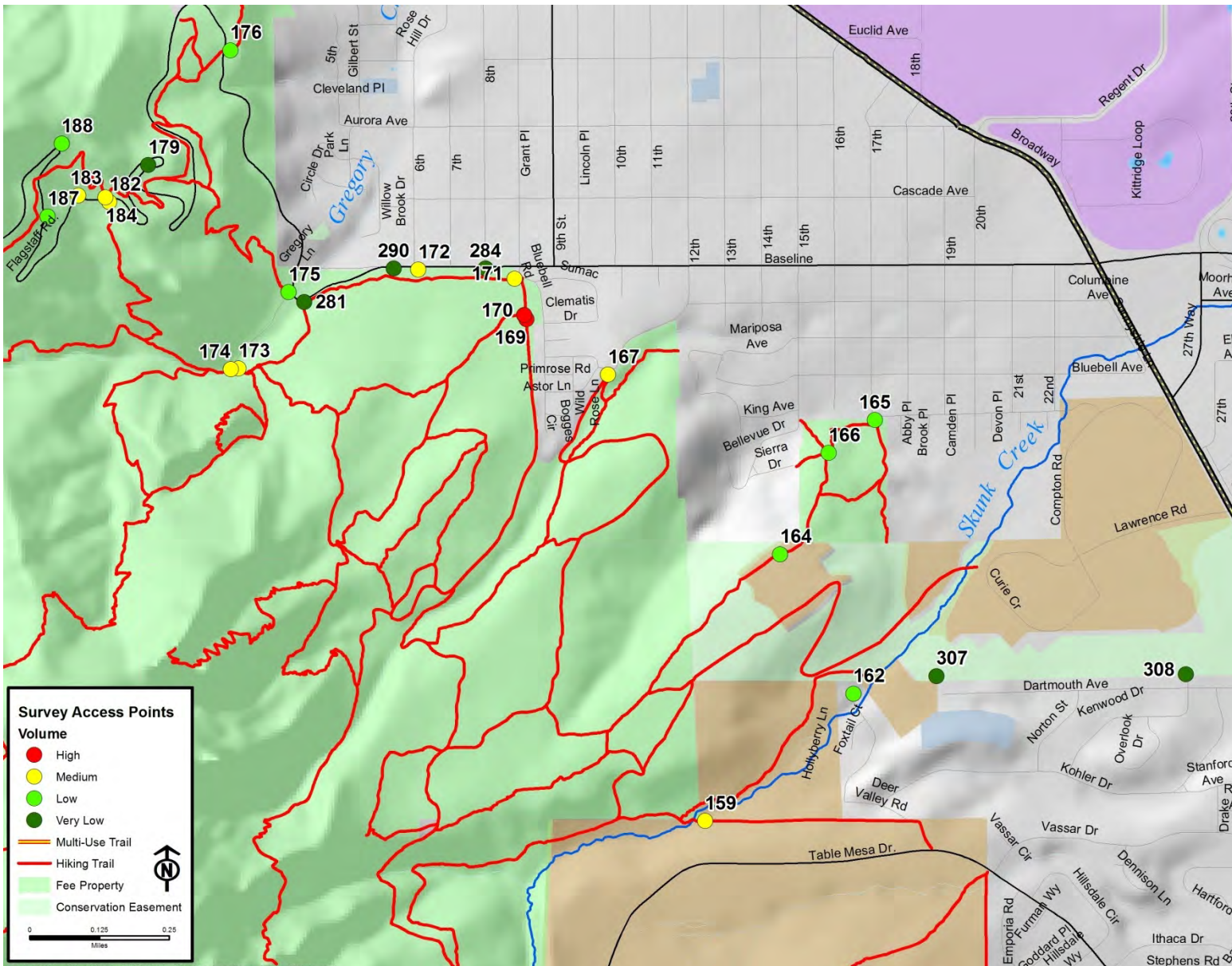


Figure B2. Location of 2010-2011 visitor survey administration sites (Chautauqua area).

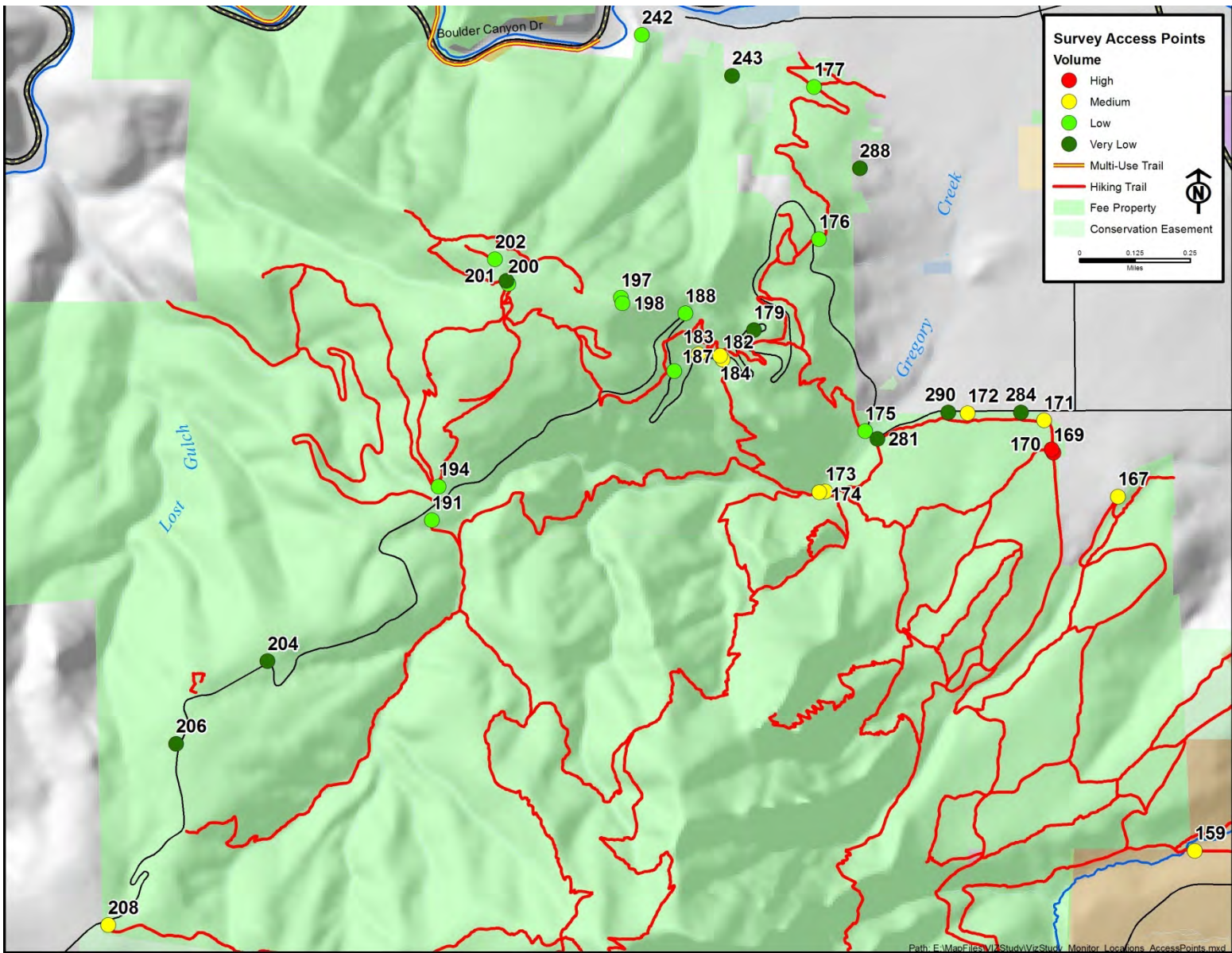


Figure B3. Location of 2010-2011 visitor survey administration sites (Flagstaff area)

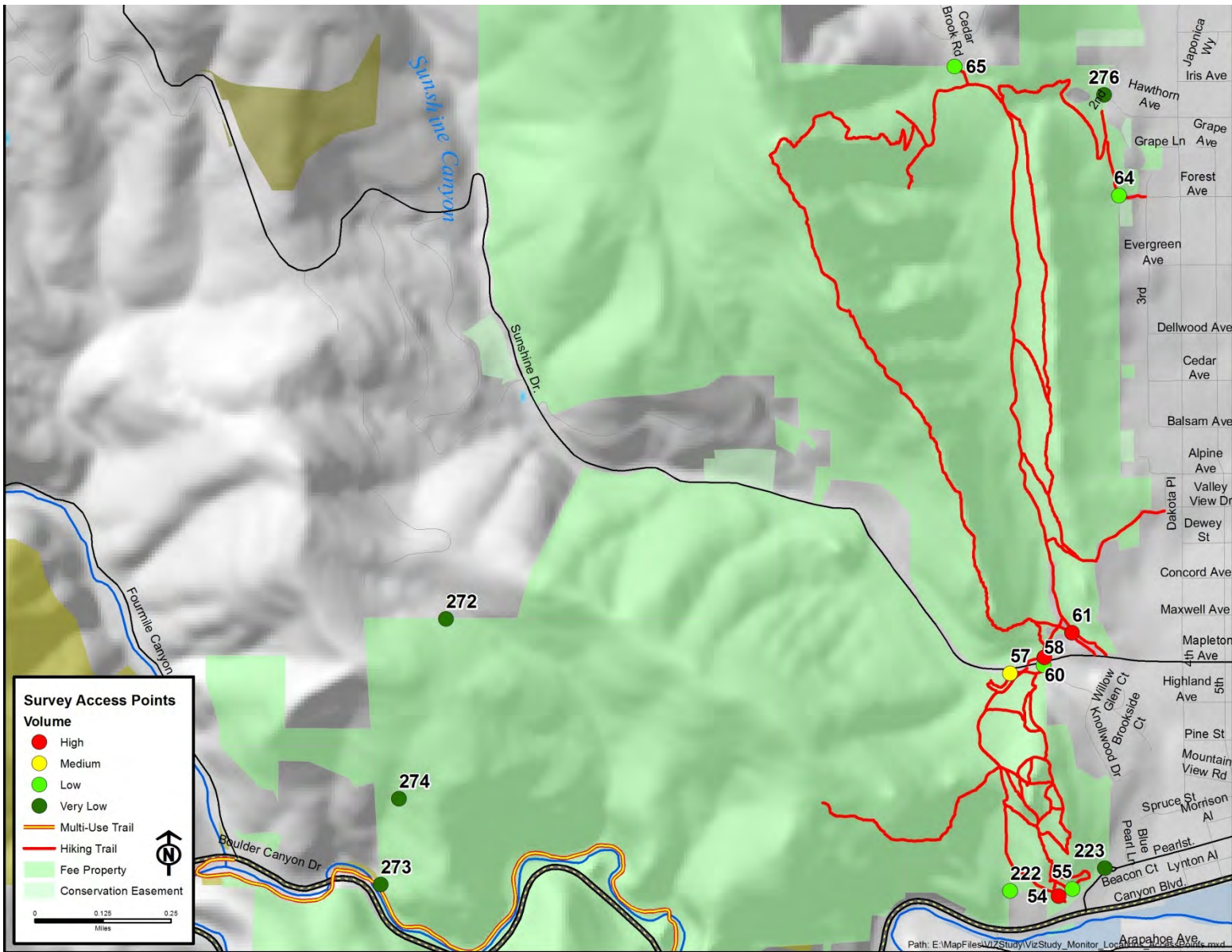


Figure B4. Location of 2010-2011 visitor survey administration sites (Sanitas/Anemone area)

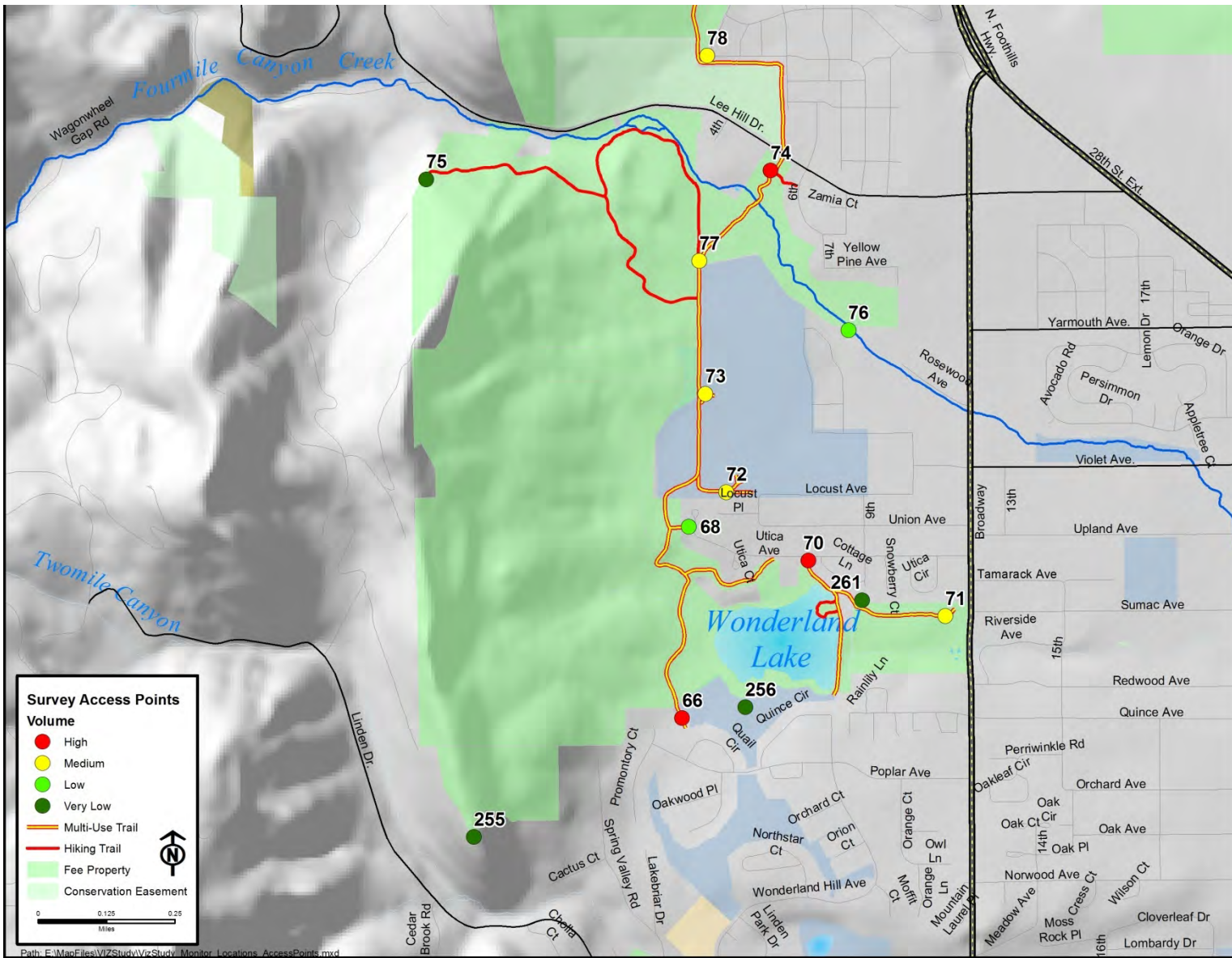


Figure B5. Location of 2010-2011 visitor survey administration sites (Wonderland Lake area).

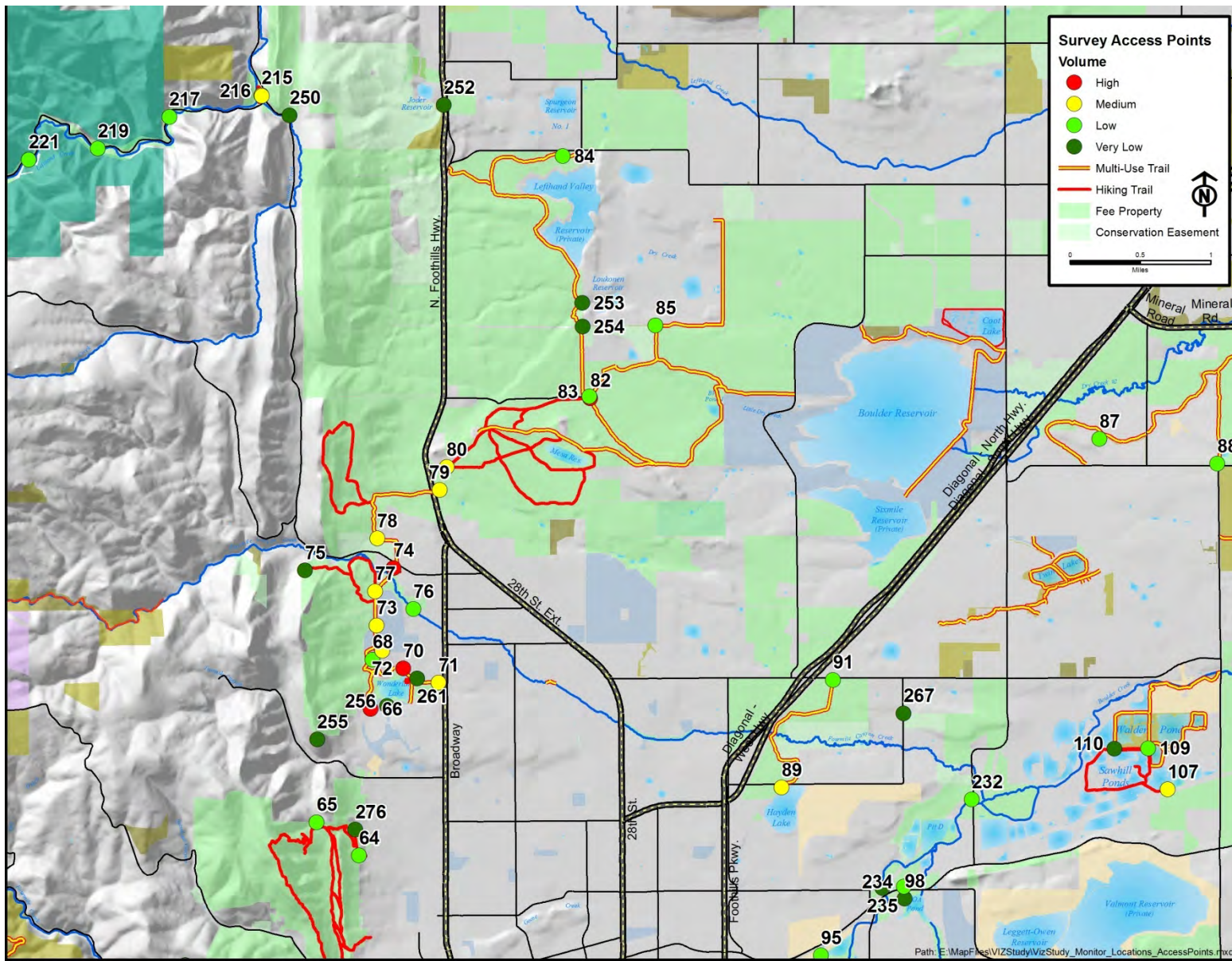


Figure B6. Location of 2010-2011 visitor survey administration sites (northwest area).

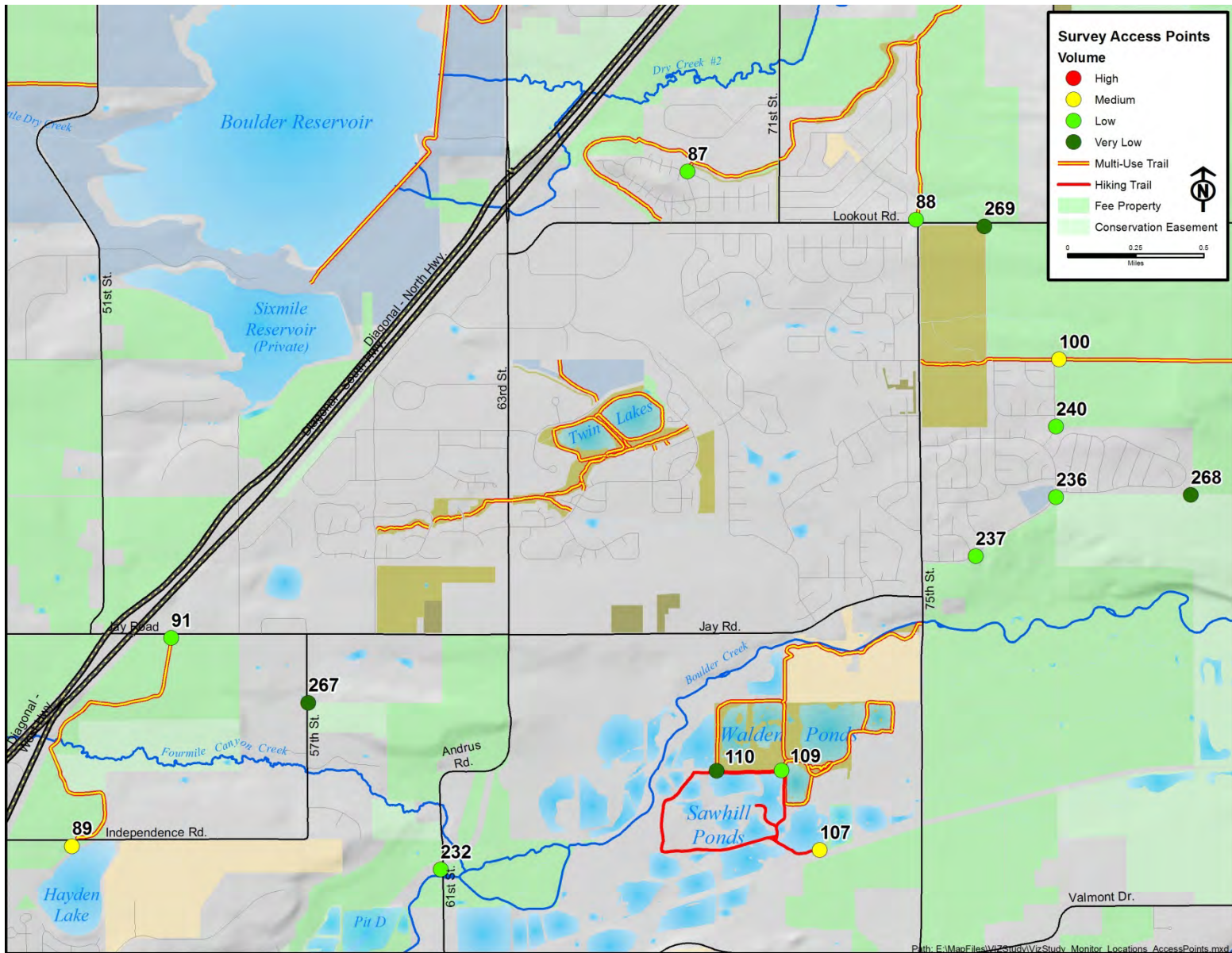


Figure B7. Location of 2010-2011 visitor survey administration sites (northeast area).

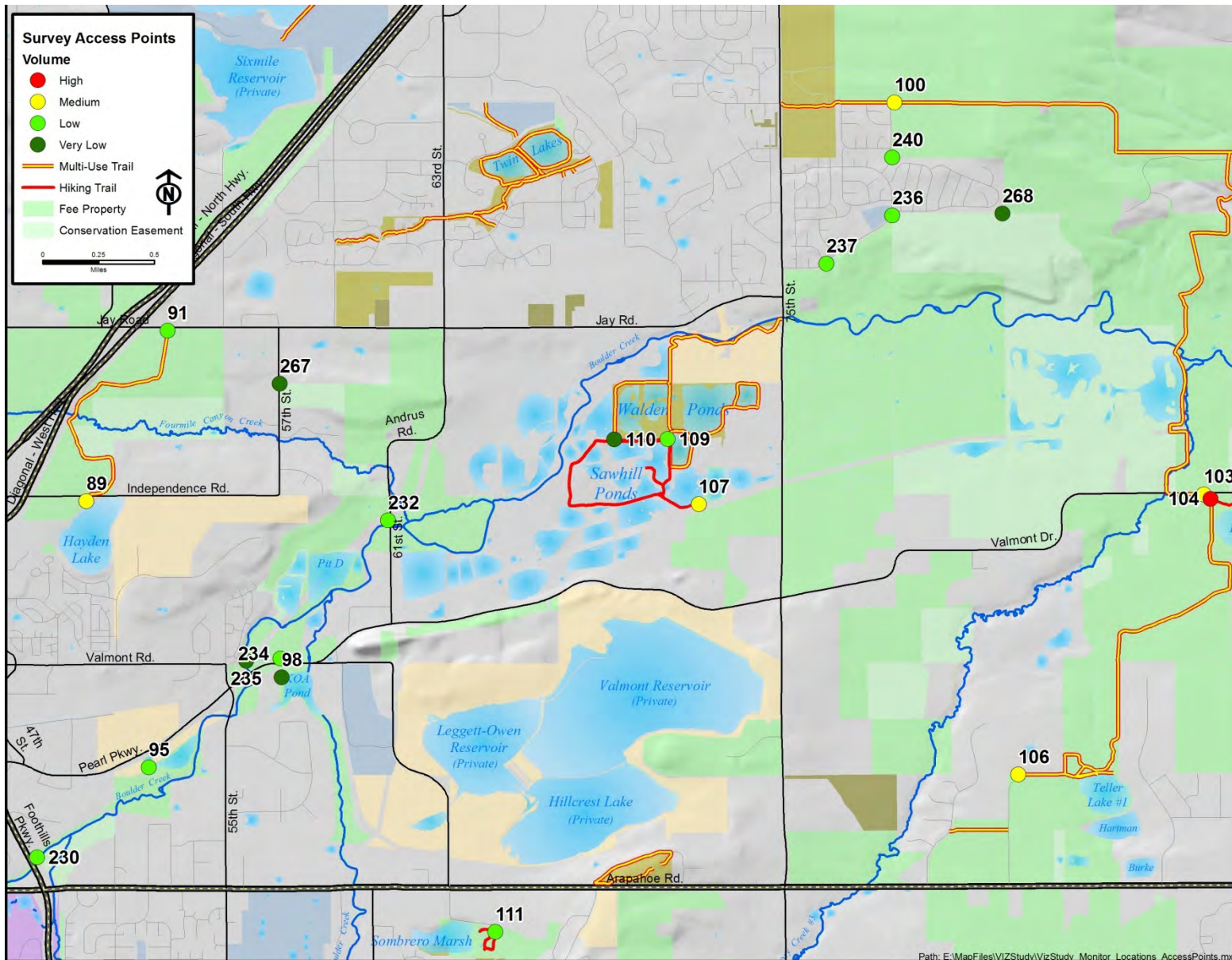


Figure B8. Location of 2010-2011 visitor survey administration sites (east area).

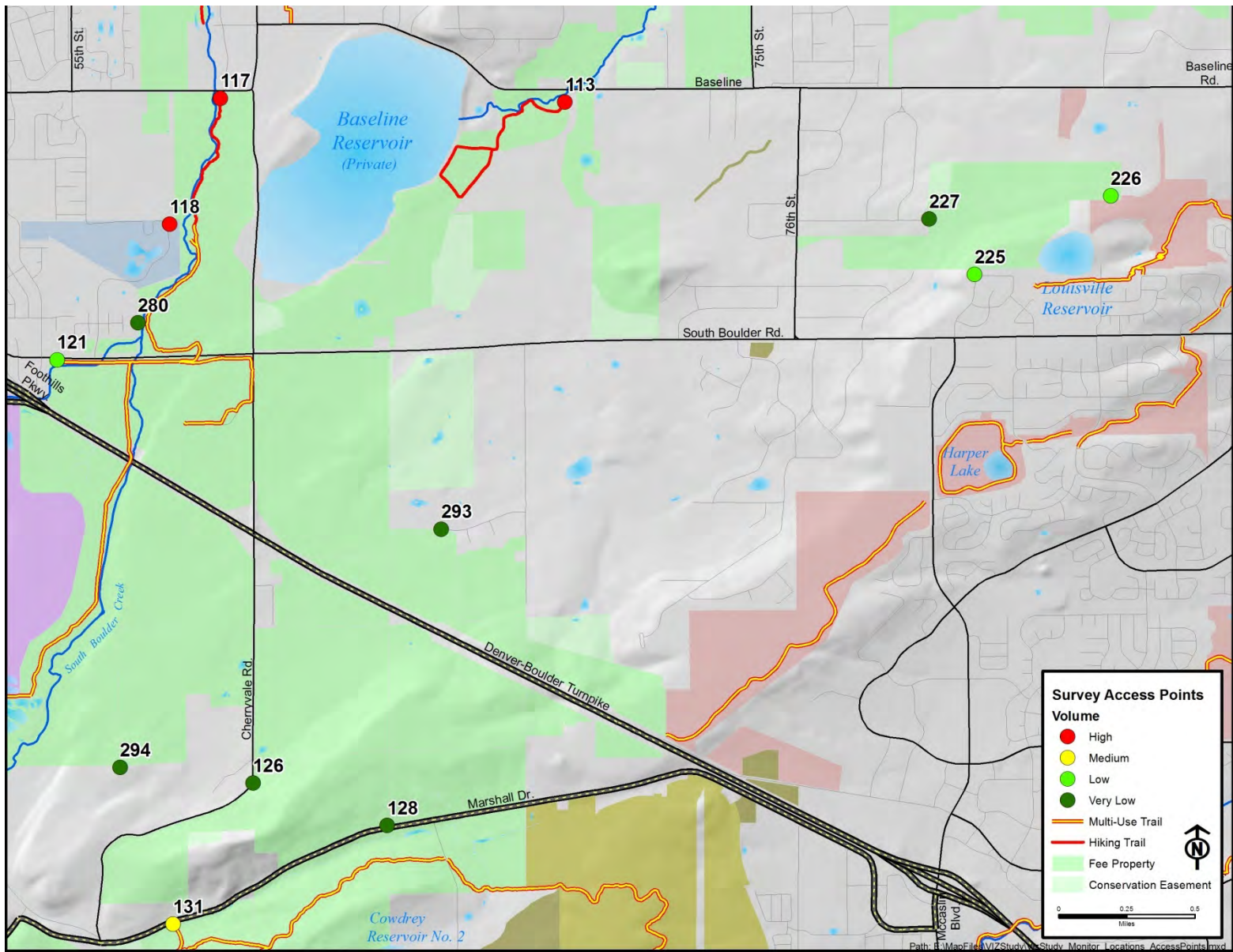


Figure B9. Location of 2010-2011 visitor survey administration sites (southeast area).

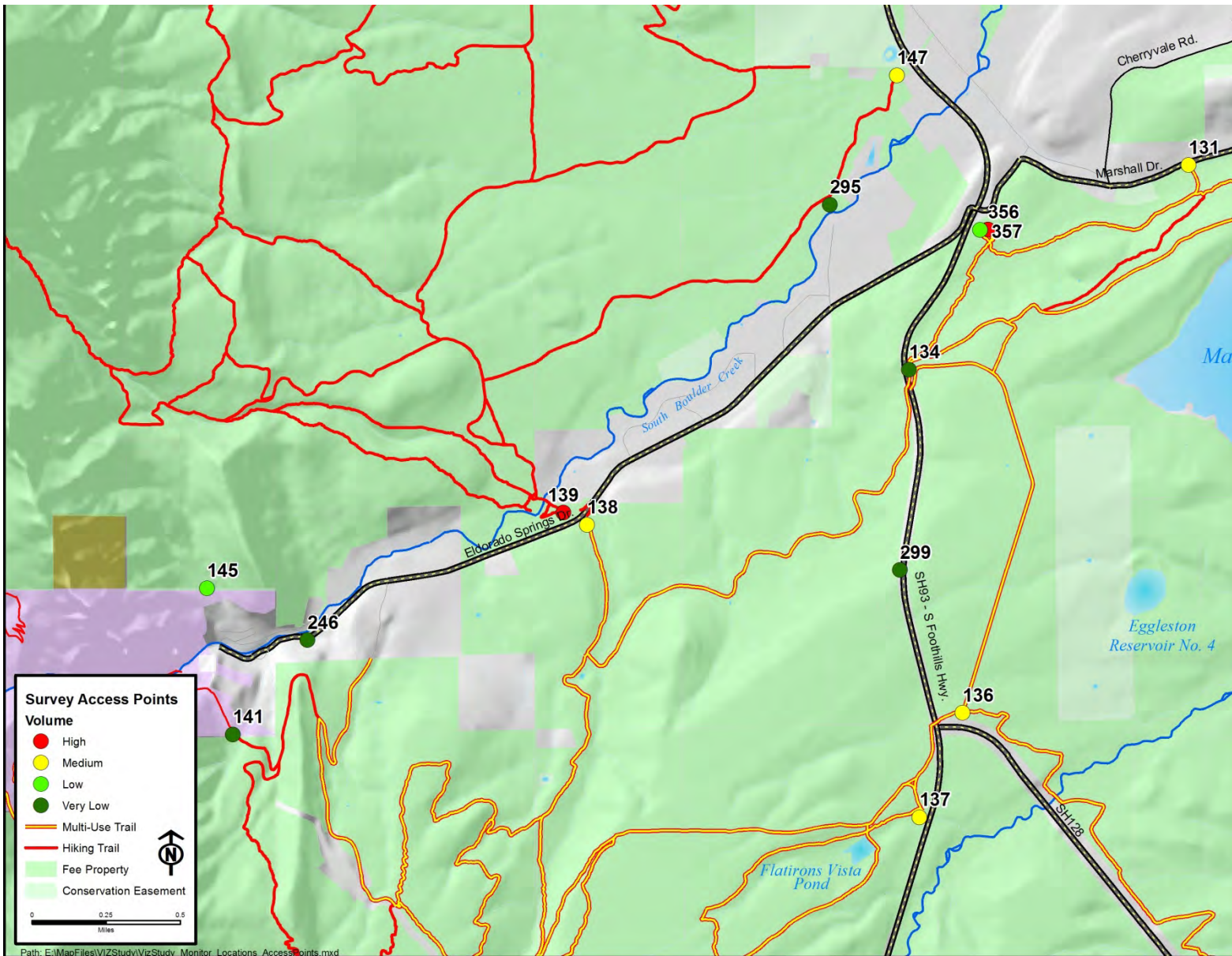


Figure B10. Location of 2010-2011 visitor survey administration sites (southwest area).

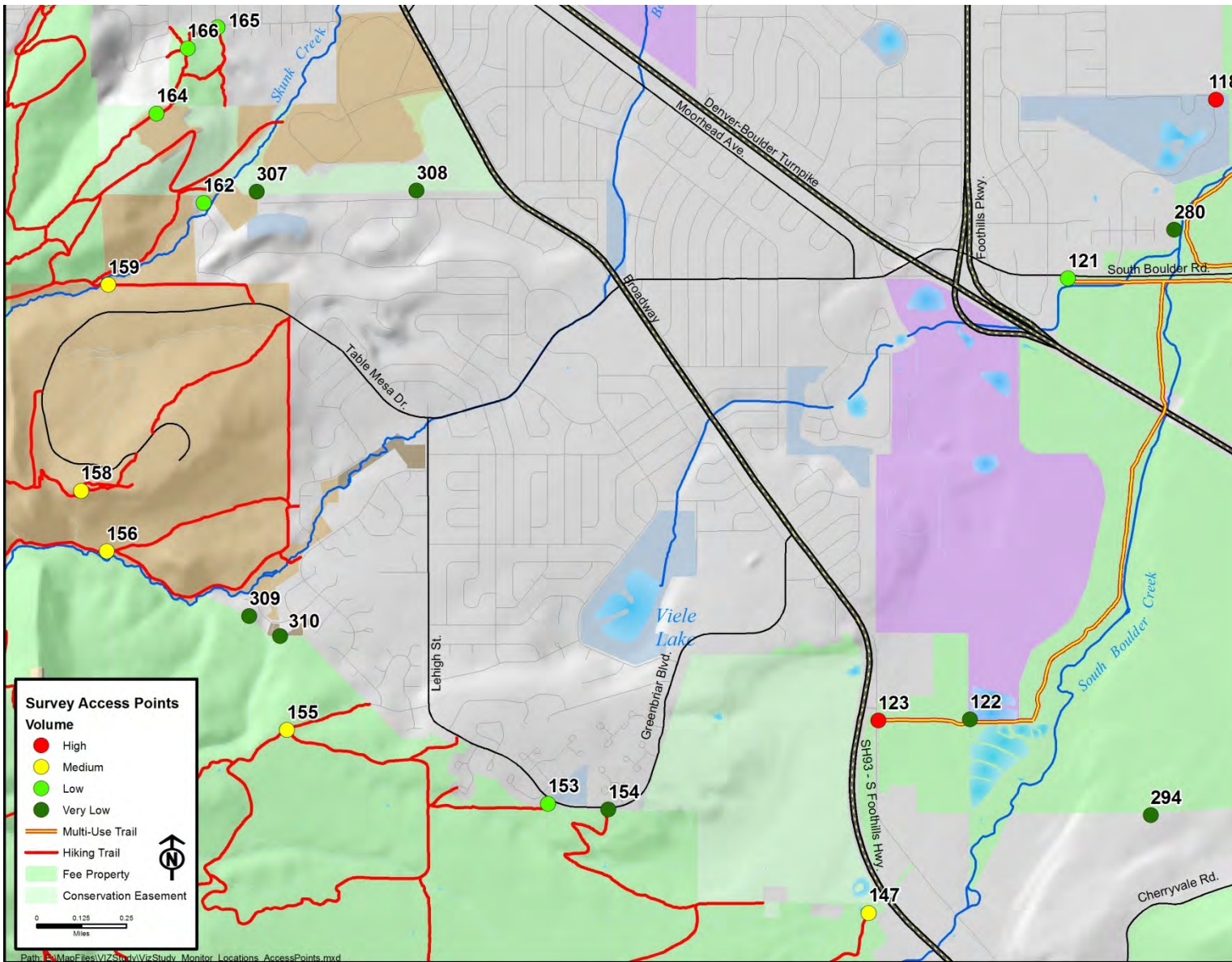


Figure B11. Location of 2010-2011 visitor survey administration sites (Skunk Canyon/Shanahan Ridge area).

Appendix C. Survey session cover data sheet

Date: ()		Start time:		End time:		Recorder:	
Sky		Temp F	Wind	Precipitation		Location	
Sunny Overcast Partly Sunny			<20 mph >20 mph	Rain Snow	Hail None		
Survey #s:							
		By individual Visitor					
Activity type		Passes		Refuses		Repeats	
Hiker	w/out dog						
	With dog						
Runner	w/out dog						
	With dog						
Biker	w/out dog						
	With dog						
Equestrian	w/out dog						
	With dog						
Other (describe)	w/out dog						
	With dog						
Busy Periods (partial sampling)							
Period #		Start time		End time		Sampling rate	
1							
2							
3							
4							
5							
NOTES:							

Appendix D. Total number of surveys (not weighted) and percentage of survey by respondents' residency completed at specific access points.

Location	Boulder	Lafayette	Longmont	Louisville	Superior	Other city in Boulder Co.	Unincorp. Boulder Co.	Metro Denver	Other area in Colorado	Out of State	Out of Country	Total
Bluebell Road	46%	4%	3%	2%	1%	1%	2%	18%	2%	18%	3%	290
Chautauqua Trail	37%	2%	2%	2%	4%	0%	2%	20%	11%	19%	2%	257
Mount Sanitas Trail	53%	4%	7%	2%	2%	0%	9%	9%	7%	7%	0%	226
Wonderland Utica East	79%	1%	3%	1%	0%	1%	8%	5%	0%	2%	2%	117
Enchanted Mesa Trail	47%	0%	3%	2%	3%	2%	4%	9%	5%	20%	6%	108
Sanitas Valley Trail	68%	2%	2%	1%	1%	4%	7%	3%	0%	13%	0%	105
South Boulder Creek Community Center	78%	3%	1%	2%	1%	0%	7%	3%	1%	4%	0%	99
Wonderland Trail Poplar Ave	83%	0%	0%	1%	0%	0%	5%	0%	1%	7%	2%	95
South Boulder Creek Marshall	79%	1%	0%	2%	5%	1%	6%	0%	2%	2%	1%	85
Settlers Trailhead West	64%	5%	6%	4%	0%	5%	0%	5%	0%	9%	2%	81
South Mesa Trailhead	38%	3%	0%	3%	5%	0%	14%	13%	6%	18%	0%	78
Flatirons Vista Trailhead	23%	3%	4%	10%	11%	3%	1%	25%	12%	8%	0%	73
Foothills Trail Dog Park	73%	2%	0%	0%	0%	0%	6%	6%	3%	9%	0%	64
Marshall Mesa - Coal Seam	33%	4%	2%	17%	8%	4%	8%	15%	6%	0%	4%	52
BVR Trailhead South	69%	0%	4%	0%	2%	0%	20%	0%	2%	2%	0%	45
Dry Creek Trailhead	39%	14%	2%	23%	0%	5%	9%	7%	2%	0%	0%	44
Doudy Draw Trailhead	45%	0%	2%	7%	0%	0%	17%	12%	12%	5%	0%	42

Location	Boulder	Lafayette	Longmont	Louisville	Superior	Other city in Boulder Co.	Unincorp. Boulder Co.	Metro Denver	Other area in Colorado	Out of State	Out of Country	Total
Cottonwood Trail Jay Rd	80%	0%	2%	0%	0%	0%	12%	2%	0%	2%	0%	41
Fourmile Trailhead	73%	0%	0%	0%	3%	0%	13%	3%	0%	10%	0%	40
Skunk Canyon Trail Table Mesa	84%	3%	3%	0%	0%	0%	0%	0%	3%	8%	0%	38
Gregory Canyon	68%	3%	0%	0%	0%	3%	11%	14%	3%	0%	0%	37
Baseline Trail	32%	0%	6%	9%	3%	0%	6%	24%	18%	3%	0%	34
Foothills Trail Near Hogback Trail	86%	0%	7%	0%	0%	0%	7%	0%	0%	0%	0%	28
Bobolink Trailhead	62%	23%	0%	0%	0%	0%	4%	4%	4%	4%	0%	26
South Boulder Creek Trail Broadway	60%	8%	8%	4%	4%	0%	16%	0%	0%	0%	0%	25
Shananhan Greenbriar Galena	79%	0%	0%	4%	0%	0%	8%	0%	0%	0%	8%	24
Foothills Trail Locust Av	62%	5%	5%	5%	0%	0%	14%	5%	5%	0%	0%	21
North Fork Shanahan	69%	0%	0%	0%	0%	0%	0%	31%	0%	0%	0%	16
Greenbelt Plateau Trailhead	67%	0%	0%	0%	0%	0%	7%	20%	7%	0%	0%	15
Foothills Trail Near US 36	79%	0%	14%	0%	0%	0%	0%	0%	7%	0%	0%	14
Skunk Canyon Trail	85%	0%	0%	0%	0%	0%	0%	0%	0%	15%	0%	13
Four Pines Entrance	85%	0%	0%	0%	0%	0%	8%	0%	0%	0%	8%	13
Green Mountain West Ridge Trail	31%	0%	0%	0%	0%	0%	8%	8%	0%	54%	0%	13
Cottonwood Trail	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12

Location	Boulder	Lafayette	Longmont	Louisville	Superior	Other city in Boulder Co.	Unincorp. Boulder Co.	Metro Denver	Other area in Colorado	Out of State	Out of Country	Total
Independence Rd South												
Teller Farm South Trailhead	55%	36%	0%	0%	0%	0%	9%	0%	0%	0%	0%	11
Community Ditch East	55%	9%	0%	9%	9%	0%	0%	9%	0%	9%	0%	11
NCAR Trail	36%	0%	9%	0%	0%	0%	0%	18%	9%	27%	0%	11
East Boulder Trail Valmont	50%	10%	0%	0%	0%	0%	40%	0%	0%	0%	0%	10
Centennial Sanitas Connector	67%	0%	22%	0%	0%	0%	11%	0%	0%	0%	0%	9
Foothills Trail NoBo Park	89%	0%	0%	0%	0%	0%	11%	0%	0%	0%	0%	9
NOAA spur off Dartmouth	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9
Sawhill Walden East	38%	0%	0%	0%	0%	0%	50%	0%	13%	0%	0%	8
South Boulder Creek Van Vleet	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8
Four Pines Upper	88%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8
Upper Crown Rock	73%	0%	0%	7%	0%	0%	0%	20%	0%	0%	0%	15
Wonderland Lake Trailhead	86%	0%	0%	14%	0%	0%	0%	0%	0%	0%	0%	7
North Rim Trail	29%	0%	0%	0%	0%	0%	71%	0%	0%	0%	0%	7
East Boulder Trail Heatherwood	71%	0%	0%	29%	0%	0%	0%	0%	0%	0%	0%	7
Amphitheater Trial	43%	0%	0%	0%	29%	0%	0%	14%	14%	0%	0%	7
Flagstaff Amphitheater	0%	0%	14%	0%	0%	0%	0%	14%	0%	71%	0%	7
Sanitas Hawthorne Trail	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6

Location	Boulder	Lafayette	Longmont	Louisville	Superior	Other city in Boulder Co.	Unincorp. Boulder Co.	Metro Denver	Other area in Colorado	Out of State	Out of Country	Total
Cottontail East Subdivision	17%	0%	0%	0%	0%	0%	67%	0%	0%	17%	0%	6
Cottontail Trail South	50%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	6
6th Street Access	67%	0%	17%	0%	0%	17%	0%	0%	0%	0%	0%	6
Ranger Trail	83%	0%	0%	0%	0%	0%	0%	0%	17%	0%	0%	6
BVR Trailhead North	20%	0%	0%	0%	0%	20%	20%	20%	20%	0%	0%	5
Lefthand Trailhead	60%	0%	20%	0%	0%	0%	20%	0%	0%	0%	0%	5
Sombrero SW	40%	0%	0%	0%	0%	0%	60%	0%	0%	0%	0%	5
Chautauqua - W Baseline Trail	20%	0%	0%	0%	0%	0%	0%	80%	0%	0%	0%	5
Sawhill Entrance West	0%	0%	50%	25%	0%	0%	0%	25%	0%	0%	0%	4
View Point Trail North	75%	0%	0%	0%	0%	0%	0%	0%	0%	25%	0%	4
Contact Corner	50%	0%	0%	0%	0%	0%	0%	0%	0%	25%	25%	4
Heatherwood Wood Brothers East	75%	0%	0%	0%	0%	0%	0%	0%	0%	25%	0%	4
Degge Trail	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3
Marshall Mesa Trailhead	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3
Greenbriar Undesignated	67%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	3
Lower Bear Canyon Trail	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3
Colorado Open Lands North	33%	0%	33%	0%	0%	0%	0%	33%	0%	0%	0%	3
Chautauqua - 8th St	33%	0%	0%	0%	0%	0%	0%	0%	0%	33%	33%	3
Settlers Trailhead East	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2
Foothills Trail Locust Pl	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2

Location	Boulder	Lafayette	Longmont	Louisville	Superior	Other city in Boulder Co.	Unincorp. Boulder Co.	Metro Denver	Other area in Colorado	Out of State	Out of Country	Total
Foothills Rosewood Av	50%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	2
Cottonwood Trail Independence Rd North	50%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	2
East Boulder Trail White Rocks	0%	50%	0%	0%	0%	0%	0%	0%	50%	0%	0%	2
Flagstaff Trail East	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2
View Point Trail South	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2
Ute Trail	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2
Flagstaff Amphitheater South	50%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	2
Steinbach Continental View	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2
Gunbarrel - 79th	50%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	2
68th Whaley Dr	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	2
Sanitas Pinebrook Connector	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	1
Boulder Creek Path Valmont Industrial Park North	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	1
Lower Crown Rock	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
Buckingham Southwest	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	1
Buckingham South	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	1
Steinbach Niland	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
Heatherwood	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1

Location	Boulder	Lafayette	Longmont	Louisville	Superior	Other city in Boulder Co.	Unincorp. Boulder Co.	Metro Denver	Other area in Colorado	Out of State	Out of Country	Total
Cambridge St												
Wonderland - Poplar pocket park	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
Sombrero SE	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1

Appendix E. Verbatim responses from survey respondents who provided their own response to the prompt to circle their primary activity on the day of their visit and how OSMP staff classified the response during the data analysis.

Response	Category
wading	Other
walking baby/husband	Hiking
fishing	Other
birding	Wildlife Viewing
birding	Wildlife Viewing
Volksmarching Event	Other
rec center	Other
birding	Wildlife Viewing
martial arts	Other
fish	Other
fishing	Other
fishing	Other
paragliding	Other
paragliding	Other
check out NLU	Other
fishing	Other
cross country skiing	Other
sledding	Other
sledding	Other
snowshoeing	Other
voice & sight training	Other
aerobic workout	Other
snowshoe	Other
sleeping	Other
colleagues discussion	Social Gathering
exercise	Other
geology	Other
painting	Other
fishing	Other
being outdoors	Other
spending time with loved one	Social Gathering
enjoying life	Other
bird watching	Wildlife Viewing
birds	Wildlife Viewing
training	Other

Appendix F. Verbatim responses from survey respondents who provided their own response to the survey question: “What made your trip enjoyable today? (PLEASE CHECK ALL THAT APPLY)”

Response
access to creek
all of it
art inspiration
away from city
beauty
being able to be off leash
being able to legally have my dog off leash
being away from dogs
being in nature and in solitude
being outside and good challenging trail
Being with dogs
Being with others Dogs
BIKE
biking
birding
birds
breathing!
butterflies
can use images for my blog
challenges
challenging terrain
clean air/environment
clear my mind
climbing
close to hotel
close to nature
close to work
closer to Lord
cool
creek
didn't have to drive to get here
dirt trail
dog fun
dog off leash
dogs and dog-owners are better behaved here
dogs can swim
Earth Day
energy of place

Response
exercise dogs
fall colors
filling out this survey
fire
fish
fog
fresh air
fresh air, being outside
fun
God
good trail
good weather for it
great weather
having my dog off leash - green tag
hoping to see coyotes
I can exercise here in my break and go back to work
it's quiet & peaceful here
just being in nature
knowing that my dog could be here off leash
knowing trail was dog-friendly
listening to my kids laugh and enjoy life outside
listening to the music
love of the eco-self
most all of the above
my horse lives at BVR
nap
nice survey people
no bikes to look out for and can have dogs off leash
no car
no dogs
no dogs allowed
no dogs on trail
no kids with me, water and snack
not at work
off leash dog area
off leash!
on way to home
other
other happy folks & animals
paragliding

Response
parasoft school
peace
peacefulness
pelicans
peoples dogs
photography
prepare for race Sun. 3rd
quiet
quietness
reflection
relaxation
riding not on roads
rock chairs!
safe bike commute not mtn biking
seclusion
seeing a rattlesnake
seeing other dogs
seeing other people's dogs
seeing other peoples dogs having fun
sledding
smelling flowers
smells
snow
solitude (weekday)
space
spiritual wild areas
sunshine & shade
sunshine!
survey taker
swallows nesting
talking to other hikers
the well groomed trails
trail conditions
transportation to/from work
wading
weather
weather & type of trail
wind

Appendix G. Ratings for various services by survey location.

Table G1. Ratings for restroom cleanliness by survey location.

Location	A	B	C	D	F	# of surveys
Bluebell Road	33%	67%	0%	0%	0%	186
Mount Sanitas Trail	67%	33%	0%	0%	0%	135
Chautauqua Trail	32%	47%	16%	5%	0%	124
Enchanted Mesa Trail	46%	31%	17%	5%	1%	64
Wonderland Utica East	54%	23%	15%	0%	8%	53
Wonderland Trail Poplar Ave	0%	100%	0%	0%	0%	51
South Mesa Trailhead	0%	100%	0%	0%	0%	50
Sanitas Valley Trail	0%	100%	0%	0%	0%	46
Flatirons Vista Trailhead	43%	29%	21%	4%	4%	43
South Boulder Creek Marshall	100%	0%	0%	0%	0%	43
South Boulder Creek Community Center	0%	100%	0%	0%	0%	40
Marshall Mesa - Coal Seam	42%	35%	19%	3%	1%	36
Foothills Trail Dog Park	29%	71%	0%	0%	0%	32
Settlers Trailhead West	33%	67%	0%	0%	0%	29
BVR Trailhead South	0%	50%	0%	50%	0%	28
Doudy Draw Trailhead	0%	100%	0%	0%	0%	23
Gregory Canyon	20%	80%	0%	0%	0%	21
Baseline Trail	16%	32%	37%	11%	5%	19
Cottonwood Trail Jay Rd	0%	100%	0%	0%	0%	19
Dry Creek Trailhead	48%	35%	17%	0%	0%	18
South Boulder Creek Trail Broadway	44%	33%	22%	0%	0%	18
Bobolink Trailhead	75%	25%	0%	0%	0%	13
Fourmile Trailhead	100%	0%	0%	0%	0%	11
Greenbelt Plateau Trailhead	39%	41%	14%	6%	0%	11
Foothills Trail Near Hogback Trail	100%	0%	0%	0%	0%	10
Skunk Canyon Trail Table Mesa	100%	0%	0%	0%	0%	10
Foothills Trail Near US 36	0%	0%	50%	50%	0%	9
Teller Farm South Trailhead	58%	33%	9%	0%	0%	9
East Boulder Trail Valmont	63%	25%	9%	0%	3%	8
North Fork Shanahan	50%	50%	0%	0%	0%	8
Shananhan Greenbriar Galena	20%	50%	20%	10%	0%	8
Community Ditch East	33%	44%	22%	0%	0%	7
Foothills Trail NoBo Park	43%	14%	43%	0%	0%	7
Foothills Trail Locust Av	60%	20%	20%	0%	0%	6
Cottonwood Trail Independence Rd South	50%	50%	0%	0%	0%	5
Four Pines Entrance	73%	27%	0%	0%	0%	5
Green Mountain West Ridge Trail	100%	0%	0%	0%	0%	5
Skunk Canyon Trail	64%	18%	18%	0%	0%	5
Upper Crown Rock	38%	33%	29%	0%	0%	5
Four Pines Upper	0%	100%	0%	0%	0%	4
Sawhill Walden East	0%	50%	0%	50%	0%	4
6th Street Access	67%	33%	0%	0%	0%	3
Amphitheater Trail	0%	100%	0%	0%	0%	3

Location	A	B	C	D	F	# of surveys
Contact Corner	33%	50%	11%	6%	0%	3
Lefthand Trailhead	50%	50%	0%	0%	0%	3
NCAR Trail	32%	36%	24%	4%	4%	3
NOAA spur off Dartmouth	0%	67%	33%	0%	0%	3
Ranger Trail	67%	33%	0%	0%	0%	3
Upper Crown Rock Road Pulloff	25%	38%	25%	0%	13%	3
Wonderland Lake Trailhead	33%	67%	0%	0%	0%	3
Buckingham Southwest	100%	0%	0%	0%	0%	2
BVR Trailhead North	33%	43%	22%	0%	2%	2
Cottontail East Subdivision	0%	100%	0%	0%	0%	2
Cottonwood Trail Independence Rd North	50%	25%	25%	0%	0%	2
Degge Trail	0%	100%	0%	0%	0%	2
Flagstaff Amphitheater	52%	17%	24%	7%	0%	2
Flagstaff Trail East	75%	0%	25%	0%	0%	2
Heatherwood Wood Brothers East	40%	40%	20%	0%	0%	2
Marshall Mesa Trailhead	50%	40%	10%	0%	0%	2
Sawhill Entrance West	0%	100%	0%	0%	0%	2
South Boulder Creek Van Vleet	43%	45%	10%	3%	0%	2
Buckingham South	49%	35%	12%	5%	0%	1
Centennial Sanitas Connector	17%	56%	17%	0%	11%	1
Chautauqua - W Baseline Trail	0%	100%	0%	0%	0%	1
East Boulder Trail Heatherwood	34%	44%	20%	2%	0%	1
Flagstaff Amphitheater South	44%	44%	11%	0%	0%	1
Heatherwood Cambridge St	20%	60%	20%	0%	0%	1
Lower Bear Canyon Trail	0%	100%	0%	0%	0%	1
Sanitas Hawthorne Trail	100%	0%	0%	0%	0%	1
Settlers Trailhead East	100%	0%	0%	0%	0%	1
Sombrero SW	39%	35%	22%	4%	0%	1
View Point Trail North	45%	34%	19%	0%	2%	1

Table G2. Ratings for usefulness of signs and brochures by survey location.

Location	A	B	C	D	F	# of surveys
Bluebell Road	0%	100%	0%	0%	0%	272
Chautauqua Trail	0%	100%	0%	0%	0%	238
Mount Sanitas Trail	60%	40%	0%	0%	0%	206
Wonderland Utica East	53%	30%	7%	7%	3%	102
Enchanted Mesa Trail	59%	28%	10%	3%	0%	98
Sanitas Valley Trail	65%	35%	0%	0%	0%	98
South Boulder Creek Community Center	0%	100%	0%	0%	0%	91
Wonderland Trail Poplar Ave	100%	0%	0%	0%	0%	82
South Boulder Creek Marshall	0%	100%	0%	0%	0%	76
Settlers Trailhead West	80%	20%	0%	0%	0%	74
South Mesa Trailhead	44%	34%	20%	0%	2%	68
Flatirons Vista Trailhead	71%	0%	29%	0%	0%	64
Foothills Trail Dog Park	67%	33%	0%	0%	0%	60
Marshall Mesa - Coal Seam	50%	50%	0%	0%	0%	51
BVR Trailhead South	56%	32%	9%	3%	0%	41
Doudy Draw Trailhead	67%	33%	0%	0%	0%	41
Dry Creek Trailhead	70%	30%	0%	0%	0%	41
Cottonwood Trail Jay Rd	25%	50%	25%	0%	0%	37
Fourmile Trailhead	33%	50%	17%	0%	0%	36
Gregory Canyon	60%	20%	20%	0%	0%	32
Skunk Canyon Trail Table Mesa	100%	0%	0%	0%	0%	32
Baseline Trail	90%	10%	0%	0%	0%	30
Foothills Trail Near Hogback Trail	38%	41%	19%	3%	0%	25
South Boulder Creek Trail Broadway	67%	33%	0%	0%	0%	24
Bobolink Trailhead	56%	32%	10%	2%	0%	23
Shananhan Greenbriar Galena	54%	39%	2%	5%	0%	23
Foothills Trail Locust Av	70%	30%	0%	0%	0%	17
North Fork Shanahan	71%	29%	0%	0%	0%	16
Foothills Trail Near US 36	100%	0%	0%	0%	0%	14
Greenbelt Plateau Trailhead	46%	40%	13%	1%	0%	13
Four Pines Entrance	80%	0%	0%	20%	0%	12
Green Mountain West Ridge Trail	100%	0%	0%	0%	0%	11
Community Ditch East	0%	100%	0%	0%	0%	10
Cottonwood Trail Independence Rd South	66%	23%	6%	3%	2%	10
East Boulder Trail Valmont	50%	50%	0%	0%	0%	10
Skunk Canyon Trail	48%	45%	3%	2%	2%	10
Teller Farm South Trailhead	47%	35%	12%	6%	0%	10
NCAR Trail	0%	50%	50%	0%	0%	9
Foothills Trail NoBo Park	44%	48%	4%	4%	0%	8
Sawhill Walden East	57%	36%	7%	0%	0%	8
Upper Crown Rock	38%	50%	13%	0%	0%	8
Centennial Sanitas Connector	50%	25%	25%	0%	0%	7
East Boulder Trail Heatherwood	29%	57%	14%	0%	0%	7
Four Pines Upper	56%	33%	11%	0%	0%	7
Cottontail East Subdivision	73%	9%	18%	0%	0%	6

Location	A	B	C	D	F	# of surveys
Sanitas Hawthorne Trail	77%	15%	0%	8%	0%	6
South Boulder Creek Van Vleet	67%	33%	0%	0%	0%	6
Upper Crown Rock Road Pulloff	53%	28%	6%	6%	6%	6
Wonderland Lake Trailhead	50%	50%	0%	0%	0%	6
Amphitheater Trail	0%	100%	0%	0%	0%	5
BVR Trailhead North	33%	67%	0%	0%	0%	5
Cottontail Trail South	60%	20%	20%	0%	0%	5
Flagstaff Amphitheater	0%	100%	0%	0%	0%	5
Lefthand Trailhead	0%	100%	0%	0%	0%	5
NOAA spur off Dartmouth	59%	39%	2%	0%	0%	5
North Rim Trail	67%	33%	0%	0%	0%	5
Ranger Trail	54%	36%	10%	0%	0%	5
6th Street Access	67%	22%	11%	0%	0%	4
Chautauqua - W Baseline Trail	60%	40%	0%	0%	0%	4
Contact Corner	50%	44%	6%	0%	0%	4
Sawhill Entrance West	40%	40%	20%	0%	0%	4
View Point Trail North	60%	20%	20%	0%	0%	4
Chautauqua - 8th St	33%	67%	0%	0%	0%	3
Colorado Open Lands North	0%	100%	0%	0%	0%	3
Degge Trail	56%	29%	14%	1%	0%	3
Greenbriar Undesignated	75%	25%	0%	0%	0%	3
Heatherwood Wood Brothers East	25%	13%	63%	0%	0%	3
Lower Bear Canyon Trail	0%	100%	0%	0%	0%	3
Marshall Mesa Trailhead	55%	31%	11%	1%	1%	3
Sombrero SW	74%	9%	17%	0%	0%	3
Cottonwood Trail Independence Rd North	80%	10%	10%	0%	0%	2
East Boulder Trail White Rocks	44%	50%	3%	0%	3%	2
Flagstaff Amphitheater South	0%	100%	0%	0%	0%	2
Flagstaff Trail East	0%	33%	67%	0%	0%	2
Foothills Rosewood Av	57%	36%	4%	2%	0%	2
Foothills Trail Locust Pl	53%	33%	13%	0%	1%	2
Gunbarrel - 79th	71%	17%	8%	4%	0%	2
Settlers Trailhead East	50%	33%	17%	0%	0%	2
Steinbach Continental View	59%	34%	7%	0%	0%	2
Ute Trail	0%	50%	50%	0%	0%	2
68th Whaley Dr	100%	0%	0%	0%	0%	1
Boulder Creek Path Valmont Industrial Park North	80%	20%	0%	0%	0%	1
Buckingham South	13%	63%	25%	0%	0%	1
Buckingham Southwest	83%	17%	0%	0%	0%	1
Heatherwood Cambridge St	0%	100%	0%	0%	0%	1
Lower Crown Rock	50%	50%	0%	0%	0%	1
Sanitas Pinebrook Connector	0%	100%	0%	0%	0%	1
Sombrero SE	0%	100%	0%	0%	0%	1
Steinbach Niland	67%	17%	17%	0%	0%	1
View Point Trail South	51%	35%	13%	0%	0%	1
Wonderland - Poplar pocket park	56%	31%	12%	1%	0%	1

Table G3. Ratings for fixing eroded or trampled areas by survey location.

Location	A	B	C	D	F	# of surveys
68th Whaley Dr	0%	0%	50%	50%	0%	2
6th Street Access	25%	50%	25%	0%	0%	4
Amphitheater Trail	43%	43%	14%	0%	0%	7
Baseline Trail	30%	60%	7%	3%	0%	30
Bluebell Road	49%	35%	13%	3%	0%	263
Bobolink Trailhead	54%	38%	8%	0%	0%	24
Boulder Creek Path Valmont Industrial Park North	100%	0%	0%	0%	0%	1
Buckingham South	100%	0%	0%	0%	0%	1
Buckingham Southwest	0%	100%	0%	0%	0%	1
BVR Trailhead North	40%	60%	0%	0%	0%	5
BVR Trailhead South	45%	43%	13%	0%	0%	40
Centennial Sanitas Connector	25%	25%	38%	0%	13%	8
Chautauqua - 8th St	0%	100%	0%	0%	0%	2
Chautauqua - W Baseline Trail	25%	25%	50%	0%	0%	4
Chautauqua Trail	43%	40%	14%	2%	1%	225
Colorado Open Lands North	100%	0%	0%	0%	0%	3
Community Ditch East	45%	45%	9%	0%	0%	11
Contact Corner	25%	75%	0%	0%	0%	4
Cottontail East Subdivision	0%	83%	17%	0%	0%	6
Cottontail Trail South	50%	50%	0%	0%	0%	6
Cottonwood Trail Independence Rd North	0%	100%	0%	0%	0%	2
Cottonwood Trail Independence Rd South	64%	36%	0%	0%	0%	11
Cottonwood Trail Jay Rd	26%	47%	18%	3%	5%	38
Degge Trail	33%	67%	0%	0%	0%	3
Doudy Draw Trailhead	43%	43%	13%	3%	0%	40
Dry Creek Trailhead	45%	53%	0%	0%	3%	38
East Boulder Trail Valmont	50%	40%	0%	10%	0%	10
East Boulder Trail Heatherwood	71%	29%	0%	0%	0%	7
East Boulder Trail White Rocks	50%	0%	0%	50%	0%	2
Enchanted Mesa Trail	43%	40%	12%	4%	1%	93
Flagstaff Amphitheater	80%	20%	0%	0%	0%	5
Flagstaff Amphitheater South	50%	50%	0%	0%	0%	2
Flagstaff Trail East	0%	50%	50%	0%	0%	2
Flatirons Vista Trailhead	51%	40%	6%	3%	0%	70
Foothills Rosewood Av	50%	50%	0%	0%	0%	2
Foothills Trail Dog Park	45%	39%	10%	5%	2%	62
Foothills Trail Locust Av	39%	33%	22%	6%	0%	18
Foothills Trail Locust Pl	50%	50%	0%	0%	0%	2
Foothills Trail Near Hogback Trail	39%	46%	11%	0%	4%	28
Foothills Trail Near US 36	36%	50%	7%	7%	0%	14
Foothills Trail NoBo Park	22%	44%	22%	0%	11%	9
Four Pines Entrance	25%	50%	25%	0%	0%	12
Four Pines Upper	29%	43%	29%	0%	0%	7
Fourmile Trailhead	39%	26%	21%	8%	5%	38

Location	A	B	C	D	F	# of surveys
Green Mountain West Ridge Trail	83%	0%	17%	0%	0%	12
Greenbelt Plateau Trailhead	60%	33%	7%	0%	0%	15
Greenbriar Undesignated	50%	50%	0%	0%	0%	2
Gregory Canyon	50%	32%	15%	3%	0%	34
Gunbarrel - 79th	50%	50%	0%	0%	0%	2
Heatherwood Cambridge St	0%	100%	0%	0%	0%	1
Heatherwood Wood Brothers East	75%	25%	0%	0%	0%	4
Lefthand Trailhead	40%	40%	0%	20%	0%	5
Lower Bear Canyon Trail	0%	67%	33%	0%	0%	3
Lower Crown Rock	0%	100%	0%	0%	0%	1
Marshall Mesa - Coal Seam	46%	32%	18%	4%	0%	50
Marshall Mesa Trailhead	67%	33%	0%	0%	0%	3
Mount Sanitas Trail	42%	37%	16%	4%	1%	222
NCAR Trail	36%	45%	9%	9%	0%	11
NOAA spur off Dartmouth	17%	67%	17%	0%	0%	6
North Fork Shanahan	40%	40%	20%	0%	0%	15
North Rim Trail	0%	71%	29%	0%	0%	7
Ranger Trail	20%	60%	20%	0%	0%	5
Sanitas Hawthorne Trail	33%	33%	0%	33%	0%	6
Sanitas Pinebrook Connector	0%	100%	0%	0%	0%	1
Sanitas Valley Trail	41%	34%	24%	1%	0%	96
Sawhill Entrance West	50%	25%	25%	0%	0%	4
Sawhill Walden East	50%	50%	0%	0%	0%	6
Settlers Trailhead East	0%	50%	0%	0%	50%	2
Settlers Trailhead West	29%	42%	23%	5%	0%	78
Shananhan Greenbriar Galena	60%	25%	15%	0%	0%	20
Skunk Canyon Trail	33%	44%	11%	0%	11%	9
Skunk Canyon Trail Table Mesa	35%	44%	15%	6%	0%	34
Sombrero SE	0%	100%	0%	0%	0%	1
Sombrero SW	50%	50%	0%	0%	0%	4
South Boulder Creek Community Center	49%	38%	10%	2%	0%	89
South Boulder Creek Marshall	52%	31%	14%	1%	1%	77
South Boulder Creek Trail Broadway	50%	38%	8%	0%	4%	24
South Boulder Creek Van Vleet	38%	50%	0%	13%	0%	8
South Mesa Trailhead	44%	39%	15%	2%	0%	66
Steinbach Continental View	0%	50%	50%	0%	0%	2
Steinbach Niland	0%	0%	100%	0%	0%	1
Teller Farm South Trailhead	60%	40%	0%	0%	0%	10
Upper Crown Rock	43%	29%	29%	0%	0%	7
Upper Crown Rock Road Pulloff	57%	29%	14%	0%	0%	7
Ute Trail	0%	50%	50%	0%	0%	2
View Point Trail North	67%	33%	0%	0%	0%	3
View Point Trail South	0%	50%	50%	0%	0%	2
Wonderland - Poplar pocket park	100%	0%	0%	0%	0%	1
Wonderland Lake Trailhead	57%	43%	0%	0%	0%	7
Wonderland Trail Poplar Ave	35%	34%	22%	5%	4%	85

Location	A	B	C	D	F	# of surveys
Wonderland Utica East	38%	40%	18%	2%	1%	104

Table G4. Ratings for trail conditions and maintenance by survey location.

Location	A	B	C	D	F	# of surveys
Bluebell Road	66%	29%	4%	1%	0%	288
Chautauqua Trail	60%	32%	7%	1%	0%	248
Mount Sanitas Trail	57%	33%	6%	3%	0%	227
Enchanted Mesa Trail	60%	32%	8%	0%	0%	107
Wonderland Utica East	56%	36%	8%	0%	0%	107
Sanitas Valley Trail	56%	32%	11%	1%	0%	103
South Boulder Creek Community Center	63%	31%	4%	2%	0%	97
Wonderland Trail Poplar Ave	52%	36%	9%	2%	1%	90
South Boulder Creek Marshall	61%	32%	7%	0%	0%	82
Settlers Trailhead West	51%	37%	10%	1%	0%	78
Flatirons Vista Trailhead	70%	25%	3%	1%	0%	71
South Mesa Trailhead	51%	46%	3%	0%	0%	70
Foothills Trail Dog Park	55%	36%	4%	3%	1%	67
Marshall Mesa - Coal Seam	48%	42%	6%	4%	0%	50
BVR Trailhead South	62%	33%	4%	0%	0%	45
Dry Creek Trailhead	52%	39%	5%	5%	0%	44
Cottonwood Trail Jay Rd	56%	34%	7%	0%	2%	41
Doudy Draw Trailhead	59%	37%	2%	2%	0%	41
Fourmile Trailhead	51%	36%	10%	0%	3%	39
Skunk Canyon Trail Table Mesa	53%	32%	13%	3%	0%	38
Gregory Canyon	59%	38%	3%	0%	0%	37
Baseline Trail	41%	50%	9%	0%	0%	32
Foothills Trail Near Hogback Trail	59%	33%	7%	0%	0%	27
South Boulder Creek Trail Broadway	73%	19%	4%	0%	4%	26
Bobolink Trailhead	71%	25%	4%	0%	0%	24
Shananhan Greenbriar Galena	71%	29%	0%	0%	0%	24
Foothills Trail Locust Av	55%	40%	5%	0%	0%	20
North Fork Shanahan	50%	31%	19%	0%	0%	16
Foothills Trail Near US 36	29%	57%	14%	0%	0%	14
Cottonwood Trail Independence Rd South	92%	8%	0%	0%	0%	13
Four Pines Entrance	62%	23%	15%	0%	0%	13
Green Mountain West Ridge Trail	85%	15%	0%	0%	0%	13
Greenbelt Plateau Trailhead	62%	31%	8%	0%	0%	13
Skunk Canyon Trail	67%	25%	0%	8%	0%	12
Community Ditch East	73%	18%	9%	0%	0%	11
NCAR Trail	36%	64%	0%	0%	0%	11
Teller Farm South Trailhead	73%	27%	0%	0%	0%	11
East Boulder Trail Valmont	80%	10%	0%	10%	0%	10
Foothills Trail NoBo Park	56%	22%	11%	11%	0%	9
NOAA spur off Dartmouth	56%	33%	11%	0%	0%	9
Centennial Sanitas Connector	50%	25%	13%	0%	13%	8
Sawhill Walden East	63%	25%	13%	0%	0%	8
South Boulder Creek Van Vleet	38%	50%	0%	13%	0%	8
Amphitheater Trail	43%	29%	29%	0%	0%	7
Cottontail East Subdivision	29%	57%	14%	0%	0%	7

Location	A	B	C	D	F	# of surveys
East Boulder Trail Heatherwood	100%	0%	0%	0%	0%	7
Upper Crown Rock	43%	29%	29%	0%	0%	7
Upper Crown Rock Road Pulloff	86%	14%	0%	0%	0%	7
Wonderland Lake Trailhead	71%	29%	0%	0%	0%	7
Cottontail Trail South	67%	33%	0%	0%	0%	6
Four Pines Upper	67%	17%	17%	0%	0%	6
North Rim Trail	17%	83%	0%	0%	0%	6
Sanitas Hawthorne Trail	17%	50%	17%	17%	0%	6
BVR Trailhead North	100%	0%	0%	0%	0%	5
Chautauqua - W Baseline Trail	80%	0%	20%	0%	0%	5
Flagstaff Amphitheater	80%	20%	0%	0%	0%	5
Lefthand Trailhead	60%	20%	20%	0%	0%	5
Ranger Trail	40%	60%	0%	0%	0%	5
6th Street Access	25%	50%	25%	0%	0%	4
Contact Corner	100%	0%	0%	0%	0%	4
Heatherwood Wood Brothers East	75%	25%	0%	0%	0%	4
Sawhill Entrance West	100%	0%	0%	0%	0%	4
Sombrero SW	50%	50%	0%	0%	0%	4
View Point Trail North	75%	25%	0%	0%	0%	4
Chautauqua - 8th St	33%	67%	0%	0%	0%	3
Colorado Open Lands North	100%	0%	0%	0%	0%	3
Degge Trail	67%	33%	0%	0%	0%	3
Greenbriar Undesignated	33%	67%	0%	0%	0%	3
Lower Bear Canyon Trail	33%	67%	0%	0%	0%	3
Marshall Mesa Trailhead	67%	33%	0%	0%	0%	3
68th Whaley Dr	0%	0%	100%	0%	0%	2
Buckingham Southwest	50%	50%	0%	0%	0%	2
Cottonwood Trail Independence Rd North	100%	0%	0%	0%	0%	2
East Boulder Trail White Rocks	50%	0%	50%	0%	0%	2
Flagstaff Amphitheater South	100%	0%	0%	0%	0%	2
Flagstaff Trail East	0%	100%	0%	0%	0%	2
Foothills Rosewood Av	100%	0%	0%	0%	0%	2
Foothills Trail Locust Pl	0%	100%	0%	0%	0%	2
Gunbarrel - 79th	50%	50%	0%	0%	0%	2
Settlers Trailhead East	0%	100%	0%	0%	0%	2
Steinbach Continental View	0%	50%	50%	0%	0%	2
Ute Trail	0%	50%	50%	0%	0%	2
View Point Trail South	0%	100%	0%	0%	0%	2
Boulder Creek Path Valmont Industrial Park North	100%	0%	0%	0%	0%	1
Buckingham South	100%	0%	0%	0%	0%	1
Heatherwood Cambridge St	0%	100%	0%	0%	0%	1
Lower Crown Rock	100%	0%	0%	0%	0%	1
Sanitas Pinebrook Connector	0%	100%	0%	0%	0%	1
Sombrero SE	0%	100%	0%	0%	0%	1
Steinbach Niland	100%	0%	0%	0%	0%	1
Wonderland - Poplar pocket park	100%	0%	0%	0%	0%	1

Table G5. Ratings for enforcement of rules by survey location.

Location	A	B	C	D	F	# of surveys
68th Whaley Dr	0%	0%	0%	100%	0%	1
6th Street Access	0%	100%	0%	0%	0%	3
Amphitheater Trail	57%	0%	43%	0%	0%	7
Baseline Trail	42%	35%	23%	0%	0%	26
Bluebell Road	49%	32%	13%	5%	2%	215
Bobolink Trailhead	70%	20%	10%	0%	0%	20
Buckingham South	100%	0%	0%	0%	0%	1
Buckingham Southwest	50%	50%	0%	0%	0%	2
BVR Trailhead North	40%	40%	20%	0%	0%	5
BVR Trailhead South	49%	41%	8%	3%	0%	37
Centennial Sanitas Connector	20%	20%	40%	0%	20%	5
Chautauqua - 8th St	0%	50%	50%	0%	0%	2
Chautauqua - W Baseline Trail	67%	33%	0%	0%	0%	3
Chautauqua Trail	43%	39%	13%	3%	2%	181
Colorado Open Lands North	67%	33%	0%	0%	0%	3
Community Ditch East	50%	40%	0%	0%	10%	10
Contact Corner	67%	33%	0%	0%	0%	3
Cottontail East Subdivision	40%	40%	0%	0%	20%	5
Cottontail Trail South	67%	0%	33%	0%	0%	3
Cottonwood Trail Independence Rd North	100%	0%	0%	0%	0%	2
Cottonwood Trail Independence Rd South	60%	30%	0%	10%	0%	10
Cottonwood Trail Jay Rd	18%	29%	41%	12%	0%	34
Degge Trail	0%	100%	0%	0%	0%	3
Doudy Draw Trailhead	35%	53%	12%	0%	0%	34
Dry Creek Trailhead	50%	29%	21%	0%	0%	34
East Boulder Trail Valmont	50%	25%	13%	0%	13%	8
East Boulder Trail Heatherwood	25%	25%	50%	0%	0%	4
East Boulder Trail White Rocks	100%	0%	0%	0%	0%	1
Enchanted Mesa Trail	52%	27%	15%	4%	1%	71
Flagstaff Amphitheater	75%	25%	0%	0%	0%	4
Flagstaff Amphitheater South	100%	0%	0%	0%	0%	1
Flagstaff Trail East	0%	100%	0%	0%	0%	2
Flatirons Vista Trailhead	53%	29%	16%	2%	0%	55
Foothills Rosewood Av	100%	0%	0%	0%	0%	2
Foothills Trail Dog Park	37%	31%	27%	2%	2%	51
Foothills Trail Locust Av	27%	40%	20%	13%	0%	15
Foothills Trail Locust Pl	50%	50%	0%	0%	0%	2
Foothills Trail Near Hogback Trail	25%	54%	13%	8%	0%	24
Foothills Trail Near US 36	50%	42%	8%	0%	0%	12
Foothills Trail NoBo Park	50%	25%	25%	0%	0%	8
Four Pines Entrance	27%	45%	27%	0%	0%	11
Four Pines Upper	40%	40%	20%	0%	0%	5
Fourmile Trailhead	23%	30%	27%	17%	3%	30
Green Mountain West Ridge Trail	86%	14%	0%	0%	0%	7
Greenbelt Plateau Trailhead	50%	20%	20%	10%	0%	10

Location	A	B	C	D	F	# of surveys
Gregory Canyon	43%	33%	13%	10%	0%	30
Gunbarrel - 79th	100%	0%	0%	0%	0%	1
Heatherwood Cambridge St	0%	100%	0%	0%	0%	1
Heatherwood Wood Brothers East	0%	67%	33%	0%	0%	3
Lefthand Trailhead	75%	0%	25%	0%	0%	4
Lower Bear Canyon Trail	67%	33%	0%	0%	0%	3
Lower Crown Rock	0%	100%	0%	0%	0%	1
Marshall Mesa - Coal Seam	48%	38%	10%	3%	3%	40
Marshall Mesa Trailhead	100%	0%	0%	0%	0%	3
Mount Sanitas Trail	38%	39%	17%	5%	1%	170
NCAR Trail	25%	50%	25%	0%	0%	8
NOAA spur off Dartmouth	75%	25%	0%	0%	0%	4
North Fork Shanahan	31%	46%	23%	0%	0%	13
North Rim Trail	50%	17%	17%	17%	0%	6
Ranger Trail	0%	0%	50%	50%	0%	2
Sanitas Hawthorne Trail	50%	25%	0%	25%	0%	4
Sanitas Valley Trail	51%	34%	7%	7%	1%	76
Sawhill Entrance West	33%	33%	0%	0%	33%	3
Sawhill Walden East	60%	20%	20%	0%	0%	5
Settlers Trailhead East	0%	0%	100%	0%	0%	1
Settlers Trailhead West	49%	37%	10%	2%	2%	59
Shanahan Greenbriar Galena	45%	30%	15%	5%	5%	20
Skunk Canyon Trail	44%	33%	22%	0%	0%	9
Skunk Canyon Trail Table Mesa	48%	20%	20%	12%	0%	25
Sombrero SE	0%	100%	0%	0%	0%	1
Sombrero SW	50%	50%	0%	0%	0%	2
South Boulder Creek Community Center	42%	36%	13%	8%	1%	78
South Boulder Creek Marshall	36%	31%	25%	7%	0%	67
South Boulder Creek Trail Broadway	43%	17%	30%	9%	0%	23
South Boulder Creek Van Vleet	0%	100%	0%	0%	0%	5
South Mesa Trailhead	54%	38%	7%	2%	0%	56
Steinbach Niland	100%	0%	0%	0%	0%	1
Teller Farm South Trailhead	89%	0%	0%	11%	0%	9
Upper Crown Rock	43%	43%	0%	14%	0%	7
Upper Crown Rock Road Pulloff	71%	14%	14%	0%	0%	7
Ute Trail	0%	100%	0%	0%	0%	1
View Point Trail North	100%	0%	0%	0%	0%	2
Wonderland - Poplar pocket park	100%	0%	0%	0%	0%	1
Wonderland Lake Trailhead	40%	40%	20%	0%	0%	5
Wonderland Trail Poplar Ave	32%	36%	21%	7%	4%	72
Wonderland Utica East	38%	40%	15%	4%	2%	91

Table G6. Ratings for ability to access your destination by survey location.

Location	A	B	C	D	F	# of surveys
Bluebell Road	77%	19%	3%	1%	0%	281
Chautauqua Trail	74%	21%	4%	1%	0%	244
Mount Sanitas Trail	79%	17%	4%	0%	0%	224
Wonderland Utica East	78%	19%	3%	0%	0%	110
Enchanted Mesa Trail	71%	25%	4%	0%	0%	103
Sanitas Valley Trail	71%	26%	3%	0%	0%	103
South Boulder Creek Community Center	70%	24%	3%	1%	1%	94
Wonderland Trail Poplar Ave	74%	22%	4%	0%	0%	91
South Boulder Creek Marshall	74%	19%	5%	1%	1%	81
Settlers Trailhead West	85%	14%	1%	0%	0%	78
South Mesa Trailhead	80%	17%	3%	0%	0%	69
Flatirons Vista Trailhead	81%	16%	1%	1%	0%	68
Foothills Trail Dog Park	81%	18%	0%	1%	0%	67
Marshall Mesa - Coal Seam	68%	26%	6%	0%	0%	50
BVR Trailhead South	73%	24%	2%	0%	0%	45
Dry Creek Trailhead	72%	23%	2%	2%	0%	43
Doudy Draw Trailhead	67%	26%	2%	2%	2%	42
Cottonwood Trail Jay Rd	61%	34%	5%	0%	0%	41
Fourmile Trailhead	92%	8%	0%	0%	0%	38
Gregory Canyon	78%	16%	3%	3%	0%	37
Skunk Canyon Trail Table Mesa	83%	17%	0%	0%	0%	36
Baseline Trail	68%	26%	3%	3%	0%	34
Foothills Trail Near Hogback Trail	68%	29%	4%	0%	0%	28
Bobolink Trailhead	75%	25%	0%	0%	0%	24
South Boulder Creek Trail Broadway	88%	8%	0%	4%	0%	24
Shananhan Greenbriar Galena	96%	4%	0%	0%	0%	23
Foothills Trail Locust Av	90%	10%	0%	0%	0%	20
North Fork Shanahan	69%	31%	0%	0%	0%	16
Greenbelt Plateau Trailhead	93%	7%	0%	0%	0%	15
Foothills Trail Near US 36	79%	21%	0%	0%	0%	14
Cottonwood Trail Independence Rd South	92%	8%	0%	0%	0%	13
Four Pines Entrance	69%	31%	0%	0%	0%	13
Green Mountain West Ridge Trail	85%	15%	0%	0%	0%	13
Skunk Canyon Trail	67%	33%	0%	0%	0%	12
Community Ditch East	82%	9%	0%	0%	9%	11
NCAR Trail	64%	36%	0%	0%	0%	11
Teller Farm South Trailhead	91%	0%	9%	0%	0%	11
East Boulder Trail Valmont	90%	0%	0%	10%	0%	10
Foothills Trail NoBo Park	78%	11%	11%	0%	0%	9
Centennial Sanitas Connector	88%	13%	0%	0%	0%	8
Four Pines Upper	88%	13%	0%	0%	0%	8
NOAA spur off Dartmouth	63%	38%	0%	0%	0%	8
Sawhill Walden East	88%	13%	0%	0%	0%	8
South Boulder Creek Van Vleet	75%	13%	13%	0%	0%	8
Cottontail East Subdivision	43%	43%	14%	0%	0%	7

Location	A	B	C	D	F	# of surveys
East Boulder Trail Heatherwood	86%	14%	0%	0%	0%	7
North Rim Trail	71%	29%	0%	0%	0%	7
Upper Crown Rock	43%	29%	14%	14%	0%	7
Upper Crown Rock Road Pulloff	86%	14%	0%	0%	0%	7
Wonderland Lake Trailhead	100%	0%	0%	0%	0%	7
Amphitheater Trail	50%	33%	17%	0%	0%	6
Cottontail Trail South	83%	17%	0%	0%	0%	6
Sanitas Hawthorne Trail	33%	67%	0%	0%	0%	6
6th Street Access	60%	40%	0%	0%	0%	5
BVR Trailhead North	80%	20%	0%	0%	0%	5
Flagstaff Amphitheater	100%	0%	0%	0%	0%	5
Lefthand Trailhead	80%	20%	0%	0%	0%	5
Ranger Trail	40%	60%	0%	0%	0%	5
Sombrero SW	80%	20%	0%	0%	0%	5
Chautauqua - W Baseline Trail	100%	0%	0%	0%	0%	4
Contact Corner	75%	25%	0%	0%	0%	4
Heatherwood Wood Brothers East	75%	25%	0%	0%	0%	4
Sawhill Entrance West	100%	0%	0%	0%	0%	4
View Point Trail North	100%	0%	0%	0%	0%	4
Chautauqua - 8th St	33%	67%	0%	0%	0%	3
Colorado Open Lands North	67%	33%	0%	0%	0%	3
Degge Trail	67%	33%	0%	0%	0%	3
Greenbriar Undesignated	67%	33%	0%	0%	0%	3
Lower Bear Canyon Trail	100%	0%	0%	0%	0%	3
Marshall Mesa Trailhead	100%	0%	0%	0%	0%	3
68th Whaley Dr	50%	0%	0%	50%	0%	2
Cottonwood Trail Independence Rd North	100%	0%	0%	0%	0%	2
East Boulder Trail White Rocks	50%	50%	0%	0%	0%	2
Flagstaff Amphitheater South	100%	0%	0%	0%	0%	2
Flagstaff Trail East	100%	0%	0%	0%	0%	2
Foothills Rosewood Av	100%	0%	0%	0%	0%	2
Foothills Trail Locust Pl	0%	100%	0%	0%	0%	2
Gunbarrel - 79th	100%	0%	0%	0%	0%	2
Settlers Trailhead East	100%	0%	0%	0%	0%	2
Steinbach Continental View	100%	0%	0%	0%	0%	2
Ute Trail	100%	0%	0%	0%	0%	2
View Point Trail South	100%	0%	0%	0%	0%	2
Boulder Creek Path Valmont Industrial Park North	100%	0%	0%	0%	0%	1
Buckingham South	100%	0%	0%	0%	0%	1
Buckingham Southwest	0%	100%	0%	0%	0%	1
Heatherwood Cambridge St	0%	100%	0%	0%	0%	1
Lower Crown Rock	100%	0%	0%	0%	0%	1
Sanitas Pinebrook Connector	0%	100%	0%	0%	0%	1
Sombrero SE	100%	0%	0%	0%	0%	1
Steinbach Niland	100%	0%	0%	0%	0%	1
Wonderland - Poplar pocket park	100%	0%	0%	0%	0%	1

Table G7. Ratings for trailhead and nature education by survey location.

Location	A	B	C	D	F	# of surveys
Bluebell Road	61%	27%	11%	1%	0%	233
Chautauqua Trail	55%	27%	15%	3%	0%	212
Mount Sanitas Trail	48%	37%	14%	1%	0%	183
Wonderland Utica East	55%	28%	16%	1%	0%	88
Sanitas Valley Trail	41%	43%	15%	1%	0%	87
Enchanted Mesa Trail	51%	33%	13%	4%	0%	85
South Boulder Creek Community Center	45%	40%	13%	1%	0%	82
Settlers Trailhead West	42%	37%	18%	3%	0%	73
Wonderland Trail Poplar Ave	42%	48%	8%	1%	0%	73
Flatirons Vista Trailhead	52%	33%	14%	2%	0%	66
South Mesa Trailhead	56%	33%	9%	2%	0%	64
South Boulder Creek Marshall	48%	34%	18%	0%	0%	62
Foothills Trail Dog Park	53%	35%	12%	0%	0%	51
Marshall Mesa - Coal Seam	60%	29%	11%	0%	0%	45
Doudy Draw Trailhead	44%	38%	18%	0%	0%	39
BVR Trailhead South	33%	44%	19%	3%	0%	36
Dry Creek Trailhead	54%	29%	14%	3%	0%	35
Cottonwood Trail Jay Rd	27%	52%	21%	0%	0%	33
Fourmile Trailhead	42%	45%	12%	0%	0%	33
Gregory Canyon	52%	24%	21%	0%	3%	29
Baseline Trail	64%	32%	0%	4%	0%	28
Skunk Canyon Trail Table Mesa	46%	35%	19%	0%	0%	26
Bobolink Trailhead	65%	22%	9%	4%	0%	23
Foothills Trail Near Hogback Trail	41%	45%	14%	0%	0%	22
South Boulder Creek Trail Broadway	55%	30%	10%	5%	0%	20
Shananhan Greenbriar Galena	56%	17%	28%	0%	0%	18
Foothills Trail Locust Av	31%	31%	31%	6%	0%	16
Greenbelt Plateau Trailhead	53%	27%	20%	0%	0%	15
North Fork Shanahan	36%	50%	7%	7%	0%	14
Foothills Trail Near US 36	38%	46%	15%	0%	0%	13
Four Pines Entrance	58%	25%	17%	0%	0%	12
Green Mountain West Ridge Trail	83%	8%	8%	0%	0%	12
Community Ditch East	55%	36%	9%	0%	0%	11
Cottonwood Trail Independence Rd South	64%	18%	18%	0%	0%	11
Teller Farm South Trailhead	45%	36%	18%	0%	0%	11
Skunk Canyon Trail	40%	30%	20%	10%	0%	10
East Boulder Trail Valmont	67%	22%	11%	0%	0%	9
NCAR Trail	56%	33%	11%	0%	0%	9
Foothills Trail NoBo Park	38%	63%	0%	0%	0%	8
Centennial Sanitas Connector	71%	14%	14%	0%	0%	7
East Boulder Trail Heatherwood	57%	43%	0%	0%	0%	7
NOAA spur off Dartmouth	33%	50%	17%	0%	0%	6
Sanitas Hawthorne Trail	50%	33%	17%	0%	0%	6
Sawhill Walden East	50%	17%	33%	0%	0%	6

Location	A	B	C	D	F	# of surveys
South Boulder Creek Van Vleet	50%	33%	17%	0%	0%	6
Upper Crown Rock	0%	67%	33%	0%	0%	6
Upper Crown Rock Road Pulloff	33%	67%	0%	0%	0%	6
Wonderland Lake Trailhead	67%	33%	0%	0%	0%	6
Amphitheater Trail	40%	20%	40%	0%	0%	5
BVR Trailhead North	60%	40%	0%	0%	0%	5
Cottontail Trail South	80%	0%	20%	0%	0%	5
Four Pines Upper	20%	60%	20%	0%	0%	5
North Rim Trail	60%	40%	0%	0%	0%	5
6th Street Access	25%	50%	25%	0%	0%	4
Contact Corner	25%	75%	0%	0%	0%	4
Cottontail East Subdivision	50%	0%	50%	0%	0%	4
Flagstaff Amphitheater	75%	0%	25%	0%	0%	4
Lefthand Trailhead	50%	50%	0%	0%	0%	4
Ranger Trail	25%	50%	25%	0%	0%	4
Sawhill Entrance West	25%	75%	0%	0%	0%	4
Chautauqua - W Baseline Trail	67%	33%	0%	0%	0%	3
Degge Trail	33%	67%	0%	0%	0%	3
Heatherwood Wood Brothers East	100%	0%	0%	0%	0%	3
Marshall Mesa Trailhead	33%	67%	0%	0%	0%	3
View Point Trail North	67%	33%	0%	0%	0%	3
Buckingham Southwest	0%	50%	50%	0%	0%	2
Chautauqua - 8th St	50%	50%	0%	0%	0%	2
Colorado Open Lands North	0%	50%	50%	0%	0%	2
East Boulder Trail White Rocks	100%	0%	0%	0%	0%	2
Flagstaff Amphitheater South	100%	0%	0%	0%	0%	2
Greenbriar Undesignated	50%	50%	0%	0%	0%	2
Lower Bear Canyon Trail	50%	50%	0%	0%	0%	2
Settlers Trailhead East	0%	100%	0%	0%	0%	2
Sombrero SW	50%	50%	0%	0%	0%	2
Steinbach Continental View	0%	50%	50%	0%	0%	2
Ute Trail	0%	100%	0%	0%	0%	2
View Point Trail South	0%	50%	50%	0%	0%	2
68th Whaley Dr	0%	100%	0%	0%	0%	1
Boulder Creek Path Valmont Industrial Park North	0%	100%	0%	0%	0%	1
Buckingham South	0%	100%	0%	0%	0%	1
Cottonwood Trail Independence Rd North	100%	0%	0%	0%	0%	1
Flagstaff Trail East	0%	0%	100%	0%	0%	1
Foothills Trail Locust Pl	0%	100%	0%	0%	0%	1
Gunbarrel - 79th	100%	0%	0%	0%	0%	1
Heatherwood Cambridge St	0%	100%	0%	0%	0%	1
Lower Crown Rock	0%	100%	0%	0%	0%	1
Sanitas Pinebrook Connector	0%	100%	0%	0%	0%	1
Steinbach Niland	0%	0%	100%	0%	0%	1
Wonderland - Poplar pocket park	0%	100%	0%	0%	0%	1

Table G8. Ratings for trash cans and bag dispensers by survey location.

Location	A	B	C	D	F	# of surveys
Bluebell Road	56%	33%	8%	3%	0%	267
Chautauqua Trail	47%	31%	15%	5%	1%	223
Mount Sanitas Trail	55%	29%	11%	3%	1%	205
Wonderland Utica East	57%	22%	19%	1%	0%	108
Sanitas Valley Trail	48%	39%	9%	2%	1%	95
Enchanted Mesa Trail	44%	31%	19%	3%	3%	91
South Boulder Creek Community Center	49%	34%	14%	2%	0%	90
Wonderland Trail Poplar Ave	60%	27%	12%	1%	0%	84
Settlers Trailhead West	47%	31%	10%	4%	8%	72
South Boulder Creek Marshall	44%	40%	14%	1%	0%	70
Flatirons Vista Trailhead	48%	38%	11%	3%	0%	66
South Mesa Trailhead	54%	34%	9%	3%	0%	65
Foothills Trail Dog Park	63%	32%	5%	0%	0%	59
Marshall Mesa - Coal Seam	65%	27%	8%	0%	0%	49
BVR Trailhead South	57%	33%	10%	0%	0%	42
Dry Creek Trailhead	50%	40%	10%	0%	0%	42
Doudy Draw Trailhead	43%	45%	13%	0%	0%	40
Cottonwood Trail Jay Rd	28%	28%	31%	14%	0%	36
Fourmile Trailhead	56%	32%	9%	3%	0%	34
Gregory Canyon	61%	21%	12%	6%	0%	33
Baseline Trail	53%	37%	7%	0%	3%	30
Skunk Canyon Trail Table Mesa	39%	25%	21%	7%	7%	28
Foothills Trail Near Hogback Trail	56%	33%	11%	0%	0%	27
South Boulder Creek Trail Broadway	52%	16%	24%	8%	0%	25
Bobolink Trailhead	58%	33%	8%	0%	0%	24
Shananhan Greenbriar Galena	70%	22%	4%	4%	0%	23
Foothills Trail Locust Av	47%	35%	12%	6%	0%	17
North Fork Shanahan	47%	47%	7%	0%	0%	15
Foothills Trail Near US 36	43%	57%	0%	0%	0%	14
Greenbelt Plateau Trailhead	79%	14%	7%	0%	0%	14
Four Pines Entrance	69%	23%	0%	8%	0%	13
Cottonwood Trail Independence Rd South	42%	25%	33%	0%	0%	12
Community Ditch East	45%	36%	18%	0%	0%	11
Teller Farm South Trailhead	64%	27%	9%	0%	0%	11
East Boulder Trail Valmont	70%	20%	10%	0%	0%	10
Green Mountain West Ridge Trail	50%	10%	20%	0%	20%	10
Foothills Trail NoBo Park	89%	11%	0%	0%	0%	9
Skunk Canyon Trail	33%	44%	11%	11%	0%	9
NCAR Trail	13%	50%	25%	13%	0%	8
Amphitheater Trail	57%	14%	29%	0%	0%	7
Centennial Sanitas Connector	71%	29%	0%	0%	0%	7
East Boulder Trail Heatherwood	57%	43%	0%	0%	0%	7
Sawhill Walden East	71%	14%	14%	0%	0%	7
South Boulder Creek Van Vleet	43%	57%	0%	0%	0%	7
Upper Crown Rock Road Pulloff	29%	57%	14%	0%	0%	7

Location	A	B	C	D	F	# of surveys
Cottontail East Subdivision	17%	50%	33%	0%	0%	6
Flagstaff Amphitheater	83%	17%	0%	0%	0%	6
Four Pines Upper	17%	67%	17%	0%	0%	6
NOAA spur off Dartmouth	50%	33%	0%	17%	0%	6
Sanitas Hawthorne Trail	17%	67%	17%	0%	0%	6
Upper Crown Rock	33%	33%	33%	0%	0%	6
Wonderland Lake Trailhead	67%	17%	17%	0%	0%	6
BVR Trailhead North	40%	40%	20%	0%	0%	5
Cottontail Trail South	60%	20%	20%	0%	0%	5
North Rim Trail	80%	20%	0%	0%	0%	5
6th Street Access	0%	100%	0%	0%	0%	4
Chautauqua - W Baseline Trail	50%	25%	0%	25%	0%	4
Contact Corner	75%	0%	25%	0%	0%	4
Heatherwood Wood Brothers East	25%	25%	25%	25%	0%	4
Lefthand Trailhead	75%	25%	0%	0%	0%	4
Ranger Trail	50%	50%	0%	0%	0%	4
Sawhill Entrance West	75%	25%	0%	0%	0%	4
Sombrero SW	0%	25%	75%	0%	0%	4
View Point Trail North	50%	50%	0%	0%	0%	4
Greenbriar Undesignated	100%	0%	0%	0%	0%	3
Lower Bear Canyon Trail	33%	67%	0%	0%	0%	3
Marshall Mesa Trailhead	67%	0%	0%	33%	0%	3
Buckingham Southwest	50%	50%	0%	0%	0%	2
Cottonwood Trail Independence Rd North	0%	50%	50%	0%	0%	2
Degge Trail	50%	50%	0%	0%	0%	2
Flagstaff Amphitheater South	100%	0%	0%	0%	0%	2
Flagstaff Trail East	100%	0%	0%	0%	0%	2
Foothills Trail Locust Pl	0%	0%	100%	0%	0%	2
Settlers Trailhead East	0%	100%	0%	0%	0%	2
Steinbach Continental View	0%	50%	50%	0%	0%	2
68th Whaley Dr	0%	100%	0%	0%	0%	1
Boulder Creek Path Valmont Industrial Park North	0%	100%	0%	0%	0%	1
Buckingham South	100%	0%	0%	0%	0%	1
Chautauqua - 8th St	0%	100%	0%	0%	0%	1
Colorado Open Lands North	0%	0%	0%	100%	0%	1
East Boulder Trail White Rocks	100%	0%	0%	0%	0%	1
Foothills Rosewood Av	0%	0%	100%	0%	0%	1
Heatherwood Cambridge St	0%	100%	0%	0%	0%	1
Lower Crown Rock	0%	100%	0%	0%	0%	1
Sanitas Pinebrook Connector	0%	0%	0%	100%	0%	1
Sombrero SE	0%	0%	100%	0%	0%	1
Steinbach Niland	0%	100%	0%	0%	0%	1
Ute Trail	0%	100%	0%	0%	0%	1
View Point Trail South	0%	0%	100%	0%	0%	1
Wonderland - Poplar pocket park	0%	0%	100%	0%	0%	1

Table G9. Ratings for overall satisfaction with OSMP by survey location.

Location	A	B	C	D	F	# of surveys
Bluebell Road	79%	18%	2%	0%	0%	283
Chautauqua Trail	74%	22%	3%	1%	0%	251
Mount Sanitas Trail	69%	30%	1%	0%	0%	224
Wonderland Utica East	67%	31%	3%	0%	0%	111
Enchanted Mesa Trail	70%	28%	2%	0%	0%	105
Sanitas Valley Trail	75%	22%	2%	0%	1%	103
South Boulder Creek Community Center	69%	28%	0%	2%	1%	97
Wonderland Trail Poplar Ave	62%	33%	5%	0%	0%	91
South Boulder Creek Marshall	65%	29%	5%	1%	0%	80
Settlers Trailhead West	78%	22%	0%	0%	0%	79
South Mesa Trailhead	80%	20%	0%	0%	0%	75
Flatirons Vista Trailhead	73%	24%	1%	0%	1%	74
Foothills Trail Dog Park	73%	25%	0%	2%	0%	64
Marshall Mesa - Coal Seam	73%	25%	2%	0%	0%	52
BVR Trailhead South	73%	22%	4%	0%	0%	45
Doudy Draw Trailhead	71%	24%	2%	2%	0%	42
Dry Creek Trailhead	64%	36%	0%	0%	0%	42
Cottonwood Trail Jay Rd	55%	38%	8%	0%	0%	40
Fourmile Trailhead	64%	33%	3%	0%	0%	39
Gregory Canyon	70%	24%	3%	0%	3%	37
Skunk Canyon Trail Table Mesa	68%	30%	3%	0%	0%	37
Baseline Trail	74%	18%	6%	3%	0%	34
Foothills Trail Near Hogback Trail	75%	21%	4%	0%	0%	28
Bobolink Trailhead	72%	28%	0%	0%	0%	25
South Boulder Creek Trail Broadway	76%	20%	4%	0%	0%	25
Shananhan Greenbriar Galena	71%	25%	4%	0%	0%	24
Foothills Trail Locust Av	71%	29%	0%	0%	0%	21
North Fork Shanahan	63%	38%	0%	0%	0%	16
Foothills Trail Near US 36	64%	29%	7%	0%	0%	14
Greenbelt Plateau Trailhead	79%	14%	7%	0%	0%	14
Cottonwood Trail Independence Rd South	85%	15%	0%	0%	0%	13
Four Pines Entrance	77%	23%	0%	0%	0%	13
Green Mountain West Ridge Trail	85%	15%	0%	0%	0%	13
Skunk Canyon Trail	75%	17%	8%	0%	0%	12
NCAR Trail	55%	45%	0%	0%	0%	11
Community Ditch East	60%	30%	0%	0%	10%	10
East Boulder Trail Valmont	90%	10%	0%	0%	0%	10
Teller Farm South Trailhead	90%	10%	0%	0%	0%	10
Foothills Trail NoBo Park	78%	22%	0%	0%	0%	9
NOAA spur off Dartmouth	78%	11%	11%	0%	0%	9
Centennial Sanitas Connector	75%	13%	0%	0%	13%	8
Four Pines Upper	75%	25%	0%	0%	0%	8
Sawhill Walden East	63%	38%	0%	0%	0%	8
South Boulder Creek Van Vleet	50%	50%	0%	0%	0%	8
Amphitheater Trail	57%	43%	0%	0%	0%	7

Location	A	B	C	D	F	# of surveys
Cottontail East Subdivision	57%	43%	0%	0%	0%	7
East Boulder Trail Heatherwood	71%	29%	0%	0%	0%	7
North Rim Trail	57%	43%	0%	0%	0%	7
Upper Crown Rock	43%	57%	0%	0%	0%	7
Upper Crown Rock Road Pulloff	86%	14%	0%	0%	0%	7
Wonderland Lake Trailhead	71%	29%	0%	0%	0%	7
Cottontail Trail South	100%	0%	0%	0%	0%	6
Flagstaff Amphitheater	100%	0%	0%	0%	0%	6
Sanitas Hawthorne Trail	50%	50%	0%	0%	0%	6
6th Street Access	60%	40%	0%	0%	0%	5
BVR Trailhead North	100%	0%	0%	0%	0%	5
Chautauqua - W Baseline Trail	100%	0%	0%	0%	0%	5
Lefthand Trailhead	40%	40%	20%	0%	0%	5
Ranger Trail	80%	20%	0%	0%	0%	5
Sombrero SW	80%	20%	0%	0%	0%	5
Contact Corner	100%	0%	0%	0%	0%	4
Heatherwood Wood Brothers East	50%	50%	0%	0%	0%	4
Sawhill Entrance West	75%	0%	25%	0%	0%	4
View Point Trail North	75%	25%	0%	0%	0%	4
Chautauqua - 8th St	33%	67%	0%	0%	0%	3
Colorado Open Lands North	100%	0%	0%	0%	0%	3
Degge Trail	33%	67%	0%	0%	0%	3
Greenbriar Undesignated	100%	0%	0%	0%	0%	3
Lower Bear Canyon Trail	100%	0%	0%	0%	0%	3
Marshall Mesa Trailhead	67%	0%	33%	0%	0%	3
68th Whaley Dr	100%	0%	0%	0%	0%	2
Cottonwood Trail Independence Rd North	100%	0%	0%	0%	0%	2
East Boulder Trail White Rocks	50%	50%	0%	0%	0%	2
Flagstaff Amphitheater South	100%	0%	0%	0%	0%	2
Flagstaff Trail East	0%	100%	0%	0%	0%	2
Foothills Rosewood Av	100%	0%	0%	0%	0%	2
Foothills Trail Locust Pl	0%	100%	0%	0%	0%	2
Gunbarrel - 79th	100%	0%	0%	0%	0%	2
Settlers Trailhead East	100%	0%	0%	0%	0%	2
Steinbach Continental View	50%	50%	0%	0%	0%	2
Ute Trail	100%	0%	0%	0%	0%	2
View Point Trail South	100%	0%	0%	0%	0%	2
Boulder Creek Path Valmont Industrial Park North	100%	0%	0%	0%	0%	1
Buckingham South	100%	0%	0%	0%	0%	1
Buckingham Southwest	0%	100%	0%	0%	0%	1
Heatherwood Cambridge St	0%	100%	0%	0%	0%	1
Lower Crown Rock	100%	0%	0%	0%	0%	1
Sanitas Pinebrook Connector	100%	0%	0%	0%	0%	1
Sombrero SE	0%	100%	0%	0%	0%	1
Steinbach Niland	0%	100%	0%	0%	0%	1
Wonderland - Poplar pocket park	100%	0%	0%	0%	0%	1

Appendix H. Ratings for experience with visitor groups by survey location.

Table H1. Ratings for experience with hikers by survey location.

Location	A	B	C	D	F	# of surveys
Bluebell Road	82%	16%	1%	0%	0%	282
Chautauqua Trail	71%	26%	3%	0%	0%	251
Mount Sanitas Trail	73%	24%	2%	0%	0%	222
Wonderland Utica East	69%	26%	4%	0%	0%	114
Enchanted Mesa Trail	80%	18%	2%	0%	0%	102
Sanitas Valley Trail	81%	18%	1%	0%	0%	102
South Boulder Creek Community Center	76%	19%	4%	0%	0%	93
Wonderland Trail Poplar Ave	72%	26%	2%	0%	0%	86
South Boulder Creek Marshall	68%	28%	4%	0%	1%	80
Settlers Trailhead West	84%	16%	0%	0%	0%	75
South Mesa Trailhead	88%	9%	3%	0%	0%	75
Flatirons Vista Trailhead	81%	19%	0%	0%	0%	74
Foothills Trail Dog Park	85%	15%	0%	0%	0%	66
Marshall Mesa - Coal Seam	76%	24%	0%	0%	0%	49
BVR Trailhead South	67%	30%	2%	0%	0%	43
Dry Creek Trailhead	66%	32%	2%	0%	0%	41
Fourmile Trailhead	78%	23%	0%	0%	0%	40
Cottonwood Trail Jay Rd	64%	33%	3%	0%	0%	39
Doudy Draw Trailhead	79%	18%	3%	0%	0%	38
Gregory Canyon	89%	11%	0%	0%	0%	37
Skunk Canyon Trail Table Mesa	92%	5%	3%	0%	0%	37
Baseline Trail	76%	21%	0%	0%	3%	34
Foothills Trail Near Hogback Trail	82%	18%	0%	0%	0%	28
Bobolink Trailhead	80%	16%	4%	0%	0%	25
South Boulder Creek Trail Broadway	88%	8%	4%	0%	0%	25
Shananhan Greenbriar Galena	96%	4%	0%	0%	0%	24
Foothills Trail Locust Av	88%	12%	0%	0%	0%	17
North Fork Shanahan	69%	31%	0%	0%	0%	16
Foothills Trail Near US 36	57%	43%	0%	0%	0%	14
Greenbelt Plateau Trailhead	86%	14%	0%	0%	0%	14
Four Pines Entrance	92%	8%	0%	0%	0%	13
Green Mountain West Ridge Trail	100%	0%	0%	0%	0%	13
Cottonwood Trail Independence Rd South	92%	8%	0%	0%	0%	12
Skunk Canyon Trail	92%	8%	0%	0%	0%	12
NCAR Trail	91%	9%	0%	0%	0%	11
Teller Farm South Trailhead	64%	27%	0%	0%	9%	11
Community Ditch East	70%	10%	20%	0%	0%	10
East Boulder Trail Valmont	90%	10%	0%	0%	0%	10
Centennial Sanitas Connector	89%	11%	0%	0%	0%	9
Foothills Trail NoBo Park	75%	25%	0%	0%	0%	8
Four Pines Upper	100%	0%	0%	0%	0%	8
Sawhill Walden East	75%	25%	0%	0%	0%	8
Upper Crown Rock	63%	25%	13%	0%	0%	8

Location	A	B	C	D	F	# of surveys
Amphitheater Trail	71%	29%	0%	0%	0%	7
Cottontail East Subdivision	71%	29%	0%	0%	0%	7
East Boulder Trail Heatherwood	100%	0%	0%	0%	0%	7
NOAA spur off Dartmouth	43%	57%	0%	0%	0%	7
North Rim Trail	71%	29%	0%	0%	0%	7
Upper Crown Rock Road Pulloff	71%	14%	14%	0%	0%	7
Wonderland Lake Trailhead	86%	14%	0%	0%	0%	7
Cottontail Trail South	100%	0%	0%	0%	0%	6
Sanitas Hawthorne Trail	83%	17%	0%	0%	0%	6
South Boulder Creek Van Vleet	33%	50%	17%	0%	0%	6
6th Street Access	80%	20%	0%	0%	0%	5
BVR Trailhead North	60%	40%	0%	0%	0%	5
Chautauqua - W Baseline Trail	100%	0%	0%	0%	0%	5
Lefthand Trailhead	60%	40%	0%	0%	0%	5
Ranger Trail	80%	20%	0%	0%	0%	5
Contact Corner	75%	25%	0%	0%	0%	4
Heatherwood Wood Brothers East	75%	25%	0%	0%	0%	4
Sawhill Entrance West	75%	25%	0%	0%	0%	4
Sombrero SW	100%	0%	0%	0%	0%	4
View Point Trail North	50%	25%	25%	0%	0%	4
Chautauqua - 8th St	67%	33%	0%	0%	0%	3
Degge Trail	33%	67%	0%	0%	0%	3
Flagstaff Amphitheater	100%	0%	0%	0%	0%	3
Greenbriar Undesignated	100%	0%	0%	0%	0%	3
Lower Bear Canyon Trail	100%	0%	0%	0%	0%	3
Marshall Mesa Trailhead	100%	0%	0%	0%	0%	3
Buckingham Southwest	100%	0%	0%	0%	0%	2
Colorado Open Lands North	100%	0%	0%	0%	0%	2
Cottonwood Trail Independence Rd North	100%	0%	0%	0%	0%	2
Flagstaff Trail East	100%	0%	0%	0%	0%	2
Foothills Rosewood Av	100%	0%	0%	0%	0%	2
Foothills Trail Locust Pl	100%	0%	0%	0%	0%	2
Gunbarrel - 79th	100%	0%	0%	0%	0%	2
Settlers Trailhead East	100%	0%	0%	0%	0%	2
Steinbach Continental View	100%	0%	0%	0%	0%	2
Ute Trail	100%	0%	0%	0%	0%	2
View Point Trail South	100%	0%	0%	0%	0%	2
68th Whaley Dr	100%	0%	0%	0%	0%	1
Boulder Creek Path Valmont Industrial Park North	100%	0%	0%	0%	0%	1
Buckingham South	100%	0%	0%	0%	0%	1
East Boulder Trail White Rocks	100%	0%	0%	0%	0%	1
Flagstaff Amphitheater South	100%	0%	0%	0%	0%	1
Heatherwood Cambridge St	0%	100%	0%	0%	0%	1
Lower Crown Rock	0%	100%	0%	0%	0%	1
Sanitas Pinebrook Connector	0%	100%	0%	0%	0%	1
Sombrero SE	0%	100%	0%	0%	0%	1

Location	A	B	C	D	F	# of surveys
Steinbach Niland	100%	0%	0%	0%	0%	1
Wonderland - Poplar pocket park	100%	0%	0%	0%	0%	1

Table H2. Ratings for experience with runners by survey location.

Location	A	B	C	D	F	# of surveys
Bluebell Road	71%	23%	5%	0%	0%	244
Mount Sanitas Trail	63%	33%	3%	1%	0%	209
Chautauqua Trail	61%	30%	9%	1%	0%	185
Wonderland Utica East	66%	23%	10%	1%	0%	110
Sanitas Valley Trail	72%	21%	6%	1%	0%	97
South Boulder Creek Community Center	65%	27%	8%	1%	0%	93
Enchanted Mesa Trail	69%	30%	1%	0%	0%	90
Wonderland Trail Poplar Ave	66%	24%	9%	1%	0%	90
South Boulder Creek Marshall	59%	31%	8%	1%	0%	83
South Mesa Trailhead	75%	20%	6%	0%	0%	71
Flatirons Vista Trailhead	74%	24%	2%	0%	0%	66
Foothills Trail Dog Park	80%	17%	2%	2%	0%	65
Settlers Trailhead West	63%	27%	8%	0%	2%	59
Marshall Mesa - Coal Seam	67%	23%	6%	2%	2%	48
BVR Trailhead South	61%	32%	7%	0%	0%	44
Cottonwood Trail Jay Rd	66%	29%	5%	0%	0%	41
Doudy Draw Trailhead	76%	24%	0%	0%	0%	37
Dry Creek Trailhead	57%	30%	14%	0%	0%	37
Skunk Canyon Trail Table Mesa	78%	14%	5%	3%	0%	37
Fourmile Trailhead	72%	22%	6%	0%	0%	36
Gregory Canyon	76%	24%	0%	0%	0%	34
Baseline Trail	59%	19%	19%	0%	4%	27
Foothills Trail Near Hogback Trail	78%	22%	0%	0%	0%	27
Bobolink Trailhead	72%	20%	8%	0%	0%	25
Shananhan Greenbriar Galena	79%	17%	4%	0%	0%	24
South Boulder Creek Trail Broadway	79%	17%	4%	0%	0%	24
Foothills Trail Locust Av	59%	35%	6%	0%	0%	17
North Fork Shanahan	75%	25%	0%	0%	0%	16
Foothills Trail Near US 36	57%	43%	0%	0%	0%	14
Cottonwood Trail Independence Rd South	69%	31%	0%	0%	0%	13
Four Pines Entrance	69%	31%	0%	0%	0%	13
Greenbelt Plateau Trailhead	62%	23%	15%	0%	0%	13
Skunk Canyon Trail	75%	25%	0%	0%	0%	12
Community Ditch East	73%	18%	0%	9%	0%	11
Teller Farm South Trailhead	64%	36%	0%	0%	0%	11
East Boulder Trail Valmont	90%	10%	0%	0%	0%	10
NCAR Trail	90%	10%	0%	0%	0%	10
Foothills Trail NoBo Park	56%	44%	0%	0%	0%	9
NOAA spur off Dartmouth	44%	44%	11%	0%	0%	9
Centennial Sanitas Connector	88%	13%	0%	0%	0%	8
Green Mountain West Ridge Trail	100%	0%	0%	0%	0%	8
South Boulder Creek Van Vleet	50%	38%	13%	0%	0%	8
Cottontail East Subdivision	86%	14%	0%	0%	0%	7
East Boulder Trail Heatherwood	100%	0%	0%	0%	0%	7
Four Pines Upper	100%	0%	0%	0%	0%	7

Location	A	B	C	D	F	# of surveys
Sawhill Walden East	71%	29%	0%	0%	0%	7
Upper Crown Rock	71%	29%	0%	0%	0%	7
Upper Crown Rock Road Pulloff	71%	0%	14%	14%	0%	7
Wonderland Lake Trailhead	71%	14%	14%	0%	0%	7
Cottontail Trail South	100%	0%	0%	0%	0%	6
North Rim Trail	100%	0%	0%	0%	0%	6
Sanitas Hawthorne Trail	67%	33%	0%	0%	0%	6
6th Street Access	80%	20%	0%	0%	0%	5
BVR Trailhead North	80%	20%	0%	0%	0%	5
Lefthand Trailhead	60%	40%	0%	0%	0%	5
Ranger Trail	40%	60%	0%	0%	0%	5
Amphitheater Trial	75%	25%	0%	0%	0%	4
Chautauqua - W Baseline Trail	100%	0%	0%	0%	0%	4
Contact Corner	100%	0%	0%	0%	0%	4
Sawhill Entrance West	75%	25%	0%	0%	0%	4
Degge Trail	33%	67%	0%	0%	0%	3
Flagstaff Amphitheater	67%	0%	33%	0%	0%	3
Greenbriar Undesignated	67%	33%	0%	0%	0%	3
Heatherwood Wood Brothers East	67%	33%	0%	0%	0%	3
Lower Bear Canyon Trail	100%	0%	0%	0%	0%	3
Marshall Mesa Trailhead	100%	0%	0%	0%	0%	3
Sombrero SW	100%	0%	0%	0%	0%	3
View Point Trail North	67%	33%	0%	0%	0%	3
Chautauqua - 8th St	100%	0%	0%	0%	0%	2
Colorado Open Lands North	100%	0%	0%	0%	0%	2
Cottonwood Trail Independence Rd North	100%	0%	0%	0%	0%	2
Flagstaff Trail East	100%	0%	0%	0%	0%	2
Foothills Rosewood Av	100%	0%	0%	0%	0%	2
Foothills Trail Locust Pl	100%	0%	0%	0%	0%	2
Gunbarrel - 79th	100%	0%	0%	0%	0%	2
Settlers Trailhead East	50%	50%	0%	0%	0%	2
Steinbach Continental View	100%	0%	0%	0%	0%	2
Ute Trail	100%	0%	0%	0%	0%	2
View Point Trail South	100%	0%	0%	0%	0%	2
68th Whaley Dr	0%	100%	0%	0%	0%	1
Boulder Creek Path Valmont Industrial Park North	100%	0%	0%	0%	0%	1
Buckingham South	100%	0%	0%	0%	0%	1
Buckingham Southwest	100%	0%	0%	0%	0%	1
East Boulder Trail White Rocks	100%	0%	0%	0%	0%	1
Heatherwood Cambridge St	0%	100%	0%	0%	0%	1
Lower Crown Rock	100%	0%	0%	0%	0%	1
Sanitas Pinebrook Connector	0%	100%	0%	0%	0%	1
Sombrero SE	0%	100%	0%	0%	0%	1
Steinbach Niland	0%	100%	0%	0%	0%	1
Wonderland - Poplar pocket park	100%	0%	0%	0%	0%	1

Table H3. Ratings for experience with cyclists by survey location.

Location	A	B	C	D	F	# of surveys
Bluebell Road	62%	16%	12%	4%	5%	116
Mount Sanitas Trail	50%	25%	17%	3%	5%	102
Wonderland Utica East	37%	33%	22%	5%	3%	97
Chautauqua Trail	48%	28%	18%	2%	3%	89
South Boulder Creek Community Center	37%	35%	19%	9%	0%	89
South Boulder Creek Marshall	49%	35%	11%	1%	4%	81
Wonderland Trail Poplar Ave	31%	40%	19%	10%	1%	81
Flatirons Vista Trailhead	69%	19%	11%	0%	0%	72
Foothills Trail Dog Park	51%	29%	14%	6%	0%	63
Sanitas Valley Trail	44%	27%	17%	4%	8%	52
South Mesa Trailhead	53%	26%	13%	4%	4%	47
Settlers Trailhead West	53%	29%	11%	2%	4%	45
Enchanted Mesa Trail	50%	30%	11%	5%	5%	44
Marshall Mesa - Coal Seam	45%	36%	16%	2%	0%	44
BVR Trailhead South	41%	27%	29%	0%	2%	41
Cottonwood Trail Jay Rd	28%	46%	21%	5%	0%	39
Doudy Draw Trailhead	58%	24%	18%	0%	0%	38
Fourmile Trailhead	29%	58%	10%	3%	0%	31
Foothills Trail Near Hogback Trail	50%	29%	18%	0%	4%	28
Dry Creek Trailhead	33%	19%	30%	7%	11%	27
Bobolink Trailhead	48%	32%	16%	0%	4%	25
Baseline Trail	32%	37%	16%	5%	11%	19
Foothills Trail Locust Av	44%	44%	6%	0%	6%	16
Gregory Canyon	31%	31%	25%	6%	6%	16
Foothills Trail Near US 36	43%	57%	0%	0%	0%	14
Greenbelt Plateau Trailhead	57%	14%	0%	7%	21%	14
Skunk Canyon Trail Table Mesa	14%	36%	14%	21%	14%	14
South Boulder Creek Trail Broadway	29%	43%	14%	7%	7%	14
Cottonwood Trail Independence Rd South	62%	31%	8%	0%	0%	13
Skunk Canyon Trail	58%	33%	0%	0%	8%	12
Community Ditch East	82%	18%	0%	0%	0%	11
East Boulder Trail Valmont	70%	20%	10%	0%	0%	10
Foothills Trail NoBo Park	44%	22%	22%	11%	0%	9
Teller Farm South Trailhead	56%	22%	11%	0%	11%	9
Shananhan Greenbriar Galena	38%	25%	38%	0%	0%	8
South Boulder Creek Van Vleet	50%	38%	13%	0%	0%	8
Upper Crown Rock	88%	13%	0%	0%	0%	8
Cottontail East Subdivision	57%	43%	0%	0%	0%	7
East Boulder Trail Heatherwood	57%	29%	14%	0%	0%	7
Four Pines Entrance	14%	29%	29%	14%	14%	7
Green Mountain West Ridge Trail	100%	0%	0%	0%	0%	7
Upper Crown Rock Road Pulloff	29%	14%	29%	29%	0%	7
Cottontail Trail South	83%	17%	0%	0%	0%	6
NOAA spur off Dartmouth	17%	50%	33%	0%	0%	6
North Rim Trail	83%	17%	0%	0%	0%	6

Location	A	B	C	D	F	# of surveys
BVR Trailhead North	60%	20%	0%	0%	20%	5
Centennial Sanitas Connector	40%	40%	20%	0%	0%	5
North Fork Shanahan	40%	40%	20%	0%	0%	5
Wonderland Lake Trailhead	40%	40%	20%	0%	0%	5
Contact Corner	0%	75%	25%	0%	0%	4
Heatherwood Wood Brothers East	75%	25%	0%	0%	0%	4
Sanitas Hawthorne Trail	50%	0%	25%	25%	0%	4
6th Street Access	0%	67%	33%	0%	0%	3
Degge Trail	33%	67%	0%	0%	0%	3
Flagstaff Amphitheater	67%	0%	33%	0%	0%	3
Four Pines Upper	33%	0%	33%	33%	0%	3
Lefthand Trailhead	33%	67%	0%	0%	0%	3
Marshall Mesa Trailhead	100%	0%	0%	0%	0%	3
Ranger Trail	33%	33%	0%	33%	0%	3
Sawhill Entrance West	0%	67%	33%	0%	0%	3
Sawhill Walden East	100%	0%	0%	0%	0%	3
Sombrero SW	33%	67%	0%	0%	0%	3
View Point Trail North	67%	33%	0%	0%	0%	3
Amphitheater Trial	50%	0%	50%	0%	0%	2
Cottonwood Trail Independence Rd North	0%	50%	0%	50%	0%	2
Flagstaff Trail East	50%	50%	0%	0%	0%	2
Lower Bear Canyon Trail	0%	50%	50%	0%	0%	2
Settlers Trailhead East	0%	100%	0%	0%	0%	2
Steinbach Continental View	50%	0%	50%	0%	0%	2
View Point Trail South	50%	0%	50%	0%	0%	2
Boulder Creek Path Valmont Industrial Park North	100%	0%	0%	0%	0%	1
Buckingham South	100%	0%	0%	0%	0%	1
Chautauqua - W Baseline Trail	0%	0%	0%	100%	0%	1
Colorado Open Lands North	100%	0%	0%	0%	0%	1
Foothills Rosewood Av	100%	0%	0%	0%	0%	1
Foothills Trail Locust Pl	0%	100%	0%	0%	0%	1
Greenbriar Undesignated	0%	100%	0%	0%	0%	1
Gunbarrel - 79th	0%	0%	0%	100%	0%	1
Heatherwood Cambridge St	0%	100%	0%	0%	0%	1
Lower Crown Rock	0%	100%	0%	0%	0%	1
NCAR Trail	0%	100%	0%	0%	0%	1
Sombrero SE	0%	100%	0%	0%	0%	1
Steinbach Niland	0%	0%	100%	0%	0%	1
Ute Trail	0%	100%	0%	0%	0%	1
Wonderland - Poplar pocket park	100%	0%	0%	0%	0%	1

Table H4. Ratings for experience with horseback riders by survey location.

Location	A	B	C	D	F	# of surveys
Bluebell Road	65%	25%	6%	1%	2%	83
Mount Sanitas Trail	49%	33%	13%	4%	0%	69
Chautauqua Trail	49%	20%	22%	7%	2%	59
South Boulder Creek Marshall	47%	36%	16%	0%	2%	58
South Boulder Creek Community Center	45%	32%	13%	6%	4%	53
Wonderland Trail Poplar Ave	40%	30%	28%	0%	2%	43
Wonderland Utica East	63%	21%	16%	0%	0%	43
Flatirons Vista Trailhead	71%	21%	5%	2%	0%	42
Sanitas Valley Trail	49%	43%	9%	0%	0%	35
BVR Trailhead South	39%	36%	18%	6%	0%	33
South Mesa Trailhead	52%	21%	18%	6%	3%	33
Marshall Mesa - Coal Seam	59%	41%	0%	0%	0%	29
Enchanted Mesa Trail	62%	27%	8%	4%	0%	26
Foothills Trail Dog Park	67%	21%	8%	4%	0%	24
Cottonwood Trail Jay Rd	27%	41%	18%	9%	5%	22
Settlers Trailhead West	41%	23%	23%	9%	5%	22
Dry Creek Trailhead	44%	28%	17%	6%	6%	18
Doudy Draw Trailhead	47%	24%	24%	0%	6%	17
South Boulder Creek Trail Broadway	59%	41%	0%	0%	0%	17
Foothills Trail Near Hogback Trail	33%	47%	20%	0%	0%	15
Bobolink Trailhead	50%	29%	14%	7%	0%	14
Greenbelt Plateau Trailhead	62%	15%	15%	8%	0%	13
Shananhan Greenbriar Galena	69%	31%	0%	0%	0%	13
Skunk Canyon Trail Table Mesa	75%	8%	17%	0%	0%	12
Gregory Canyon	36%	36%	27%	0%	0%	11
East Boulder Trail Valmont	90%	10%	0%	0%	0%	10
Foothills Trail Near US 36	40%	50%	0%	10%	0%	10
Community Ditch East	44%	22%	33%	0%	0%	9
Fourmile Trailhead	56%	44%	0%	0%	0%	9
Teller Farm South Trailhead	67%	22%	0%	11%	0%	9
Baseline Trail	88%	0%	13%	0%	0%	8
Cottonwood Trail Independence Rd South	57%	29%	14%	0%	0%	7
Skunk Canyon Trail	29%	71%	0%	0%	0%	7
Foothills Trail Locust Av	67%	17%	0%	17%	0%	6
Green Mountain West Ridge Trail	100%	0%	0%	0%	0%	6
Sawhill Walden East	50%	33%	17%	0%	0%	6
BVR Trailhead North	40%	40%	20%	0%	0%	5
North Rim Trail	80%	20%	0%	0%	0%	5
North Fork Shanahan	50%	50%	0%	0%	0%	4
Centennial Sanitas Connector	67%	33%	0%	0%	0%	3
Contact Corner	33%	67%	0%	0%	0%	3
Cottontail Trail South	100%	0%	0%	0%	0%	3
Degge Trail	33%	67%	0%	0%	0%	3
Four Pines Upper	67%	33%	0%	0%	0%	3
Lefthand Trailhead	33%	67%	0%	0%	0%	3

Location	A	B	C	D	F	# of surveys
Sombrero SW	100%	0%	0%	0%	0%	3
South Boulder Creek Van Vleet	100%	0%	0%	0%	0%	3
Upper Crown Rock	33%	33%	33%	0%	0%	3
View Point Trail North	67%	33%	0%	0%	0%	3
Amphitheater Trail	50%	0%	50%	0%	0%	2
Cottonwood Trail Independence Rd North	50%	50%	0%	0%	0%	2
East Boulder Trail Heatherwood	50%	50%	0%	0%	0%	2
Foothills Trail NoBo Park	0%	50%	50%	0%	0%	2
Four Pines Entrance	100%	0%	0%	0%	0%	2
Gunbarrel - 79th	50%	0%	50%	0%	0%	2
Lower Bear Canyon Trail	100%	0%	0%	0%	0%	2
Marshall Mesa Trailhead	50%	50%	0%	0%	0%	2
Ranger Trail	50%	50%	0%	0%	0%	2
Upper Crown Rock Road Pulloff	100%	0%	0%	0%	0%	2
View Point Trail South	50%	50%	0%	0%	0%	2
Wonderland Lake Trailhead	100%	0%	0%	0%	0%	2
6th Street Access	0%	100%	0%	0%	0%	1
Colorado Open Lands North	100%	0%	0%	0%	0%	1
Cottontail East Subdivision	100%	0%	0%	0%	0%	1
Heatherwood Cambridge St	0%	100%	0%	0%	0%	1
Heatherwood Wood Brothers East	100%	0%	0%	0%	0%	1
Lower Crown Rock	0%	0%	100%	0%	0%	1
NOAA spur off Dartmouth	0%	100%	0%	0%	0%	1
Sanitas Hawthorne Trail	100%	0%	0%	0%	0%	1
Sawhill Entrance West	0%	100%	0%	0%	0%	1
Sombrero SE	0%	0%	100%	0%	0%	1
Steinbach Continental View	0%	100%	0%	0%	0%	1
Steinbach Niland	100%	0%	0%	0%	0%	1

Table H5. Ratings for experience with dogs and dog walkers by survey location.

Location	A	B	C	D	F	# of surveys
Bluebell Road	64%	19%	9%	5%	3%	272
Chautauqua Trail	56%	31%	8%	4%	0%	229
Mount Sanitas Trail	49%	31%	13%	6%	2%	221
Wonderland Utica East	44%	33%	17%	4%	2%	108
Sanitas Valley Trail	58%	27%	5%	8%	2%	101
Enchanted Mesa Trail	52%	32%	13%	2%	2%	95
South Boulder Creek Community Center	36%	34%	19%	9%	2%	91
Wonderland Trail Poplar Ave	39%	38%	12%	7%	3%	89
South Mesa Trailhead	64%	16%	14%	1%	5%	74
South Boulder Creek Marshall	37%	26%	23%	10%	4%	73
Flatirons Vista Trailhead	68%	27%	4%	1%	0%	71
Foothills Trail Dog Park	48%	33%	14%	3%	2%	64
Settlers Trailhead West	66%	23%	9%	2%	0%	64
Marshall Mesa - Coal Seam	65%	22%	14%	0%	0%	51
BVR Trailhead South	43%	34%	16%	7%	0%	44
Dry Creek Trailhead	60%	33%	5%	2%	0%	43
Cottonwood Trail Jay Rd	32%	29%	20%	12%	7%	41
Doudy Draw Trailhead	60%	30%	10%	0%	0%	40
Fourmile Trailhead	42%	32%	16%	3%	8%	38
Gregory Canyon	61%	22%	11%	3%	3%	36
Skunk Canyon Trail Table Mesa	66%	11%	17%	6%	0%	35
Baseline Trail	55%	23%	19%	0%	3%	31
Foothills Trail Near Hogback Trail	42%	46%	8%	0%	4%	26
Bobolink Trailhead	64%	24%	12%	0%	0%	25
Shananhan Greenbriar Galena	63%	33%	4%	0%	0%	24
South Boulder Creek Trail Broadway	67%	25%	4%	0%	4%	24
Foothills Trail Locust Av	50%	0%	39%	11%	0%	18
North Fork Shanahan	50%	31%	13%	0%	6%	16
Foothills Trail Near US 36	29%	50%	21%	0%	0%	14
Greenbelt Plateau Trailhead	43%	14%	21%	0%	21%	14
Cottonwood Trail Independence Rd South	54%	38%	0%	8%	0%	13
Four Pines Entrance	58%	33%	8%	0%	0%	12
Skunk Canyon Trail	50%	25%	17%	0%	8%	12
Green Mountain West Ridge Trail	91%	9%	0%	0%	0%	11
Teller Farm South Trailhead	73%	18%	0%	9%	0%	11
Community Ditch East	40%	40%	10%	0%	10%	10
East Boulder Trail Valmont	70%	10%	20%	0%	0%	10
NCAR Trail	70%	20%	10%	0%	0%	10
Centennial Sanitas Connector	56%	11%	11%	0%	22%	9
Foothills Trail NoBo Park	44%	33%	22%	0%	0%	9
NOAA spur off Dartmouth	33%	22%	33%	11%	0%	9
Four Pines Upper	50%	25%	25%	0%	0%	8
Sawhill Walden East	50%	25%	25%	0%	0%	8
Upper Crown Rock	50%	38%	0%	13%	0%	8
East Boulder Trail Heatherwood	71%	29%	0%	0%	0%	7

Location	A	B	C	D	F	# of surveys
Upper Crown Rock Road Pulloff	86%	0%	0%	14%	0%	7
Wonderland Lake Trailhead	29%	43%	14%	14%	0%	7
Cottontail East Subdivision	33%	67%	0%	0%	0%	6
North Rim Trail	33%	33%	17%	17%	0%	6
Sanitas Hawthorne Trail	83%	17%	0%	0%	0%	6
Amphitheater Trail	60%	40%	0%	0%	0%	5
BVR Trailhead North	60%	20%	0%	20%	0%	5
Chautauqua - W Baseline Trail	80%	20%	0%	0%	0%	5
Cottontail Trail South	80%	20%	0%	0%	0%	5
Lefthand Trailhead	60%	40%	0%	0%	0%	5
Ranger Trail	40%	0%	20%	40%	0%	5
South Boulder Creek Van Vleet	0%	80%	20%	0%	0%	5
6th Street Access	50%	25%	25%	0%	0%	4
Contact Corner	75%	25%	0%	0%	0%	4
Heatherwood Wood Brothers East	75%	25%	0%	0%	0%	4
Sombrero SW	50%	50%	0%	0%	0%	4
View Point Trail North	25%	50%	0%	25%	0%	4
Degge Trail	33%	67%	0%	0%	0%	3
Greenbriar Undesignated	67%	33%	0%	0%	0%	3
Lower Bear Canyon Trail	0%	67%	33%	0%	0%	3
Marshall Mesa Trailhead	100%	0%	0%	0%	0%	3
Sawhill Entrance West	67%	33%	0%	0%	0%	3
Buckingham Southwest	50%	50%	0%	0%	0%	2
Chautauqua - 8th St	100%	0%	0%	0%	0%	2
Colorado Open Lands North	100%	0%	0%	0%	0%	2
Cottonwood Trail Independence Rd North	100%	0%	0%	0%	0%	2
Flagstaff Amphitheater	50%	0%	0%	50%	0%	2
Foothills Rosewood Av	50%	50%	0%	0%	0%	2
Foothills Trail Locust Pl	100%	0%	0%	0%	0%	2
Gunbarrel - 79th	50%	50%	0%	0%	0%	2
Settlers Trailhead East	100%	0%	0%	0%	0%	2
Steinbach Continental View	100%	0%	0%	0%	0%	2
Ute Trail	0%	100%	0%	0%	0%	2
View Point Trail South	100%	0%	0%	0%	0%	2
68th Whaley Dr	0%	100%	0%	0%	0%	1
Boulder Creek Path Valmont Industrial Park North	100%	0%	0%	0%	0%	1
Buckingham South	100%	0%	0%	0%	0%	1
East Boulder Trail White Rocks	0%	0%	100%	0%	0%	1
Flagstaff Trail East	100%	0%	0%	0%	0%	1
Heatherwood Cambridge St	0%	100%	0%	0%	0%	1
Lower Crown Rock	0%	100%	0%	0%	0%	1
Sanitas Pinebrook Connector	0%	100%	0%	0%	0%	1
Sombrero SE	0%	0%	100%	0%	0%	1
Steinbach Niland	100%	0%	0%	0%	0%	1
Wonderland - Poplar pocket park	100%	0%	0%	0%	0%	1

Appendix I. Verbatim responses from survey respondents who provided a response to the open ended question “*If yes today, describe*” for the section pertaining to experiencing recreational conflict with dogs or dog guardians specifically. Note: Some respondents used this space on the survey to provide comments regardless of whether they reported experiencing recreation conflict specifically with dogs or dog guardians. Responses in the table below are only from those respondents who provided a response to the “*If yes today, describe*” **and** reported experiencing recreational conflict on the day for their visit or in the past 12 months.

Verbatim descriptions of recreational conflict specifically with dogs or dog guardians
" (Dog poop in bags on trail)
dogs approaching me unleashed
not everyone likes dogs so people are rude to dogs
leaving dog waste (in bags) next to trail - too friendly off-leash dogs
lots of poop bags
poop bags
people don't pick up after dogs
I am often chased, tripped, drooled on by dogs more often than not. Bitten once. Dog owners do not follow rules about sight control leases cleaning up, and this interferes with my enjoyment.
need more dog enforcement
not on leash and not near owner
poop, poop bags on trail, off leash dogs off trail
poop
dog off leash!
dogs off leash
Dogs off leash in leashed area
poop on trail, abandoned bags
dogs off leash heading at me
other dog owners do not heel dogs or ask permission to approach often with dogs not well trained and somewhat aggressive
off leash nose between legs
too many bloody dogs in Bldr
infrequently unfriendly dogs
dogs running crazy
one experience of a dog jumping on me.
If you are scared of dogs, this is not a good place
dog droppings on trai
aggressive, running into my legs
not picking up after dogs
Dakota Ridge Trail several times "cornered" by dog
dog off leash, unwanted approached me.
woman with unleashed dog faught my dog
dogs on no-dogs trail. Refuse to leave trail
dogs off-leash unpredictable
dogs jumping up on me while running
dogs off leash

Verbatim descriptions of recreational conflict specifically with dogs or dog guardians
Little control over dogs, will approach my dog even when on leash
off leash dogs blocking trail.
some don't pick up poop - I love dogs
dog poop in bags on trail
Owners don't take them out of the way (trail)
dogs in middle of trail, dogs licking me - not major, just a pain, bag of dog droppings
brief barking match between dogs, quickly resolved
smell poop not picked up
not picking up after dog
people not picking up after dogs
poop on trail in bags
untrained dogs and poop (bagged) on trail
poop bags on trail
sometimes unruly dogs, no owner control
I do not think dogs should be allowed
not nice dogs and off leash dogs
2 bags of waste on trail
Dogs running up the trail, not obeying their master
people with dogs on leash
leaving dog doo
picking up after dog
people not picking up poop / leaving bags
loose dog
off leash not under voice and sight command
dog do bags
too much dog poop bags
my dog is always on a leash because she isn't good with other dogs. Not all dog owners understand that.
my dog was attacked \$800 in vet bills
interrupted picnic
dog poop
another dog attacked my dog
several discarded bags of poop
dogs did not get along
too many dogs
dog bit friend
pick up after dogs
dog not on leash
off leash dogs
dogs off leash
always conflict
An occasion or 2 of people not picking up after their dogs
dogs jumping up not controlled
runners leave dogs unwatched

Verbatim descriptions of recreational conflict specifically with dogs or dog guardians
off leash dogs
just the smell of dog poop
aggressive pitbull chased me
dogs jumping on me
bag of dog poop
dogs not moving out of way
barking & running
not under control
w/ belligerent dog owners. Dogs not in control
off leash and not monitored
hikers w/ dogs who didn't have voice control over dogs
other dogs off leash in wrong areas
dogs charging - entitled owners who don't care
dog bags of poop left on trail
not picking up after dog
dogs jumping
dog poo
off leash, out of control, barking dogs
dog crap not picked up
bags from cleanup left on trail
leaving poop bags on trail
unfriendly dog that should have been on a less dog populated trail
dog licked me in the face
dog waste
dogs not obeying regulations
dogs not under voice control
very rare aggressive dog meeting
dogs not under voice control
other dogs being grumpy
dog pooping on trail - no owner
poop pick up / leash compliance (not today)
dog poop - bags and unbagged - dogs off leash when should be on leash
dogs off leash and ill behaved
dog chasing deer
dogs jumped on me while running
didn't pick up after dog
dogs off leash approaching my leashed dog
dogs not under voice command
dogs off trail : rude owners
dog attacked my dog (mine was on leash)
nice dog, but completely out of voice & sight control
dog shit all over
above - dog, 1 yr old wanted to play off leash. Bit my arm
dogs establishing dominance

Verbatim descriptions of recreational conflict specifically with dogs or dog guardians
leaving poop bags on trail!
dog running off leash
not pick up droppings
dogs
not picking up poop or bags!
dogs not on leash, approach our dog on leash
dog too close
dog poop bags
uncontrolled dogs
dog bit my son on Sanitas
dog poop and poop bags - I saw 6-8 today
some people get irritated with people walking their dog
dog jumped on me
dogs not on leash that should be
dogs on wrong path, poop bags on trail
dogs off leash and not under voice control
dogs chasing deer
owner can't control dog
off leash, ignored request to call dog. All but one experience with dog owners was fine/pleasant.
4 dogs off leash & 1 human, 2 poop piles on Tomato Rock U.T.
because of dogs - broke tailbone when dog ran into me
some unpicked up dog poop - not a lot
people cleaning after dogs
dog blocked trail
dog knocked me over while running
poop on trail
dog poop
they don't care what the dogs do to others
dog waste
dog poop on trail, bags of dog poop on trails ³
unfriendly dogs
dog hater
left bag of dog doo
I hate to see dog poop bags left by the trail
large dogs jumping on me/kids
failure to pick up poop
aggressive dog
not picking up after dog. No dog on leash
a dog's leash getting wrapped around my legs
guy letting dog chase prairie dogs
I walk my dog on a leash - others don't control their dogs
people not using leashes
I picked up used dog poop bags on trail side and hiked them out.
not picking up after dogs

Verbatim descriptions of recreational conflict specifically with dogs or dog guardians
the left overs from dogs!
not picking up after dog, dogs off leash
woman didn't restrain her barking dog, it tried to bite me
dogs off trail and in way and poop
aggression, unresponsive to voice
dogs running up to me and almost knocking me over on numerous occasions when I was pregnant on Sanitas.

Appendix J. Verbatim responses from survey respondents who provided a response to the open ended question “*If yes today, describe*” for the section pertaining to experiencing recreational conflict with mountain bikes specifically. Note: Some respondents used this space on the survey to provide comments regardless of whether they reported experiencing recreation conflict specifically with mountain bikes. Responses in the table below are only from those respondents who provided a response to the “*If yes today, describe*” **and** reported experiencing recreational conflict on the day for their visit or in the past 12 months.

Verbatim descriptions of recreational conflict specifically with mountain bikes
occasionally
see above ('bikes riding up')
Didn't warn ahead or slow down when passing (only 1)
someone bitching about jumping
failure to notify or yield
Loud - demanding R.O.W.
never let you know when behind you
biker shouting and trail hogging
not using voice to let us know they are coming
not yielding
I put not letting me know they were there. Too fast when dogs appropriately off lead. Hit one of my dogs
too fast
they don't let hiker know where they are!
Too many careless bikers
bikers too fast
Ride by fast and do not always yield
use a bell to indicate presence
sometimes they are a danger to dogs and themselves
no signal or bell while passing
bikers should give warning
aggressive
Biking past too quickly when I have 2 dogs on leashes
too fast and inconsiderate
mtn bike traveling very quickly
cyclist coming upon us from behind without warning
don't move over on trail or don't let you know they're on your left
arrogant use of the trail - dangerous speeds
bikers go too fast and can be a danger
failure to warn of approach
bikes at times go too fast on trail which makes it difficult to make way for them fast enough.
bikers on restricted part of trail
pack of bikers!

Verbatim descriptions of recreational conflict specifically with mountain bikes
failure to use bell or let me know coming
too many on the trail for hikers
bikes going too fast. Large pods force walkers off trail.
not sharing trail
bikes speeding
they don't slow down and ride too close to pedestrians. They're dangerous and inconsiderate - this does not apply to all of them
not slowing down
high speed riders occasionally worry me. They seem at risk
rude, not sharing trail, not willing to get off bike, not waiting for me
aggressive bicyclists
hit by a cyclist who didn't even stop
they do not slow down enough when passing
they approach quietly from behind and scare me. They should yield to all others
bikers don't typically yield - I don't feel safe when they're on the trail
too fast
continue to ride even across my path while hiking (minority of riders)
ran me off the trail
bike riders
not today but Mountain Bikers ruin the experience and are pushy and dangerous
private anti mt bike group
bikes too close and too fast
biker not yielding
bikers have sworn at me
I am a biker and they are usually rude! No warning
got pushed off the trail
too fast / never stop
biking vs. dogs
they go way too fast. Expect walkers to move
poor trail sharing
go off trail in muddy weather & trail deteriorates
speeding bikers - not fair to elderly or children
I always step aside

Appendix K. Bi-variate contingency tables showing the responses to survey question by selected categories

	Activity group	Residency	Years visiting	Frequency of visitation	Reason for visit	Age	Access location volume	Day type (weekend/weekday)
Length of visit	K1	K29	K57	K85	K113	K141	K169	K198
Transportation to trailhead	K2	K30	K58	K86	K114	K142	K170	K199
Reason for visit	K3	K31	K59	K87	NA	K143	K171	K200
Primary activity	NA	K32	K60	K88	K115	K144	K172	K201
Residency	K4	NA	K61	K89	K116	K145	K173	K202
Visitation (times per month)	K5	K33	K62	NA	K117	K146	K174	K203
Years visiting	K6	K34	NA	K90	K118	K147	K175	K204
Restroom rating	K7	K35	K63	K91	K119	K148	K176	K205
Signs/brochures rating	K8	K36	K64	K92	K120	K149	K177	K206
Fixing erosion/trampled areas rating	K9	K37	K65	K93	K121	K150	K178	K207
Rule enforcement rating	K10	K38	K66	K94	K122	K151	K179	K208
Trail conditions/maintenance rating	K11	K39	K67	K95	K123	K152	K180	K209
Accessibility rating	K12	K40	K68	K96	K124	K153	K181	K210
Trailhead/nature education rating	K13	K41	K69	K97	K125	K154	K182	K211
Trash cans/bag dispenser rating	K14	K42	K70	K98	K126	K155	K183	K212
Overall satisfaction rating	K15	K43	K71	K99	K127	K156	K184	K213
Exp. with hikers	K16	K44	K72	K100	K128	K157	K185	K214
Exp. with runners	K17	K45	K73	K101	K129	K158	K186	K215
Exp. with cyclists	K18	K46	K74	K102	K130	K159	K187	K216
Exp. with horseback riders	K19	K47	K75	K103	K131	K160	K188	K217
Exp. with dogs/dog guardians	K20	K48	K76	K104	K132	K161	K189	K218
Rec. conflict today	K21	K49	K77	K105	K133	K162	K190	K219
Rec. conflict past 12 mos.	K22	K50	K78	K106	K134	K163	K191	K220
Dog/dog guardian rec. conflict today	K23	K51	K79	K107	K135	K164	K192	K221
Dog/dog guardian rec. conflict past 12 mos.	K24	K52	K80	K108	K136	K165	K193	K222
Mountain biking rec. conflict today	K25	K53	K81	K109	K137	K166	K194	K223
Mountain biking rec. conflict past 12 mos.	K26	K54	K82	K110	K138	K167	K195	K224
Using area less often/avoiding	K27	K55	K83	K111	K139	K168	K196	K225
Age	K28	K56	K84	K112	K140	NA	K197	K226

Responses by activity group

Table K1. Length of visit by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
<30 minutes	10%	26%	20%	19%	12%
30 to 59 minutes	26%	49%	34%	41%	21%
60 to 89 minutes	24%	15%	18%	20%	18%
90 to 119 minutes	17%	7%	12%	9%	19%
120+ minutes	24%	3%	16%	11%	30%
Total	100%	100%	100%	100%	100%

$\chi^2 = 245.7$, $p < 0.001$, Cramer's $V = 0.165$

Table K2. Mode of transportation by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
Car	70%	35%	20%	57%	79%
Walk/Run	28%	64%	2%	42%	19%
Bike	2%	1%	78%	1%	3%
Total	100%	100%	100%	100%	100%

$\chi^2 = 1650.0$, $p < 0.001$, Cramer's $V = 0.606$

Table K3. Reason for visit by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
Activities	36%	77%	77%	48%	36%
Place	48%	23%	22%	45%	51%
Family or Friends	16%	1%	1%	7%	13%
Total	100%	100%	100%	100%	100%

$\chi^2 = 251.1$, $p < 0.001$, Cramer's $V = 0.249$

Table K4. Residency by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
City of Boulder	50%	77%	65%	66%	41%
Boulder County	18%	16%	22%	21%	15%
Metro Denver	13%	2%	8%	8%	12%
Other area in Colorado	4%	2%	1%	3%	6%
Out of State	14%	3%	4%	3%	19%
Out of Country	1%	1%	0%	0%	6%
Total	100%	100%	100%	100%	100%

$\chi^2 = 260.2$, $p < 0.001$, Cramer's $V = 0.170$

Table K5. Frequency of visits per month by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
Fewer than or equal to 1 time per mo.	29%	5%	11%	8%	34%
Greater than 1 time per mo. up to 4 times	21%	14%	21%	13%	21%
Greater than 4 times per mo. up to 12 times	24%	30%	36%	25%	25%
Greater than 12 times per mo. up to 20	15%	31%	21%	22%	15%
More than 20 times per mo.	10%	20%	12%	32%	5%
Total	100%	100%	100%	100%	100%

$\chi^2 = 361.5$, $p < 0.001$, Cramer's $V = 0.200$

Table K6. Number of years visiting by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
Fewer than or equal to 1	22%	11%	12%	9%	26%
Greater than 1 year up to 2	8%	6%	6%	6%	5%
Greater than 2 years up to 5	13%	15%	17%	13%	18%
Greater than 5 years up to 10	15%	19%	21%	16%	16%
Greater than 10 years up to 20	22%	33%	23%	26%	14%
Greater than 20 years	21%	17%	21%	30%	21%
Total	100%	100%	100%	100%	100%

$\chi^2 = 123.4$, $p < 0.001$, Cramer's $V = 0.117$

Table K7. Rating for restroom cleanliness by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
A	41%	36%	43%	41%	41%
B	37%	44%	49%	40%	41%
C	17%	15%	7%	15%	17%
D	3%	1%	1%	3%	0%
F	1%	3%	0%	1%	0%
Total	100%	100%	100%	100%	100%

$\chi^2 = 25.0$, $p = 0.07$, Cramer's $V = 0.077$

Table K8. Rating for usefulness of signs and brochures by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
A	52%	54%	55%	55%	56%
B	37%	33%	39%	32%	30%
C	10%	13%	5%	10%	10%
D	2%	1%	1%	2%	3%
F	0%	0%	0%	1%	1%
Total	100%	100%	100%	100%	100%

$\chi^2 = 22.7$, $p=0.123$, Cramer's $V=0.053$

Table K9. Rating for fixing eroded or trampled areas by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
A	44%	34%	43%	44%	43%
B	39%	47%	43%	38%	43%
C	14%	15%	10%	14%	9%
D	3%	3%	3%	3%	4%
F	1%	1%	1%	1%	1%
Total	100%	100%	100%	100%	100%

$\chi^2 = 19.8$, $p=0.228$, Cramer's $V=0.049$

Table K10. Rating for trail condition and maintenance by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
A	59%	56%	59%	60%	61%
B	33%	37%	33%	30%	31%
C	6%	6%	7%	8%	8%
D	1%	1%	1%	1%	0%
F	0%	1%	0%	0%	0%
Total	100%	100%	100%	100%	100%

$\chi^2 = 16.0$, $p=0.452$, Cramer's $V=0.043$

Table K11. Rating for enforcement of rules by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
A	43%	39%	42%	46%	52%
B	33%	35%	40%	36%	26%
C	18%	19%	12%	13%	17%
D	5%	6%	3%	4%	1%
F	1%	1%	3%	1%	4%
Total	100%	100%	100%	100%	100%

$\chi^2 = 37.3$, $p=0.002$, Cramer's $V=0.075$

Table K12. Rating for ability to access your destination by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
A	77%	81%	74%	77%	70%
B	21%	18%	18%	20%	26%
C	2%	1%	4%	2%	4%
D	0%	0%	1%	2%	0%
F	0%	0%	3%	0%	1%
Total	100%	100%	100%	100%	100%

$\chi^2 = 85.2$, $p<0.001$, Cramer's $V=0.099$

Table K13. Rating for trailhead and nature education by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
A	52%	43%	48%	49%	49%
B	34%	41%	39%	33%	38%
C	12%	16%	13%	15%	13%
D	2%	0%	0%	2%	0%
F	0%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%

$\chi^2 = 24.3$, $p=0.083$, Cramer's $V=0.058$

Table K14. Rating for trash cans and bag dispensers by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
A	51%	51%	50%	46%	49%
B	36%	32%	39%	29%	34%
C	9%	14%	11%	17%	14%
D	3%	3%	0%	7%	0%
F	1%	0%	0%	1%	2%
Total	100%	100%	100%	100%	100%

$\chi^2 = 63.4$, $p<0.001$, Cramer's $V=0.089$

Table K15. Rating for overall satisfaction with OSMP by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
A	73%	71%	64%	73%	74%
B	25%	27%	32%	23%	23%
C	2%	2%	1%	3%	2%
D	0%	0%	0%	0%	1%
F	0%	0%	2%	0%	0%
Total	100%	100%	100%	100%	100%

$\chi^2 = 35.9$, $p=0.003$, Cramer's $V=0.064$

Table K16. Rating for experience with hikers by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
A	82%	78%	65%	80%	77%
B	16%	21%	28%	19%	22%
C	2%	1%	7%	1%	0%
D	0%	0%	0%	0%	0%
F	0%	0%	0%	0%	1%
Total	100%	100%	100%	100%	100%

$\chi^2 = 59.7$, $p<0.001$, Cramer's $V=0.083$

Table K17. Rating for experience with runners by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
A	69%	81%	69%	71%	69%
B	24%	18%	27%	25%	26%
C	6%	1%	2%	4%	4%
D	1%	0%	2%	0%	0%
F	0%	0%	0%	0%	1%
Total	100%	100%	100%	100%	100%

$\chi^2 = 52.7$, $p<0.001$, Cramer's $V=0.080$

Table K18. Rating for experience with cyclists by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
A	47%	45%	70%	40%	52%
B	27%	32%	27%	35%	29%
C	19%	16%	3%	16%	13%
D	5%	5%	0%	5%	3%
F	2%	1%	0%	4%	4%
Total	100%	100%	100%	100%	100%

$\chi^2 = 93.1$, $p<0.001$, Cramer's $V=0.125$

Table K19. Rating for experience with equestrians by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
A	62%	54%	45%	54%	57%
B	26%	30%	36%	28%	32%
C	11%	13%	15%	14%	9%
D	1%	2%	1%	3%	2%
F	1%	1%	3%	1%	0%

Total	100%	100%	100%	100%	100%
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$\chi^2 = 19.9$, $p=0.223$, Cramer's $V=0.075$

Table K20. Rating for experience with dogs and dog guardians by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
A	51%	44%	41%	65%	56%
B	28%	33%	34%	26%	22%
C	14%	14%	17%	7%	13%
D	6%	7%	4%	1%	7%
F	3%	2%	4%	0%	3%
Total	100%	100%	100%	100%	100%

$\chi^2 = 110.4$, $p<0.001$, Cramer's $V=0.114$

Table K21. Percentage of respondents reporting having experienced recreational conflict on the day of their visit by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
Yes	7%	7%	4%	6%	10%
No	93%	93%	96%	94%	90%
Total	100%	100%	100%	100%	100%

$\chi^2 = 7.6$, $p=0.109$, Cramer's $V=0.058$

Table K22. Percentage of respondents reporting having experienced recreational conflict within the past 12 months by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
Yes	37%	51%	39%	40%	28%
No	63%	49%	61%	60%	72%
Total	100%	100%	100%	100%	100%

$\chi^2 = 26.0$, $p<0.001$, Cramer's $V=0.124$

Table K23. Percentage of respondents reporting having experienced recreational conflict specifically with dogs or dog guardians on the day of their visit by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
Yes	6%	4%	3%	3%	6%
No	94%	96%	97%	97%	94%
Total	100%	100%	100%	100%	100%

$\chi^2 = 9.0$, $p=0.06$, Cramer's $V=0.066$

Table K24. Percentage of respondents reporting having experienced recreational conflict specifically with dogs or dog guardians within the past 12 months by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
Yes	28%	39%	34%	23%	22%
No	72%	61%	66%	77%	78%
Total	100%	100%	100%	100%	100%

$\chi^2 = 27.1$, $p < 0.001$, Cramer's $V = 0.133$

Table K25. Percentage of respondents reporting having experienced recreational conflict specifically with cyclists on the day of their visit by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
Yes	2%	3%	2%	3%	2%
No	98%	97%	98%	97%	98%
Total	100%	100%	100%	100%	100%

$\chi^2 = 1.5$, $p = 0.823$, Cramer's $V = 0.027$

Table K26. Percentage of respondents reporting having experienced recreational conflict specifically with cyclists within the past 12 months by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
Yes	16%	23%	9%	22%	7%
No	84%	77%	91%	78%	93%
Total	100%	100%	100%	100%	100%

$\chi^2 = 29.4$, $p < 0.001$, Cramer's $V = 0.140$

Table K27. Percentage of respondents reporting avoiding or using an area less by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
Yes	6%	9%	7%	13%	9%
No	94%	91%	93%	87%	91%
Total	100%	100%	100%	100%	100%

$\chi^2 = 24.3$, $p < 0.001$, Cramer's $V = 0.106$

Table K28. Percentage of respondents in age groups by activity group

	Hikers	Runners	Cyclists	Dog Guardians	Other
<20	3%	0%	0%	1%	4%
20-29	22%	14%	17%	14%	23%
30-39	18%	27%	21%	22%	21%
40-49	17%	31%	29%	22%	14%
50-59	18%	21%	25%	25%	21%
60-69	17%	6%	8%	14%	13%
70+	6%	1%	1%	2%	3%
Total	100%	100%	100%	100%	100%

$\chi^2 = 143.82$, $p < 0.001$, Cramer's $V = 0.128$

Responses by residency

Table K29. Length of visit by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
<30 minutes	19%	18%	5%	13%	9%	11%
30 to 59 minutes	42%	31%	21%	23%	21%	16%
60 to 89 minutes	19%	21%	21%	22%	21%	8%
90 to 119 minutes	9%	16%	19%	6%	19%	39%
120+ minutes	11%	14%	35%	36%	30%	25%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 257.8$, $p < 0.001$, Cramer's $V = 0.161$

Table K30. Mode of transportation by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
Car	42%	73%	88%	94%	70%	74%
Walk/Run	46%	19%	8%	5%	26%	23%
Bike	12%	8%	4%	1%	4%	3%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 344.0$, $p < 0.001$, Cramer's $V = 0.263$

Table K31. Reason for visit by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
Activities	54%	51%	40%	41%	26%	23%
Place	41%	41%	37%	46%	49%	67%
Family or Friends	6%	8%	22%	14%	25%	11%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 147.0$, $p < 0.001$, Cramer's $V = 0.182$

Table K32. Activity group by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
Hikers	28%	32%	49%	42%	56%	35%
Runners	20%	13%	4%	8%	5%	11%
Cyclists	11%	12%	9%	3%	5%	4%
Dog Guardians	34%	34%	26%	29%	10%	4%
Others	7%	8%	13%	18%	23%	46%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 260.2$, $p < 0.001$, Cramer's $V = 0.170$

Table K33. Frequency of visits per month by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
Fewer than or equal to 1 time per mo.	4%	11%	43%	40%	80%	66%
Greater than 1 time per mo. up to 4 times	13%	26%	30%	30%	13%	14%
Greater than 4 times per mo. up to 12 times	30%	30%	22%	24%	2%	15%
Greater than 12 times per mo. up to 20	28%	18%	4%	4%	2%	1%
More than 20 times per mo.	25%	15%	1%	1%	2%	4%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 1163.4$, $p < 0.001$, Cramer's $V = 0.341$

Table K34. Number of years visiting by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
Fewer than or equal to 1	10%	5%	21%	26%	68%	58%
Greater than 1 year up to 2	5%	7%	12%	6%	5%	16%
Greater than 2 years up to 5	14%	12%	14%	18%	7%	10%
Greater than 5 years up to 10	16%	16%	20%	18%	9%	1%
Greater than 10 years up to 20	27%	32%	23%	10%	4%	7%
Greater than 20 years	28%	28%	9%	21%	7%	8%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 630.0, p < 0.001, \text{Cramer's } V = 0.225$

Table K35. Rating for restroom cleanliness by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
A	38%	37%	45%	45%	65%	40%
B	42%	40%	31%	39%	23%	30%
C	16%	16%	19%	11%	10%	26%
D	3%	4%	2%	5%	2%	5%
F	1%	2%	2%	1%	0%	0%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 36.3, p = 0.014, \text{Cramer's } V = 0.088$

Table K36. Rating for usefulness of signs and brochures by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
A	53%	55%	54%	62%	54%	56%
B	36%	32%	34%	27%	30%	33%
C	10%	12%	8%	7%	13%	11%
D	1%	1%	4%	2%	2%	0%
F	1%	0%	0%	2%	0%	0%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 27.0, p = 0.135, \text{Cramer's } V = 0.055$

Table K37. Rating for fixing eroded or trampled areas by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
A	39%	43%	45%	51%	53%	24%
B	42%	41%	35%	36%	38%	54%
C	14%	13%	17%	11%	7%	20%
D	3%	3%	3%	2%	2%	2%
F	1%	1%	1%	0%	0%	0%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 31.4$, $p=0.05$, Cramer's $V=0.059$

Table K38. Rating for trail condition and maintenance by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
A	57%	56%	64%	70%	66%	55%
B	34%	35%	27%	28%	30%	35%
C	7%	8%	8%	2%	4%	11%
D	2%	1%	1%	0%	0%	0%
F	0%	1%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 25.0$, $p=0.202$, Cramer's $V=0.051$

Table K39. Rating for enforcement of rules by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
A	42%	44%	46%	56%	59%	29%
B	34%	33%	32%	28%	35%	63%
C	17%	15%	19%	15%	3%	6%
D	5%	5%	2%	1%	2%	3%
F	1%	3%	1%	1%	0%	0%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 49.0$, $p<0.001$, Cramer's $V=0.082$

Table K40. Rating for ability to access your destination by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
A	77%	75%	74%	80%	75%	56%
B	20%	19%	23%	17%	23%	38%
C	2%	2%	3%	3%	2%	6%
D	1%	2%	0%	0%	0%	0%
F	0%	1%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 52.4$, $p < 0.001$, Cramer's $V = 0.073$

Table K41. Rating for trailhead and nature education by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
A	47%	47%	50%	70%	54%	23%
B	37%	38%	33%	19%	34%	49%
C	15%	15%	14%	9%	10%	15%
D	1%	1%	2%	2%	2%	14%
F	0%	0%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 53.3$, $p < 0.001$, Cramer's $V = 0.081$

Table K42. Rating for trash cans and bag dispensers by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
A	50%	48%	46%	50%	53%	49%
B	32%	33%	36%	31%	28%	38%
C	13%	15%	10%	13%	16%	11%
D	3%	3%	6%	3%	3%	2%
F	1%	1%	2%	2%	0%	0%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 12.8$, $p = 0.885$, Cramer's $V = 0.038$

Table K43. Rating for overall satisfaction with OSMP by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
A	69%	75%	76%	77%	78%	48%
B	27%	22%	21%	19%	22%	47%
C	3%	2%	2%	2%	0%	5%
D	0%	0%	0%	2%	0%	0%
F	0%	1%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 43.2$, $p=0.002$, Cramer's $V=0.066$

Table K44. Rating for experience with hikers by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
A	79%	78%	77%	79%	83%	57%
B	19%	19%	19%	19%	16%	43%
C	2%	2%	3%	0%	1%	0%
D	0%	0%	0%	0%	0%	0%
F	0%	0%	0%	2%	0%	0%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 35.5$, $p=0.017$, Cramer's $V=0.061$

Table K45. Rating for experience with runners by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
A	70%	70%	70%	71%	78%	63%
B	25%	24%	23%	20%	18%	35%
C	4%	3%	6%	7%	4%	2%
D	1%	1%	1%	0%	0%	0%
F	0%	0%	0%	2%	0%	0%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 33.6$, $p=0.029$, Cramer's $V=0.061$

Table K46. Rating for experience with cyclists by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
A	44%	47%	57%	61%	74%	23%
B	33%	33%	20%	23%	19%	50%
C	15%	13%	15%	10%	4%	27%
D	5%	4%	7%	0%	1%	0%
F	3%	3%	2%	6%	2%	0%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 54.1$, $p < 0.001$, Cramer's $V = 0.091$

Table K47. Rating for experience with equestrians by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
A	51%	53%	64%	76%	81%	32%
B	33%	26%	20%	23%	16%	68%
C	12%	18%	13%	2%	2%	0%
D	3%	3%	2%	0%	2%	0%
F	1%	0%	1%	0%	0%	0%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 35.8$, $p = 0.016$, Cramer's $V = 0.095$

Table K48. Rating for experience with dogs and dog guardians by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
A	51%	51%	65%	57%	69%	67%
B	28%	33%	24%	31%	22%	33%
C	14%	11%	5%	9%	6%	0%
D	5%	2%	4%	0%	2%	0%
F	2%	3%	2%	2%	0%	0%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 60.3$, $p < 0.001$, Cramer's $V = 0.081$

Table K49. Percentage of respondents reporting having experienced recreational conflict on the day of their visit by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
Yes	7%	4%	9%	9%	6%	11%
No	93%	96%	91%	91%	94%	89%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 8.2$, $p=0.148$, Cramer's $V=0.058$

Table K50. Percentage of respondents reporting having experienced recreational conflict within the past 12 months by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
Yes	45%	44%	25%	9%	12%	19%
No	55%	56%	75%	91%	88%	81%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 90.0$, $p<0.001$, Cramer's $V=0.219$

Table K51. Percentage of respondents reporting having experienced recreational conflict specifically with dogs or dog guardians on the day of their visit by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
Yes	5%	3%	8%	5%	5%	7%
No	95%	97%	92%	95%	95%	93%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 7.6$, $p=0.180$, Cramer's $V=0.058$

Table K52. Percentage of respondents reporting having experienced recreational conflict specifically with dogs or dog guardians within the past 12 months by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
Yes	32%	34%	17%	5%	9%	14%
No	68%	66%	83%	95%	91%	86%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 55.3$, $p<0.001$, Cramer's $V=0.181$

Table K53. Percentage of respondents reporting having experienced recreational conflict specifically with cyclists on the day of their visit by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
Yes	2%	2%	2%	5%	2%	3%
No	98%	98%	98%	95%	98%	97%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 3.3$, $p=0.648$, Cramer's $V=0.039$

Table K54. Percentage of respondents reporting having experienced recreational conflict specifically with cyclists within the past 12 months by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
Yes	21%	16%	10%	7%	2%	0%
No	79%	84%	90%	93%	98%	100%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 35.9$, $p<0.001$, Cramer's $V=0.148$

Table K55. Percentage of respondents reporting avoiding or using an area less by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
Yes	10%	12%	5%	4%	2%	3%
No	90%	88%	95%	96%	98%	97%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 26.1$, $p<0.001$, Cramer's $V=0.104$

Table K56. Percentage of respondents in age groups by residency

	Boulder	Boulder County	Metro Denver	Other area in Colorado	Out of State	Out of Country
<20	1%	2%	2%	8%	5%	2%
20-29	17%	8%	29%	16%	26%	34%
30-39	19%	23%	26%	29%	16%	23%
40-49	22%	27%	19%	15%	13%	5%
50-59	23%	23%	15%	17%	21%	11%
60-69	13%	12%	8%	16%	16%	25%
70+	4%	5%	1%	0%	4%	2%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 140.3$, $p<0.001$, Cramer's $V=0.108$

Responses by number of years visiting OSMP

Table K57. Length of visit by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
<30 minutes	13%	19%	16%	16%	17%	17%
30 to 59 minutes	29%	32%	34%	35%	36%	40%
60 to 89 minutes	19%	16%	21%	19%	22%	19%
90 to 119 minutes	14%	13%	11%	14%	12%	12%
120+ minutes	25%	21%	18%	17%	12%	12%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 50.4$, $p < 0.001$, Cramer's $V = 0.071$

Table K58. Mode of transportation by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
Car	66%	63%	54%	56%	55%	53%
Walk/Run	28%	31%	34%	33%	35%	39%
Bike	6%	6%	12%	12%	10%	7%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 34.2$, $p < 0.001$, Cramer's $V = 0.083$

Table K59. Reason for visit by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
Activities	33%	42%	57%	56%	52%	49%
Place	47%	47%	35%	36%	40%	45%
Family or Friends	20%	11%	9%	7%	8%	6%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 85.7$, $p < 0.001$, Cramer's $V = 0.140$

Table K60. Activity group by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
Hikers	47%	42%	30%	30%	30%	30%
Runners	11%	14%	16%	18%	21%	11%
Cyclists	8%	9%	13%	13%	10%	9%
Dog Guardians	17%	28%	29%	30%	33%	40%
Others	16%	7%	12%	9%	5%	9%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 123.4$, $p < 0.001$, Cramer's $V = 0.117$

Table K61. Frequency of visits to OSMP per month by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
Fewer than or equal to 1 time per mo.	55%	22%	14%	13%	8%	6%
Greater than 1 time per mo. up to 4 times	18%	26%	17%	20%	16%	13%
Greater than 4 times per mo. up to 12 times	13%	27%	30%	30%	31%	27%
Greater than 12 times per mo. up to 20	7%	15%	22%	20%	25%	26%
More than 20 times per mo.	6%	10%	16%	18%	20%	28%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 584.3$, $p < 0.001$, Cramer's $V = 0.241$

Table K62. Residency by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
Boulder	36%	49%	64%	61%	64%	69%
Boulder County	6%	21%	17%	19%	24%	22%
Metro Denver	12%	17%	9%	11%	8%	3%
Other area in Colorado	6%	4%	5%	4%	2%	3%
Out of State	34%	6%	4%	5%	1%	2%
Out of Country	6%	4%	1%	0%	0%	0%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 630.0$, $p < 0.001$, Cramer's $V = 0.225$

Table K63. Rating for restroom cleanliness by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
A	54%	51%	44%	37%	33%	40%
B	33%	30%	36%	47%	42%	38%
C	13%	14%	17%	11%	19%	17%
D	1%	3%	3%	3%	4%	4%
F	0%	1%	0%	2%	2%	2%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 37.9$, $p = 0.009$, Cramer's $V = 0.090$

Table K64. Rating for usefulness of signs and brochures by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
A	54%	39%	60%	57%	51%	54%
B	32%	48%	25%	35%	37%	34%
C	13%	13%	12%	6%	10%	9%
D	1%	0%	2%	3%	2%	1%
F	0%	0%	0%	0%	0%	1%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 52.7$, $p < 0.001$, Cramer's $V = 0.077$

Table K65. Rating for fixing eroded or trampled areas by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
A	45%	49%	50%	42%	37%	38%
B	40%	36%	36%	39%	47%	40%
C	11%	14%	10%	15%	14%	16%
D	3%	1%	3%	3%	2%	5%
F	1%	0%	1%	1%	1%	2%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 43.2$, $p=0.002$, Cramer's $V=0.069$

Table K66. Rating for trail condition and maintenance by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
A	61%	68%	67%	60%	54%	54%
B	31%	27%	28%	31%	37%	35%
C	7%	5%	4%	8%	7%	9%
D	1%	0%	1%	1%	1%	1%
F	0%	0%	0%	0%	0%	1%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 43.2$, $p=0.002$, Cramer's $V=0.067$

Table K67. Rating for enforcement of rules by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
A	54%	50%	55%	40%	39%	38%
B	33%	33%	30%	35%	36%	33%
C	11%	14%	14%	18%	18%	17%
D	1%	3%	2%	5%	5%	8%
F	0%	1%	0%	1%	2%	4%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 72.0$, $p<0.001$, Cramer's $V=0.099$

Table K68. Rating for ability to access your destination by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
A	74%	84%	83%	75%	74%	74%
B	23%	13%	14%	21%	24%	22%
C	2%	2%	2%	4%	2%	2%
D	0%	1%	0%	0%	0%	2%
F	0%	0%	0%	0%	0%	1%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 57.5$, $p < 0.001$, Cramer's $V = 0.077$

Table K69. Rating for trailhead and nature education by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
A	50%	54%	56%	46%	46%	46%
B	36%	31%	29%	37%	40%	37%
C	13%	13%	14%	15%	12%	17%
D	1%	1%	2%	2%	2%	0%
F	0%	0%	1%	0%	0%	0%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 33.9$, $p = 0.027$, Cramer's $V = 0.065$

Table K70. Rating for trash cans and bag dispensers by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
A	52%	52%	55%	46%	47%	50%
B	31%	31%	29%	34%	31%	36%
C	11%	13%	13%	18%	16%	11%
D	6%	3%	3%	2%	5%	2%
F	1%	1%	0%	1%	1%	1%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 37.4$, $p = 0.011$, Cramer's $V = 0.065$

Table K71. Rating for overall satisfaction with OSMP by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
A	73%	75%	75%	69%	68%	72%
B	26%	24%	23%	29%	28%	22%
C	1%	1%	1%	2%	3%	4%
D	1%	0%	0%	0%	0%	0%
F	0%	0%	0%	0%	0%	1%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 45.4$, $p=0.001$, Cramer's $V=0.068$

Table K72. Rating for experience with hikers by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
A	79%	76%	77%	80%	78%	81%
B	20%	23%	20%	19%	20%	16%
C	1%	1%	3%	1%	2%	3%
D	0%	0%	0%	0%	0%	0%
F	0%	1%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 20.9$, $p=0.405$, Cramer's $V=0.047$

Table K73. Rating for experience with runners by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
A	74%	70%	69%	74%	71%	69%
B	19%	26%	27%	25%	24%	25%
C	6%	4%	4%	2%	5%	4%
D	0%	0%	0%	0%	0%	2%
F	0%	0%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 39.1$, $p=0.006$, Cramer's $V=0.066$

Table K74. Rating for experience with cyclists by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
A	67%	42%	53%	50%	42%	40%
B	23%	39%	33%	33%	31%	30%
C	7%	11%	9%	13%	17%	19%
D	1%	6%	2%	2%	6%	6%
F	1%	2%	3%	0%	3%	5%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 83.9$, $p < 0.001$, Cramer's $V = 0.113$

Table K75. Rating for experience with equestrians by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
A	59%	42%	62%	56%	51%	56%
B	30%	29%	21%	29%	36%	27%
C	7%	28%	16%	13%	7%	14%
D	3%	0%	1%	2%	4%	2%
F	1%	1%	0%	1%	2%	1%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 42.7$, $p = 0.002$, Cramer's $V = 0.104$

Table K76. Rating for experience with dogs and dog guardians by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
A	62%	59%	63%	55%	46%	50%
B	29%	28%	25%	30%	30%	28%
C	6%	11%	11%	10%	15%	13%
D	1%	1%	1%	3%	7%	6%
F	2%	0%	1%	2%	3%	3%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 72.6$, $p < 0.001$, Cramer's $V = 0.088$

Table K77. Percentage of respondents reporting having experienced recreational conflict on the day of their visit by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
Yes	8%	3%	6%	5%	6%	9%
No	92%	97%	94%	95%	94%	91%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 10.1$, $p=0.073$, Cramer's $V=0.064$

Table K78. Percentage of respondents reporting having experienced recreational conflict within the past 12 months by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
Yes	14%	28%	36%	36%	51%	47%
No	86%	72%	64%	64%	49%	53%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 105.5$, $p<0.001$, Cramer's $V=0.238$

Table K79. Percentage of respondents reporting having experienced recreational conflict specifically with dogs or dog guardians on the day of their visit by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
Yes	8%	2%	4%	4%	4%	5%
No	92%	98%	96%	96%	96%	95%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 9.4$, $p=0.094$, Cramer's $V=0.064$

Table K80. Percentage of respondents reporting having experienced recreational conflict specifically with dogs or dog guardians within the past 12 months by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
Yes	12%	16%	28%	24%	40%	30%
No	88%	84%	72%	76%	60%	70%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 64.9$, $p<0.001$, Cramer's $V=0.197$

Table K81. Percentage of respondents reporting having experienced recreational conflict specifically with cyclists on the day of their visit by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
Yes	1%	0%	3%	1%	3%	4%
No	99%	100%	97%	99%	97%	96%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 13.7$, $p=0.018$, Cramer's $V=0.078$

Table K82. Percentage of respondents reporting having experienced recreational conflict specifically with cyclists within the past 12 months by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
Yes	5%	12%	14%	16%	21%	24%
No	95%	88%	86%	84%	79%	76%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 39.4$, $p<0.001$, Cramer's $V=0.155$

Table K83. Percentage of respondents reporting avoiding or using an area less by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
Yes	2%	3%	5%	8%	12%	15%
No	98%	97%	95%	92%	88%	85%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 62.5$, $p<0.001$, Cramer's $V=0.161$

Table K84. Percentage of respondents in age groups by number of years visiting OSMP

	Fewer than or equal to 1	Greater than 1 year up to 2	Greater than 2 years up to 5	Greater than 5 years up to 10	Greater than 10 years up to 20	Greater than 20 years
<20	5%	2%	2%	1%	2%	0%
20-29	37%	41%	31%	14%	6%	4%
30-39	24%	22%	29%	34%	19%	5%
40-49	10%	12%	17%	28%	35%	15%
50-59	15%	15%	11%	13%	26%	37%
60-69	8%	8%	8%	8%	10%	28%
70+	1%	0%	1%	1%	2%	11%
Total	100%	100%	100%	100%	100%	100%

$\chi^2 = 885.2$, $p < 0.001$, Cramer's $V = 0.271$

Responses by frequency of visitation to OSMP

Table K85. Length of visit by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
<30 minutes	7%	12%	14%	21%	25%
30 to 59 minutes	24%	27%	37%	42%	44%
60 to 89 minutes	18%	21%	22%	20%	15%
90 to 119 minutes	19%	16%	11%	9%	10%
120+ minutes	31%	24%	16%	8%	6%
Total	100%	100%	100%	100%	100%

$\chi^2 = 254.9$, $p < 0.001$, Cramer's $V = 0.160$

Table K86. Mode of transportation by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
Car	83%	72%	58%	41%	32%
Walk/Run	14%	20%	29%	46%	61%
Bike	3%	8%	13%	12%	7%
Total	100%	100%	100%	100%	100%

$\chi^2 = 377.3$, $p < 0.001$, Cramer's $V = 0.275$

Table K87. Reason for visits by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
Activities	29%	48%	52%	58%	57%
Place	43%	45%	41%	37%	41%
Family or Friends	28%	8%	7%	5%	2%
Total	100%	100%	100%	100%	100%

$\chi^2 = 221.7, p < 0.001, \text{Cramer's } V = 0.224$

Table K88. Activity group by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
Hikers	57%	41%	31%	26%	19%
Runners	4%	13%	17%	24%	17%
Cyclists	7%	12%	14%	11%	7%
Dog Guardians	14%	23%	29%	33%	55%
Others	19%	11%	9%	7%	2%
Total	100%	100%	100%	100%	100%

$\chi^2 = 361.5, p < 0.001, \text{Cramer's } V = 0.200$

Table K89. Number of years visiting OSMP by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
Less than or equal to 1 year	50%	16%	8%	5%	5%
Greater than 1 year up to 2	8%	10%	6%	5%	4%
Greater than 2 years up to 5	11%	14%	15%	15%	12%
Greater than 5 years up to 10	12%	18%	18%	15%	16%
Greater than 10 years up to 20	11%	23%	28%	30%	26%
Greater than 20 years	8%	19%	24%	30%	37%
Total	100%	100%	100%	100%	100%

$\chi^2 = 584.3, p < 0.001, \text{Cramer's } V = 0.241$

Table K90. Residency by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
City of Boulder	14%	43%	67%	81%	82%
Boulder County	12%	28%	21%	16%	16%
Metro Denver	22%	15%	7%	2%	1%
Other area in Colorado	9%	6%	3%	1%	0%
Out of State	37%	6%	1%	1%	1%
Out of Country	6%	1%	1%	0%	0%
Total	100%	100%	100%	100%	100%

$\chi^2 = 1163.4$, $p < 0.001$, Cramer's $V = 0.341$

Table K91. Rating for restroom cleanliness by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
A	57%	36%	42%	34%	40%
B	28%	42%	37%	48%	40%
C	13%	17%	17%	15%	15%
D	3%	3%	3%	3%	4%
F	0%	2%	2%	0%	1%
Total	100%	100%	100%	100%	100%

$\chi^2 = 34.2$, $p = 0.005$, Cramer's $V = 0.085$

Table K92. Rating for usefulness of signs and brochures by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
A	53%	56%	53%	52%	56%
B	33%	32%	38%	34%	32%
C	12%	9%	8%	13%	10%
D	2%	2%	1%	1%	2%
F	0%	0%	1%	0%	1%
Total	100%	100%	100%	100%	100%

$\chi^2 = 19.1$, $p = 0.265$, Cramer's $V = 0.046$

Table K93. Rating for fixing eroded or trampled areas by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
A	50%	48%	35%	38%	42%
B	36%	37%	46%	44%	37%
C	10%	13%	15%	12%	16%
D	3%	2%	2%	4%	3%
F	1%	1%	1%	1%	2%
Total	100%	100%	100%	100%	100%

$\chi^2 = 44.3$, $p < 0.001$, Cramer's $V = 0.070$

Table K94. Rating for trail condition and maintenance by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
A	62%	64%	56%	56%	58%
B	31%	31%	33%	36%	31%
C	7%	4%	9%	7%	8%
D	0%	1%	1%	1%	3%
F	0%	0%	1%	0%	1%
Total	100%	100%	100%	100%	100%

$\chi^2 = 33.3$, $p = 0.007$, Cramer's $V = 0.058$

Table K95. Rating for enforcement of rules by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
A	58%	40%	44%	41%	40%
B	29%	39%	35%	31%	33%
C	9%	17%	14%	20%	18%
D	2%	3%	5%	5%	7%
F	3%	0%	1%	2%	2%
Total	100%	100%	100%	100%	100%

$\chi^2 = 52.0$, $p < 0.001$, Cramer's $V = 0.084$

Table K96. Rating for ability to access your destination by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
A	72%	77%	77%	74%	80%
B	24%	19%	20%	23%	17%
C	2%	4%	2%	2%	2%
D	1%	0%	0%	1%	1%
F	1%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%

$\chi^2 = 31.1$, $p=0.013$, Cramer's $V=0.057$

Table K97. Rating for trailhead and nature education by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
A	50%	53%	50%	43%	48%
B	32%	33%	37%	41%	34%
C	16%	12%	12%	16%	16%
D	1%	2%	1%	0%	2%
F	0%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%

$\chi^2 = 30.3$, $p=0.016$, Cramer's $V=0.061$

Table K98. Rating for trash cans and bag dispensers by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
A	50%	52%	48%	50%	50%
B	34%	30%	36%	32%	28%
C	11%	14%	13%	16%	14%
D	4%	4%	2%	2%	7%
F	0%	1%	1%	1%	1%
Total	100%	100%	100%	100%	100%

$\chi^2 = 29.1$, $p=0.023$, Cramer's $V=0.058$

Table K99. Rating for overall satisfaction with OSMP by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
A	74%	73%	71%	67%	74%
B	23%	25%	27%	28%	22%
C	1%	1%	2%	4%	3%
D	0%	0%	0%	1%	0%
F	1%	0%	0%	0%	1%
Total	100%	100%	100%	100%	100%

$\chi^2 = 34.0$, $p=0.005$, Cramer's $V=0.059$

Table K100. Rating for experience with hikers by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
A	81%	77%	78%	78%	82%
B	17%	20%	20%	21%	16%
C	2%	3%	2%	1%	2%
D	0%	0%	0%	0%	0%
F	0%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%

$\chi^2 = 13.7$, $p=0.622$, Cramer's $V=0.038$

Table K101. Rating for experience with runners by frequency of visitation to OSMP\

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
A	76%	68%	70%	70%	73%
B	19%	27%	24%	26%	22%
C	3%	4%	5%	4%	4%
D	2%	0%	1%	1%	0%
F	0%	1%	0%	0%	0%
Total	100%	100%	100%	100%	100%

$\chi^2 = 23.4$, $p=0.103$, Cramer's $V=0.051$

Table K102. Rating for experience with cyclists by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
A	70%	53%	45%	44%	40%
B	19%	31%	30%	35%	35%
C	7%	9%	18%	14%	16%
D	4%	4%	4%	4%	6%
F	0%	3%	3%	2%	3%
Total	100%	100%	100%	100%	100%

$\chi^2 = 63.3$, $p < 0.001$, Cramer's $V = 0.098$

Table K103. Rating for experience with equestrians by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
A	69%	65%	45%	49%	61%
B	14%	22%	35%	37%	24%
C	16%	8%	16%	12%	11%
D	1%	4%	3%	2%	2%
F	0%	1%	1%	0%	1%
Total	100%	100%	100%	100%	100%

$\chi^2 = 46.4$, $p < 0.001$, Cramer's $V = 0.108$

Table K104. Rating for experience with dogs and dog guardians by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
A	71%	57%	48%	47%	54%
B	20%	29%	31%	31%	28%
C	6%	10%	14%	14%	11%
D	1%	3%	5%	5%	4%
F	2%	1%	3%	2%	2%
Total	100%	100%	100%	100%	100%

$\chi^2 = 71.2$, $p < 0.001$, Cramer's $V = 0.087$

Table K105. Percentage of respondents reporting having experienced recreational conflict on the day of their visit by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
Yes	6%	7%	6%	6%	8%
No	94%	93%	94%	94%	92%
Total	100%	100%	100%	100%	100%

$\chi^2= 1.7$, $p=0.789$, Cramer's $V=0.087$

Table K106. Percentage of respondents reporting having experienced recreational conflict within the past 12 months by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
Yes	12%	33%	43%	43%	53%
No	88%	67%	57%	57%	47%
Total	100%	100%	100%	100%	100%

$\chi^2= 117.3$, $p<0.001$, Cramer's $V=0.251$

Table K107. Percentage of respondents reporting having experienced recreational conflict specifically with dogs or dog guardians on the day of their visit by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
Yes	5%	5%	5%	4%	4%
No	95%	95%	95%	96%	96%
Total	100%	100%	100%	100%	100%

$\chi^2= 1.5$, $p=0.821$, Cramer's $V=0.026$

Table K108. Percentage of respondents reporting having experienced recreational conflict specifically with dogs or dog guardians within the past 12 months by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
Yes	8%	24%	32%	32%	35%
No	92%	76%	68%	68%	65%
Total	100%	100%	100%	100%	100%

$\chi^2= 60.0$, $p<0.001$, Cramer's $V=0.189$

Table K109. Percentage of respondents reporting having experienced recreational conflict specifically with cyclists on the day of their visit by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
Yes	2%	2%	2%	2%	4%
No	98%	98%	98%	98%	96%
Total	100%	100%	100%	100%	100%

$\chi^2= 4.4$, $p=0.351$, Cramer's $V=0.044$

Table K110. Percentage of respondents reporting having experienced recreational conflict specifically with cyclists within the past 12 months by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
Yes	5%	12%	21%	19%	23%
No	95%	88%	79%	81%	77%
Total	100%	100%	100%	100%	100%

$\chi^2= 41.3$, $p<0.001$, Cramer's $V=0.159$

Table K111. Percentage of respondents reporting avoiding or using an area less by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
Yes	4%	8%	10%	11%	12%
No	96%	92%	90%	89%	88%
Total	100%	100%	100%	100%	100%

$\chi^2= 19.8$, $p=0.001$, Cramer's $V=0.90$

Table K112. Percentage of respondents in age groups by frequency of visitation to OSMP

	Fewer than or equal to 1 time per mo.	Greater than 1 time per mo. up to 4 times	Greater than 4 times per mo. up to 12 times	Greater than 12 times per mo. up to 20	More than 20 times per mo.
<20	4%	3%	1%	1%	2%
20-29	28%	24%	17%	14%	6%
30-39	23%	27%	21%	17%	17%
40-49	14%	16%	24%	25%	26%
50-59	17%	18%	23%	24%	25%
60-69	13%	10%	10%	16%	18%
70+	2%	2%	4%	4%	5%
Total	100%	100%	100%	100%	100%

$\chi^2 = 165.8, p < 0.001, \text{Cramer's } V = 0.131$

Responses by reason for visit

Table K113. Length of visit by reason for visit

	Activities	Place	Family or Friends
<30 minutes	19%	13%	8%
30 to 59 minutes	37%	35%	25%
60 to 89 minutes	20%	20%	21%
90 to 119 minutes	10%	14%	17%
120+ minutes	14%	18%	28%
Total	100%	100%	100%

$\chi^2 = 57.1, p < 0.001, \text{Cramer's } V = 0.114$

Table K114. Mode of transportation by reason for visit

	Activities	Place	Family or Friends
Car	52%	61%	74%
Walk/Run	36%	33%	25%
Bike	12%	6%	2%
Total	100%	100%	100%

$\chi^2 = 57.8, p < 0.001, \text{Cramer's } V = 0.115$

Table K115. Activity group by reason for visit

	Activities	Place	Family or Friends
Hikers	24%	39%	60%
Runners	24%	9%	1%
Cyclists	15%	5%	1%
Dog Guardians	30%	34%	24%
Others	7%	13%	14%
Total	100%	100%	100%

$\chi^2 = 251.1$, $p < 0.001$, Cramer's $V = 0.249$

Table K116. Residency by reason for visit

	Activities	Place	Family or Friends
City of Boulder	64%	57%	34%
Boulder County	20%	19%	16%
Metro Denver	8%	8%	21%
Other area in Colorado	3%	4%	6%
Out of State	4%	10%	22%
Out of Country	1%	3%	2%
Total	100%	100%	100%

$\chi^2 = 147.0$, $p < 0.001$, Cramer's $V = 0.182$

Table K117. Frequency of visits to OSMP per month by reason for visit

	Activities	Place	Family or Friends
Fewer than or equal to 1 time per mo.	10%	18%	51%
Greater than 1 time per mo. up to 4 times	17%	19%	14%
Greater than 4 times per mo. up to 12 times	28%	27%	20%
Greater than 12 times per mo. up to 20	24%	18%	11%
More than 20 times per mo.	21%	18%	4%
Fewer than or equal to 1 time per mo.	10%	18%	51%
Total	100%	100%	100%

$\chi^2 = 221.7$, $p < 0.001$, Cramer's $V = 0.224$

Table K118. Number of years visiting OSMP by reason for visit

	Activities	Place	Family or Friends
Less than or equal to 1 year	11%	18%	32%
Greater than 1 year up to 2	5%	7%	7%
Greater than 2 years up to 5	16%	11%	12%
Greater than 5 years up to 10	19%	14%	13%
Greater than 10 years up to 20	27%	25%	21%
Greater than 20 years	23%	25%	14%
Total	100%	100%	100%

$\chi^2 = 85.7$, $p < 0.001$, Cramer's $V = 0.140$

Table K119. Rating for restroom cleanliness by reason for visit

	Activities	Place	Family or Friends
A	38%	43%	41%
B	41%	38%	40%
C	16%	15%	16%
D	3%	3%	3%
F	1%	1%	0%
Total	100%	100%	100%

$\chi^2 = 4.2$, $p = 0.840$, Cramer's $V = 0.045$

Table K120. Rating for usefulness of signs and brochures by reason for visit

	Activities	Place	Family or Friends
A	54%	54%	50%
B	34%	34%	40%
C	11%	10%	7%
D	2%	1%	2%
F	0%	1%	0%
Total	100%	100%	100%

$\chi^2 = 12.6$, $p = 0.125$, Cramer's $V = 0.056$

Table K121. Rating for fixing eroded or trampled areas by reason for visit

	Activities	Place	Family or Friends
A	40%	44%	36%
B	42%	41%	40%
C	14%	12%	20%
D	3%	3%	3%
F	1%	1%	0%
Total	100%	100%	100%

$\chi^2 = 13.2$, $p=0.105$, Cramer's $V=0.057$

Table K122. Rating for trail condition and maintenance by reason for visit

	Activities	Place	Family or Friends
A	57%	60%	58%
B	35%	33%	30%
C	6%	6%	11%
D	2%	1%	0%
F	1%	0%	0%
Total	100%	100%	100%

$\chi^2 = 19.3$, $p=0.013$, Cramer's $V=0.067$

Table K123. Rating for enforcement of rules by reason for visit

	Activities	Place	Family or Friends
A	41%	46%	46%
B	36%	31%	35%
C	16%	17%	14%
D	5%	5%	5%
F	2%	1%	0%
Total	100%	100%	100%

$\chi^2 = 6.8$, $p=0.557$, Cramer's $V=0.046$

Table K124. Rating for ability to access your destination by reason for visit

	Activities	Place	Family or Friends
A	79%	75%	66%
B	19%	22%	27%
C	2%	3%	3%
D	0%	1%	4%
F	1%	0%	0%
Total	100%	100%	100%

$\chi^2 = 47.2$, $p<0.001$, Cramer's $V=0.105$

Table K125. Rating for trailhead and nature education by reason for visit

	Activities	Place	Family or Friends
A	46%	51%	49%
B	38%	34%	36%
C	14%	14%	13%
D	1%	1%	2%
F	0%	0%	0%
Total	100%	100%	100%

$\chi^2 = 6.5$, $p = 0.589$, Cramer's $V = 0.043$

Table K126. Rating for trash cans and bag dispensers by reason for visit

	Activities	Place	Family or Friends
A	49%	50%	47%
B	31%	33%	32%
C	15%	11%	15%
D	3%	4%	6%
F	1%	1%	0%
Total	100%	100%	100%

$\chi^2 = 11.9$, $p = 0.156$, Cramer's $V = 0.055$

Table K127. Rating for overall satisfaction with OSMP by reason for visit

	Activities	Place	Family or Friends
A	70%	72%	76%
B	26%	25%	23%
C	3%	2%	2%
D	0%	0%	0%
F	1%	0%	0%
Total	100%	100%	100%

$\chi^2 = 6.4$, $p = 0.602$, Cramer's $V = 0.038$

Table K128. Rating for experience with hikers by reason for visit

	Activities	Place	Family or Friends
A	80%	77%	80%
B	17%	21%	18%
C	3%	1%	2%
D	0%	0%	0%
F	0%	0%	0%
Total	100%	100%	100%

$\chi^2 = 9.8$, $p = 0.278$, Cramer's $V = 0.048$

Table K129. Rating for experience with runners by reason for visit

	Activities	Place	Family or Friends
A	75%	66%	71%
B	21%	27%	25%
C	3%	6%	4%
D	1%	1%	0%
F	0%	0%	0%
Total	100%	100%	100%

$\chi^2 = 22.6$, $p = 0.004$, Cramer's $V = 0.076$

Table K130. Rating for experience with cyclists by reason for visit

	Activities	Place	Family or Friends
A	51%	41%	55%
B	32%	30%	20%
C	13%	17%	19%
D	3%	7%	5%
F	1%	5%	1%
Total	100%	100%	100%

$\chi^2 = 45.7$, $p < 0.001$, Cramer's $V = 0.126$

Table K131. Rating for experience with equestrians by reason for visit

	Activities	Place	Family or Friends
A	52%	51%	70%
B	31%	34%	14%
C	14%	12%	12%
D	2%	3%	2%
F	1%	2%	2%
Total	100%	100%	100%

$\chi^2 = 12.2$, $p = 0.141$, Cramer's $V = 0.084$

Table K132. Rating for experience with dogs and dog guardians by reason for visit

	Activities	Place	Family or Friends
A	53%	52%	64%
B	30%	27%	22%
C	11%	14%	8%
D	4%	5%	5%
F	2%	3%	0%
Total	100%	100%	100%

$\chi^2 = 21.7$, $p = 0.005$, Cramer's $V = 0.073$

Table K133. Percentage of respondents reporting having experienced recreational conflict on the day of their visit by reason for visit

	Activities	Place	Family or Friends
Yes	6%	7%	8%
No	94%	93%	92%
Total	100%	100%	100%

$\chi^2 = 1.4$, $p=0.506$, Cramer's $V=0.025$

Table K134. Percentage of respondents reporting having experienced recreational conflict within the past 12 months by reason for visit

	Activities	Place	Family or Friends
Yes	43%	37%	23%
No	57%	63%	77%
Total	100%	100%	100%

$\chi^2 = 20.8$, $p<0.001$, Cramer's $V=0.112$

Table K135. Percentage of respondents reporting having experienced recreational conflict specifically with dogs or dog guardians on the day of their visit by reason for visit

	Activities	Place	Family or Friends
Yes	4%	5%	7%
No	96%	95%	93%
Total	100%	100%	100%

$\chi^2 = 2.0$, $p=0.367$, Cramer's $V=0.032$

Table K136. Percentage of respondents reporting having experienced recreational conflict specifically with dogs or dog guardians within the past 12 months by reason for visit

	Activities	Place	Family or Friends
Yes	31%	26%	16%
No	69%	74%	84%
Total	100%	100%	100%

$\chi^2 = 14.0$, $p=0.001$, Cramer's $V=0.096$

Table K137. Percentage of respondents reporting having experienced recreational conflict specifically with cyclists on the day of their visit by reason for visit

	Activities	Place	Family or Friends
Yes	1%	3%	3%
No	99%	97%	97%
Total	100%	100%	100%

$\chi^2 = 6.2$, $p=0.046$, Cramer's $V=0.056$

Table K138. Percentage of respondents reporting having experienced recreational conflict specifically with cyclists within the past 12 months by reason for visit

	Activities	Place	Family or Friends
Yes	16%	19%	12%
No	84%	81%	88%
Total	100%	100%	100%

$\chi^2 = 4.4$, $p=0.109$, Cramer's $V=0.055$

Table K139. Percentage of respondents reporting avoiding or using an area less by reason for visit

	Activities	Place	Family or Friends
Yes	9%	10%	5%
No	91%	90%	95%
Total	100%	100%	100%

$\chi^2 = 4.9$, $p=0.088$, Cramer's $V=0.048$

Table K140. Percentage of respondents in age groups by reason for visit

	Activities	Place	Family or Friends
<20	1%	2%	6%
20-29	15%	18%	27%
30-39	24%	17%	21%
40-49	24%	18%	24%
50-59	21%	23%	14%
60-69	12%	17%	8%
70+	3%	4%	1%
Total	100%	100%	100%

$\chi^2 = 82.9$, $p<0.001$, Cramer's $V=0.139$

Responses by reason for age

Table K141. Length of visit by age

	<30	30-39	40-49	50-59	60+
<30 minutes	12%	18%	16%	17%	16%
30 to 59 minutes	30%	35%	33%	36%	44%
60 to 89 minutes	18%	19%	21%	18%	23%
90 to 119 minutes	15%	14%	12%	13%	7%
120+ minutes	25%	13%	17%	16%	10%
Total	100%	100%	100%	100%	100%

$\chi^2 = 72.9$, $p<0.001$, Cramer's $V=0.087$

Table K142. Mode of transportation by age

	<30	30-39	40-49	50-59	60+
Car	62%	58%	54%	55%	53%
Walk/Run	29%	34%	33%	36%	40%
Bike	9%	8%	12%	10%	6%
Total	100%	100%	100%	100%	100%

$\chi^2 = 23.2$, $p=0.003$, Cramer's $V=0.069$

Table K143. Reason for visit by age

	<30	30-39	40-49	50-59	60+
Activities	41%	57%	54%	49%	41%
Place	43%	34%	35%	45%	54%
Family or Friends	16%	10%	11%	6%	5%
Total	100%	100%	100%	100%	100%

$\chi^2 = 73.2$, $p<0.001$, Cramer's $V=0.131$

Table K144. Activity group by age

	<30	30-39	40-49	50-59	60+
Hikers	43%	28%	26%	27%	46%
Runners	11%	20%	22%	16%	7%
Cyclists	9%	10%	15%	12%	5%
Dog Guardians	23%	31%	31%	36%	31%
Others	14%	10%	6%	9%	10%
Total	100%	100%	100%	100%	100%

$\chi^2 = 129.3$, $p<0.001$, Cramer's $V=0.121$

Table K145. Residency by age

	<30	30-39	40-49	50-59	60+
City of Boulder	57%	56%	61%	63%	61%
Boulder County	9%	20%	24%	20%	19%
Metro Denver	14%	11%	8%	6%	5%
Other area in Colorado	4%	5%	3%	3%	3%
Out of State	13%	6%	5%	8%	10%
Out of Country	3%	2%	0%	1%	2%
Total	100%	100%	100%	100%	100%

$\chi^2 = 111.7$, $p<0.001$, Cramer's $V=0.107$

Table K146. Frequency of visits to OSMP per month by age

	<30	30-39	40-49	50-59	60+
Fewer than or equal to 1 time per mo.	28%	19%	11%	13%	16%
Greater than 1 time per mo. up to 4 times	24%	22%	14%	14%	12%
Greater than 4 times per mo. up to 12 times	25%	27%	30%	29%	23%
Greater than 12 times per mo. up to 20	16%	17%	24%	23%	24%
More than 20 times per mo.	7%	15%	22%	21%	25%
Fewer than or equal to 1 time per mo.	28%	19%	11%	13%	16%
Total	100%	100%	100%	100%	100%

$\chi^2 = 155.3$, $p < 0.001$, Cramer's $V = 0.126$

Table K147. Number of years visiting OSMP by age

	<30	30-39	40-49	50-59	60+
Less than or equal to 1 year	38%	20%	8%	12%	10%
Greater than 1 year up to 2	15%	7%	5%	5%	3%
Greater than 2 years up to 5	26%	21%	12%	8%	8%
Greater than 5 years up to 10	14%	30%	23%	11%	11%
Greater than 10 years up to 20	11%	25%	43%	32%	20%
Greater than 20 years	5%	6%	18%	45%	63%
Total	100%	100%	100%	100%	100%

$\chi^2 = 845.2$, $p < 0.001$, Cramer's $V = 0.295$

Table K148. Rating for restroom cleanliness by age

	<30	30-39	40-49	50-59	60+
A	46%	46%	34%	37%	48%
B	41%	34%	46%	39%	29%
C	10%	17%	14%	18%	21%
D	3%	2%	3%	4%	2%
F	0%	1%	3%	1%	0%
Total	100%	100%	100%	100%	100%

$\chi^2 = 41.7$, $p < 0.001$, Cramer's $V = 0.095$

Table K149. Rating for usefulness of signs and brochures by age

	<30	30-39	40-49	50-59	60+
A	59%	58%	52%	47%	50%
B	32%	29%	36%	39%	37%
C	9%	12%	10%	11%	10%
D	0%	1%	2%	3%	3%
F	0%	0%	0%	1%	1%
Total	100%	100%	100%	100%	100%

$\chi^2 = 31.9$, $p = 0.01$, Cramer's $V = 0.060$

Table K150. Rating for fixing eroded or trampled areas by age

	<30	30-39	40-49	50-59	60+
A	50%	46%	39%	38%	34%
B	36%	38%	45%	41%	45%
C	10%	14%	13%	16%	15%
D	3%	2%	2%	4%	4%
F	1%	0%	1%	1%	3%
Total	100%	100%	100%	100%	100%

$\chi^2 = 53.4$, $p < 0.001$, Cramer's $V = 0.078$

Table K151. Rating for trail condition and maintenance by age

	<30	30-39	40-49	50-59	60+
A	66%	66%	55%	53%	54%
B	29%	26%	39%	35%	36%
C	5%	7%	5%	9%	8%
D	0%	1%	1%	2%	1%
F	0%	0%	0%	0%	2%
Total	100%	100%	100%	100%	100%

$\chi^2 = 66.8$, $p < 0.001$, Cramer's $V = 0.084$

Table K152. Rating for enforcement of rules by age

	<30	30-39	40-49	50-59	60+
A	55%	55%	33%	35%	44%
B	33%	27%	45%	33%	29%
C	10%	13%	17%	20%	18%
D	2%	3%	2%	10%	6%
F	0%	1%	3%	1%	2%
Total	100%	100%	100%	100%	100%

$\chi^2 = 128.0$, $p < 0.001$, Cramer's $V = 0.134$

Table K153. Rating for ability to access your destination by age

	<30	30-39	40-49	50-59	60+
A	80%	79%	71%	73%	81%
B	18%	19%	25%	22%	15%
C	1%	2%	3%	3%	3%
D	1%	0%	0%	2%	0%
F	0%	0%	1%	0%	0%
Total	100%	100%	100%	100%	100%

$\chi^2 = 46.7$, $p < 0.001$, Cramer's $V = 0.070$

Table K154. Rating for trailhead and nature education by age

	<30	30-39	40-49	50-59	60+
A	52%	55%	47%	46%	43%
B	37%	32%	38%	35%	37%
C	10%	12%	14%	18%	19%
D	1%	1%	1%	1%	2%
F	0%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%

$\chi^2 = 31.9$, $p=0.010$, Cramer's $V=0.064$

Table K155. Rating for trash cans and bag dispensers by age

	<30	30-39	40-49	50-59	60+
A	52%	54%	48%	45%	49%
B	35%	27%	31%	37%	34%
C	9%	14%	18%	13%	13%
D	3%	5%	4%	4%	2%
F	2%	0%	0%	1%	1%
Total	100%	100%	100%	100%	100%

$\chi^2 = 42.0$, $p<0.001$, Cramer's $V=0.070$

Table K156. Rating for overall satisfaction with OSMP by age

	<30	30-39	40-49	50-59	60+
A	77%	76%	71%	68%	66%
B	22%	23%	26%	26%	29%
C	1%	1%	2%	4%	5%
D	1%	0%	0%	1%	0%
F	0%	0%	1%	1%	1%
Total	100%	100%	100%	100%	100%

$\chi^2 = 53.5$, $p<0.001$, Cramer's $V=0.075$

Table K157. Rating for experience with hikers by age

	<30	30-39	40-49	50-59	60+
A	81%	80%	76%	79%	80%
B	15%	18%	21%	20%	19%
C	3%	1%	3%	1%	1%
D	0%	0%	0%	0%	0%
F	0%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%

$\chi^2 = 19.2$, $p=0.261$, Cramer's $V=0.045$

Table K158. Rating for experience with runners by age

	<30	30-39	40-49	50-59	60+
A	77%	76%	71%	65%	67%
B	18%	21%	24%	30%	26%
C	4%	3%	3%	4%	6%
D	0%	0%	1%	1%	1%
F	0%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%

$\chi^2 = 41.0$, $p=0.001$, Cramer's V=0.069

Table K159. Rating for experience with cyclists by age

	<30	30-39	40-49	50-59	60+
A	60%	60%	44%	41%	33%
B	22%	25%	38%	32%	35%
C	13%	11%	13%	17%	18%
D	4%	2%	3%	5%	9%
F	1%	2%	2%	4%	6%
Total	100%	100%	100%	100%	100%

$\chi^2 = 94.1$, $p<0.001$, Cramer's V=0.121

Table K160. Rating for experience with equestrians by age

	<30	30-39	40-49	50-59	60+
A	62%	65%	52%	47%	54%
B	23%	23%	32%	36%	29%
C	12%	9%	14%	14%	10%
D	2%	3%	2%	2%	7%
F	1%	1%	1%	2%	1%
Total	100%	100%	100%	100%	100%

$\chi^2 = 33.3$, $p=0.007$, Cramer's V=0.093

Table K161. Rating for experience with dogs and dog guardians by age

	<30	30-39	40-49	50-59	60+
A	69%	63%	46%	46%	46%
B	24%	22%	34%	31%	29%
C	4%	11%	11%	16%	16%
D	2%	3%	5%	6%	4%
F	1%	1%	4%	2%	5%
Total	100%	100%	100%	100%	100%

$\chi^2 = 127.3$, $p<0.001$, Cramer's V=0.119

Table K162. Percentage of respondents reporting having experienced recreational conflict on the day of their visit by age

	<30	30-39	40-49	50-59	60+
Yes	5%	5%	5%	8%	11%
No	95%	95%	95%	92%	89%
Total	100%	100%	100%	100%	100%

$\chi^2 = 21.2$, $p < 0.001$, Cramer's $V = 0.094$

Table K163. Percentage of respondents reporting having experienced recreational conflict within the past 12 months by age

	<30	30-39	40-49	50-59	60+
Yes	22%	31%	46%	51%	46%
No	78%	69%	54%	49%	54%
Total	100%	100%	100%	100%	100%

$\chi^2 = 91.8$, $p < 0.001$, Cramer's $V = 0.224$

Table K164. Percentage of respondents reporting having experienced recreational conflict specifically with dogs or dog guardians on the day of their visit by age

	<30	30-39	40-49	50-59	60+
Yes	3%	4%	3%	5%	7%
No	97%	96%	97%	95%	93%
Total	100%	100%	100%	100%	100%

$\chi^2 = 11.1$, $p = 0.025$, Cramer's $V = 0.071$

Table K165. Percentage of respondents reporting having experienced recreational conflict specifically with dogs or dog guardians within the past 12 months by age

	<30	30-39	40-49	50-59	60+
Yes	15%	23%	35%	35%	30%
No	85%	77%	65%	65%	70%
Total	100%	100%	100%	100%	100%

$\chi^2 = 51.6$, $p < 0.001$, Cramer's $V = 0.177$

Table K166. Percentage of respondents reporting having experienced recreational conflict specifically with cyclists on the day of their visit by age

	<30	30-39	40-49	50-59	60+
Yes	2%	0%	2%	2%	6%
No	98%	100%	98%	98%	94%
Total	100%	100%	100%	100%	100%

$\chi^2 = 30.0$, $p < 0.001$, Cramer's $V = 0.117$

Table K167. Percentage of respondents reporting having experienced recreational conflict specifically with cyclists within the past 12 months by age

	<30	30-39	40-49	50-59	60+
Yes	8%	10%	16%	25%	29%
No	92%	90%	84%	75%	71%
Total	100%	100%	100%	100%	100%

$\chi^2 = 69.4$, $p < 0.001$, Cramer's $V = 0.208$

Table K168. Percentage of respondents reporting avoiding or using an area less by age

	<30	30-39	40-49	50-59	60+
Yes	3%	7%	9%	13%	13%
No	97%	93%	91%	87%	87%
Total	100%	100%	100%	100%	100%

$\chi^2 = 37.2$, $p < 0.001$, Cramer's $V = 0.126$

Responses by volume of access point where visitor exited

Table K169. Length of visit by volume of access point where visitor exited

	High	Medium	Low	Very Low
<30 minutes	28%	23%	32%	17%
30 to 59 minutes	32%	23%	36%	10%
60 to 89 minutes	38%	18%	42%	2%
90 to 119 minutes	38%	15%	42%	5%
120+ minutes	44%	11%	33%	12%
Total	100%	100%	100%	100%

$\chi^2 = 23.2$, $p = 0.003$, Cramer's $V = 0.069$

Table K170. Mode of transportation by volume of access point where visitor exited

	High	Medium	Low	Very Low
Car	67%	65%	34%	35%
Walk/Run	26%	30%	53%	42%
Bike	8%	5%	13%	23%
Total	100%	100%	100%	100%

$\chi^2 = 241.2$, $p < 0.001$, Cramer's $V = 0.219$

Table K171. Reason for visit by volume of access point where visitor exited

	High	Medium	Low	Very Low
Activities	45%	46%	55%	61%
Place	43%	44%	43%	25%
Family or Friends	12%	10%	2%	14%
Total	100%	100%	100%	100%

$\chi^2 = 59.8$, $p < 0.001$, Cramer's $V = 0.116$

Table K172. Activity group by volume of access point where visitor exited

	High	Medium	Low	Very Low
Hikers	43%	34%	20%	24%
Runners	12%	16%	26%	5%
Cyclists	6%	9%	13%	27%
Dog Guardians	30%	29%	30%	41%
Others	9%	12%	11%	2%
Total	100%	100%	100%	100%

$\chi^2 = 201.7$, $p < 0.001$, Cramer's $V = 0.172$

Table K173. Residency by volume of access point where visitor exited

	High	Medium	Low	Very Low
City of Boulder	56%	57%	70%	56%
Boulder County	18%	18%	18%	26%
Metro Denver	10%	10%	2%	12%
Other area in Colorado	4%	5%	2%	0%
Out of State	10%	8%	7%	5%
Out of Country	2%	1%	2%	2%
Total	100%	100%	100%	100%

$\chi^2 = 86.4$, $p < 0.001$, Cramer's $V = 0.107$

Table K174. Frequency of visits to OSMP per month by volume of access point where visitor exited

	High	Medium	Low	Very Low
Fewer than or equal to 1 time per mo.	19%	18%	8%	26%
Greater than 1 time per mo. up to 4 times	21%	18%	13%	9%
Greater than 4 times per mo. up to 12 times	27%	27%	26%	26%
Greater than 12 times per mo. up to 20	18%	20%	26%	21%
More than 20 times per mo.	15%	16%	28%	19%
Total	100%	100%	100%	100%

$\chi^2 = 99.5$, $p < 0.001$, Cramer's $V = 0.115$

Table K175. Number of years visiting OSMP by volume of access point where visitor exited

	High	Medium	Low	Very Low
Less than or equal to 1 year	20%	14%	9%	19%
Greater than 1 year up to 2	6%	7%	5%	12%
Greater than 2 years up to 5	16%	12%	14%	12%
Greater than 5 years up to 10	15%	17%	14%	19%
Greater than 10 years up to 20	25%	25%	27%	19%
Greater than 20 years	19%	25%	32%	21%
Total	100%	100%	100%	100%

$\chi^2 = 78.1$, $p < 0.001$, Cramer's $V = 0.102$

Table K176. Rating for restroom cleanliness by volume of access point where visitor exited

	High	Medium	Low	Very Low
A	42%	43%	37%	33%
B	35%	40%	37%	67%
C	18%	14%	18%	0%
D	3%	2%	7%	0%
F	1%	1%	1%	0%
Total	100%	100%	100%	100%

$\chi^2 = 43.8$, $p < 0.001$, Cramer's $V = 0.111$

Table K177. Rating for usefulness of signs and brochures by volume of access point where visitor exited

	High	Medium	Low	Very Low
A	56%	55%	49%	50%
B	33%	34%	34%	44%
C	10%	8%	17%	6%
D	2%	2%	1%	0%
F	0%	1%	0%	0%
Total	100%	100%	100%	100%

$\chi^2 = 51.5$, $p < 0.001$, Cramer's $V = 0.087$

Table K178. Rating for fixing eroded or trampled areas by volume of access point where visitor exited

	High	Medium	Low	Very Low
A	44%	45%	34%	36%
B	37%	40%	47%	47%
C	16%	11%	14%	14%
D	3%	3%	3%	3%
F	1%	1%	2%	0%
Total	100%	100%	100%	100%

$\chi^2 = 31.9$, $p = 0.001$, Cramer's $V = 0.068$

Table K179. Rating for trail condition and maintenance by volume of access point where visitor exited

	High	Medium	Low	Very Low
A	59%	60%	57%	57%
B	33%	32%	35%	31%
C	6%	7%	6%	12%
D	1%	1%	2%	0%
F	0%	0%	1%	0%
Total	100%	100%	100%	100%

$\chi^2 = 16.5$, $p = 0.171$, Cramer's $V = 0.047$

Table K180. Rating for enforcement of rules by volume of access point where visitor exited

	High	Medium	Low	Very Low
A	44%	45%	39%	52%
B	36%	32%	33%	36%
C	14%	17%	21%	4%
D	5%	4%	5%	4%
F	2%	1%	1%	4%
Total	100%	100%	100%	100%

$\chi^2 = 34.7$, $p=0.001$, Cramer's $V=0.079$

Table K181. Rating for ability to access your destination by volume of access point where visitor exited

	High	Medium	Low	Very Low
A	76%	77%	73%	76%
B	20%	19%	25%	20%
C	3%	2%	2%	0%
D	1%	1%	0%	2%
F	0%	0%	0%	2%
Total	100%	100%	100%	100%

$\chi^2 = 61.2$, $p<0.001$, Cramer's $V=0.091$

Table K182. Rating for trailhead and nature education by volume of access point where visitor exited

	High	Medium	Low	Very Low
A	51%	49%	43%	47%
B	34%	35%	36%	47%
C	13%	14%	20%	7%
D	2%	1%	1%	0%
F	0%	0%	0%	0%
Total	100%	100%	100%	100%

$\chi^2 = 32.3$, $p=0.001$, Cramer's $V=0.073$

Table K183. Rating for trash cans and bag dispensers by volume of access point where visitor exited

	High	Medium	Low	Very Low
A	53%	51%	45%	39%
B	32%	33%	32%	33%
C	12%	13%	16%	21%
D	3%	2%	6%	6%
F	1%	1%	0%	0%
Total	100%	100%	100%	100%

$\chi^2 = 45.3$, $p<0.001$, Cramer's $V=0.082$

Table K184. Rating for overall satisfaction with OSMP by volume of access point where visitor exited

	High	Medium	Low	Very Low
A	72%	72%	68%	76%
B	25%	25%	29%	19%
C	2%	2%	3%	2%
D	0%	0%	0%	0%
F	0%	0%	0%	2%
Total	100%	100%	100%	100%

$\chi^2 = 36.1$, $p < 0.001$, Cramer's $V = 0.070$

Table K185. Rating for experience with hikers by volume of access point where visitor exited

	High	Medium	Low	Very Low
A	76%	82%	79%	76%
B	22%	16%	19%	18%
C	2%	1%	2%	5%
D	0%	0%	0%	0%
F	0%	0%	0%	0%
Total	100%	100%	100%	100%

$\chi^2 = 27.2$, $p = 0.007$, Cramer's $V = 0.061$

Table K186. Rating for experience with runners by volume of access point where visitor exited

	High	Medium	Low	Very Low
A	66%	74%	74%	71%
B	26%	23%	23%	24%
C	7%	3%	3%	3%
D	1%	1%	0%	3%
F	0%	0%	0%	0%
Total	100%	100%	100%	100%

$\chi^2 = 44.2$, $p < 0.001$, Cramer's $V = 0.081$

Table K187. Rating for experience with cyclists by volume of access point where visitor exited

	High	Medium	Low	Very Low
A	46%	51%	44%	50%
B	30%	29%	35%	35%
C	17%	13%	15%	8%
D	4%	4%	5%	8%
F	3%	3%	2%	0%
Total	100%	100%	100%	100%

$\chi^2 = 23.6$, $p = 0.023$, Cramer's $V = 0.069$

Table K188. Rating for experience with equestrians by volume of access point where visitor exited

	High	Medium	Low	Very Low
A	51%	60%	53%	50%
B	30%	26%	37%	19%
C	14%	10%	7%	31%
D	3%	3%	2%	0%
F	2%	0%	1%	0%
Total	100%	100%	100%	100%

$\chi^2 = 51.1$, $p < 0.001$, Cramer's $V = 0.130$

Table K189. Rating for experience with dogs and dog guardians by volume of access point where visitor exited

	High	Medium	Low	Very Low
A	53%	56%	51%	51%
B	28%	27%	30%	31%
C	12%	12%	10%	13%
D	5%	2%	6%	3%
F	2%	2%	2%	3%
Total	100%	100%	100%	100%

$\chi^2 = 16.8$, $p = 0.159$, Cramer's $V = 0.049$

Table K190. Percentage of respondents reporting having experienced recreational conflict on the day of their visit by volume of access point where visitor exited

	High	Medium	Low	Very Low
Yes	91%	94%	94%	98%
No	9%	6%	6%	2%
Total	100%	100%	100%	100%

$\chi^2 = 16.1$, $p = 0.001$, Cramer's $V = 0.08$

Table K191. Percentage of respondents reporting having experienced recreational conflict within the past 12 months by volume of access point where visitor exited

	High	Medium	Low	Very Low
Yes	62%	64%	55%	56%
No	38%	36%	45%	44%
Total	100%	100%	100%	100%

$\chi^2 = 10.7$, $p = 0.013$, Cramer's $V = 0.075$

Table K192. Percentage of respondents reporting having experienced recreational conflict specifically with dogs or dog guardians on the day of their visit by volume of access point where visitor exited

	High	Medium	Low	Very Low
Yes	93%	97%	96%	97%
No	7%	3%	4%	3%
Total	100%	100%	100%	100%

$\chi^2 = 12.8$, $p=0.005$, Cramer's $V=0.075$

Table K193. Percentage of respondents reporting having experienced recreational conflict specifically with dogs or dog guardians within the past 12 months by volume of access point where visitor exited

	High	Medium	Low	Very Low
Yes	74%	75%	69%	61%
No	26%	25%	31%	39%
Total	100%	100%	100%	100%

$\chi^2 = 13.7$, $p=0.003$, Cramer's $V=0.090$

Table K194. Percentage of respondents reporting having experienced recreational conflict specifically with cyclists on the day of their visit by volume of access point where visitor exited

	High	Medium	Low	Very Low
Yes	97%	98%	97%	100%
No	3%	2%	3%	0%
Total	100%	100%	100%	100%

$\chi^2 = 5.9$, $p=0.115$, Cramer's $V=0.051$

Table K195. Percentage of respondents reporting having experienced recreational conflict specifically with cyclists within the past 12 months by volume of access point where visitor exited

	High	Medium	Low	Very Low
Yes	83%	83%	78%	93%
No	17%	17%	22%	7%
Total	100%	100%	100%	100%

$\chi^2 = 18.3$, $p<0.001$, Cramer's $V=0.105$

Table K196. Percentage of respondents reporting avoiding or using an area less by volume of access point where visitor exited

	High	Medium	Low	Very Low
Yes	91%	89%	92%	95%
No	9%	11%	8%	5%
Total	100%	100%	100%	100%

$\chi^2 = 8.5$, $p=0.037$, Cramer's $V=0.059$

Table K197. Percentage of respondents in age groups by volume of access point where visitor exited

	High	Medium	Low	Very Low
<20	4%	1%	1%	0%
20-29	20%	15%	13%	26%
30-39	22%	21%	18%	21%
40-49	21%	23%	18%	26%
50-59	18%	24%	28%	14%
60-69	11%	13%	17%	12%
70+	4%	3%	6%	2%
Total	100%	100%	100%	100%

$\chi^2 = 93.7$, $p < 0.001$, Cramer's $V = 0.113$

Responses by type of day (weekday or weekend) on which survey was taken

Table K198. Length of visit by type of day

	Weekday	Weekend
<30 minutes	15%	18%
30 to 59 minutes	34%	37%
60 to 89 minutes	21%	18%
90 to 119 minutes	12%	13%
120+ minutes	18%	14%
Total	100%	100%

$\chi^2 = 12.8$, $p = 0.012$, Cramer's $V = 0.071$

Table K199. Mode of transportation by type of day

	Weekday	Weekend
Car	60%	51%
Walk/Run	32%	38%
Bike	8%	11%
Total	100%	100%

$\chi^2 = 18.5$, $p < 0.001$, Cramer's $V = 0.086$

Table K200. Reason for visit by type of day

	Weekday	Weekend
Activities	48%	51%
Place	43%	39%
Family or Friends	9%	10%
Total	100%	100%

$\chi^2 = 4.5$, $p = 0.102$, Cramer's $V = 0.045$

Table K201. Activity group by type of day

	Weekday	Weekend
Hikers	36%	30%
Runners	13%	20%
Cyclists	9%	12%
Dog Guardians	31%	30%
Others	11%	8%
Total	100%	100%

$\chi^2 = 26.7$, $p < 0.001$, Cramer's $V = 0.108$

Table K202. Residency by type of day

	Weekday	Weekend
City of Boulder	60%	58%
Boulder County	18%	19%
Metro Denver	7%	11%
Other area in Colorado	3%	4%
Out of State	9%	7%
Out of Country	2%	1%
Total	100%	100%

$\chi^2 = 20.3$, $p = 0.001$, Cramer's $V = 0.090$

Table K203. Frequency of visits to OSMP per month by type of day

	Weekday	Weekend
Fewer than or equal to 1 time per mo.	17%	17%
Greater than 1 time per mo. up to 4 times	16%	19%
Greater than 4 times per mo. up to 12 times	26%	28%
Greater than 12 times per mo. up to 20	22%	18%
More than 20 times per mo.	18%	18%
Total	100%	100%

$\chi^2 = 6.5$, $p = 0.168$, Cramer's $V = 0.051$

Table K204. Number of years visiting OSMP by type of day

	Weekday	Weekend
Less than or equal to 1 year	16%	15%
Greater than 1 year up to 2	6%	7%
Greater than 2 years up to 5	14%	13%
Greater than 5 years up to 10	15%	17%
Greater than 10 years up to 20	23%	27%
Greater than 20 years	26%	21%
Total	100%	100%

$\chi^2 = 11.8$, $p = 0.037$, Cramer's $V = 0.068$

Table K205. Rating for restroom cleanliness by type of day

	Weekday	Weekend
A	43%	38%
B	39%	39%
C	15%	16%
D	2%	5%
F	1%	2%
Total	100%	100%

$\chi^2 = 13.0$, $p=0.011$, Cramer's $V=0.104$

Table K206. Rating for usefulness of signs and brochures by type of day

	Weekday	Weekend
A	53%	54%
B	34%	35%
C	11%	9%
D	1%	2%
F	0%	1%
Total	100%	100%

$\chi^2 = 2.7$, $p=0.607$, Cramer's $V=0.035$

Table K207. Rating for fixing eroded or trampled areas by type of day

	Weekday	Weekend
A	42%	42%
B	40%	42%
C	14%	13%
D	3%	3%
F	1%	1%
Total	100%	100%

$\chi^2 = 1.2$, $p=0.878$, Cramer's $V=0.023$

Table K208. Rating for trail condition and maintenance by type of day

	Weekday	Weekend
A	57%	61%
B	35%	30%
C	7%	7%
D	1%	1%
F	0%	1%
Total	100%	100%

$\chi^2 = 9.3$, $p=0.054$, Cramer's $V=0.061$

Table K209. Rating for enforcement of rules by type of day

	Weekday	Weekend
A	45%	43%
B	34%	33%
C	14%	19%
D	5%	4%
F	2%	1%
Total	100%	100%

$\chi^2 = 9.4$, $p=0.052$, Cramer's $V=0.071$

Table K210. Rating for ability to access your destination by type of day

	Weekday	Weekend
A	76%	75%
B	20%	22%
C	2%	2%
D	1%	1%
F	0%	0%
Total	100%	100%

$\chi^2 = 2.9$, $p=0.577$, Cramer's $V=0.034$

Table K211. Rating for trailhead and nature education by type of day

	Weekday	Weekend
A	48%	51%
B	37%	33%
C	14%	15%
D	1%	1%
F	0%	0%
Total	100%	100%

$\chi^2 = 4.6$, $p=0.332$, Cramer's $V=0.048$

Table K212. Rating for trash cans and bag dispensers by type of day

	Weekday	Weekend
A	50%	49%
B	33%	32%
C	14%	13%
D	3%	5%
F	1%	0%
Total	100%	100%

$\chi^2 = 11.3$, $p=0.024$, Cramer's $V=0.071$

Table K213. Rating for overall satisfaction with OSMP by type of day

	Weekday	Weekend
A	71%	72%
B	26%	25%
C	3%	2%
D	0%	0%
F	1%	0%
Total	100%	100%

$\chi^2 = 2.2$, $p=0.704$, Cramer's $V=0.030$

Table K214. Rating for experience with hikers by type of day

	Weekday	Weekend
A	79%	78%
B	18%	20%
C	2%	2%
D	0%	0%
F	0%	0%
Total	100%	100%

$\chi^2 = 2.3$, $p=0.675$, Cramer's $V=0.031$

Table K215. Rating for experience with runners by type of day

	Weekday	Weekend
A	71%	72%
B	24%	24%
C	4%	4%
D	1%	0%
F	0%	0%
Total	100%	100%

$\chi^2 = 3.5$, $p=0.475$, Cramer's $V=0.039$

Table K216. Rating for experience with cyclists by type of day

	Weekday	Weekend
A	47%	48%
B	31%	32%
C	14%	14%
D	5%	4%
F	3%	2%
Total	100%	100%

$\chi^2 = 2.4$, $p=0.671$, Cramer's $V=0.038$

Table K217. Rating for experience with equestrians by type of day

	Weekday	Weekend
A	55%	55%
B	29%	29%
C	14%	11%
D	2%	3%
F	1%	1%
Total	100%	100%

$\chi^2 = 4.2$, $p=0.380$, Cramer's $V=0.065$

Table K218. Rating for experience with dogs and dog guardians by type of day

	Weekday	Weekend
A	54%	54%
B	29%	28%
C	12%	11%
D	4%	4%
F	2%	2%
Total	100%	100%

$\chi^2 = 1.4$, $p=0.840$, Cramer's $V=0.025$

Table K219. Percentage of respondents reporting having experienced recreational conflict on the day of their visit by type of day

	Weekday	Weekend
Yes	6%	7%
No	94%	93%
Total	100%	100%

$\chi^2 = 1.7$, $p=0.196$

Table K220. Percentage of respondents reporting having experienced recreational conflict within the past 12 months by type of day

	Weekday	Weekend
Yes	39%	39%
No	61%	61%
Total	100%	100%

$\chi^2 = 0.02$, $p=0.888$

Table K221. Percentage of respondents reporting having experienced recreational conflict specifically with dogs or dog guardians on the day of their visit by type of day

	Weekday	Weekend
Yes	4%	6%
No	96%	94%
Total	100%	100%

$\chi^2 = 5.6, p=0.018$

Table K222. Percentage of respondents reporting having experienced recreational conflict specifically with dogs or dog guardians within the past 12 months by type of day

	Weekday	Weekend
Yes	28%	29%
No	72%	71%
Total	100%	100%

$\chi^2 = 0.1, p=0.710$

Table K223. Percentage of respondents reporting having experienced recreational conflict specifically with cyclists on the day of their visit by type of day

	Weekday	Weekend
Yes	2%	2%
No	98%	98%
Total	100%	100%

$\chi^2 = 12.8, p=0.629$

Table K224. Percentage of respondents reporting having experienced recreational conflict specifically with cyclists within the past 12 months by type of day

	Weekday	Weekend
Yes	17%	18%
No	83%	82%
Total	100%	100%

$\chi^2 = 0.2, p=0.654$

Table K225. Percentage of respondents reporting avoiding or using an area less by type of day

	Weekday	Weekend
Yes	10%	7%
No	90%	93%
Total	100%	100%

$\chi^2 = 5.0, p=0.025$

Table K226. Percentage of respondents in age groups by type of day

	Weekday	Weekend
<20	2%	1%
20-29	19%	15%
30-39	19%	23%
40-49	21%	22%
50-59	22%	21%
60-69	12%	15%
70+	4%	2%
Total	100%	100%

$\chi^2 = 25.7, p < 0.001, \text{Cramer's } V = 0.102$

Appendix L. Generalized visitor profiles based on bi-variate and logistic regression analyses.

Hikers without dogs

- Adult hikers are of all ages; an estimated one quarter are less than 30 years old and just less than one quarter (estimated 23%) are 60 years old or older.
- About half of the hikers live within the Boulder city limits and an estimated 18% live within Boulder County but outside the Boulder city limits.
- The number of years hikers have been visiting OSMP varies greatly with an estimated one in five visiting OSMP for more than 20 years, another one in five visiting OSMP between 11 to 20 years, and another one in five visiting OSMP for one year or less.
- About half of the hikers visit OSMP once a week or less; and estimated 29% of hikers visit OSMP once a month or less.
- Most (estimated 70%) hikers get to the trailhead by car.
- Nearly half (estimated 48%) of hikers visit OSMP was to enjoy the place itself; an estimated 36% visit OSMP to enjoy the activities they came to do.
- An estimated half of hikers spend 30-90 minutes visiting OSMP; although nearly one quarter of all hikers visit for longer than two hours.

Runners without dogs

- Most (estimated 79%) adult runners are between the ages of 30 and 60.
- Over three quarters of the runners live within the Boulder city limits; 93% of runners live within Boulder County.
- Most (estimated 69%) runners have been visiting OSMP for more than five years.
- Most (estimated 61%) runners visit OSMP one to five times a week; an estimated 20% visit more than five times per week.
- Most (estimated 64%) runners walk or run to the trailhead.
- Most (estimated 77%) runners visit OSMP to enjoy the activities they came to do.
- Runners tended to have the shortest visits. An estimated three quarters of runners reported visits lasting less than one hour.
- More than half of runners (estimated 51%) report having experienced recreational conflict within the last 12 months.

Cyclists without dogs

- Most (estimated 75%) adult cyclists are between the ages of 30 and 60.
- An estimated 87% of cyclists live in Boulder County
- Over half (estimated 65%) of the cyclists have been visiting OSMP for more than 5 years.
- An estimated 36% of cyclists visit OSMP one to three times per week; over half (estimated 57%) cyclists visit OSMP one to five times a week.
- Most (estimated 78%) cyclists ride their bike to the trailhead.
- Most (estimated 77%) cyclists visit OSMP to enjoy the activities they came to do.
- Most (estimated 54%) cyclists visit OSMP for less than one hour, but an estimated one in eight of cyclists visit for longer than two hours.

Dog walkers and hikers, runners, and cyclists with dogs

- Most (estimated 69%) adult dog guardians are between the ages of 30 and 60.

- An estimated 87% of dog guardians live in Boulder County.
- Over half (estimated 56%) of the dog guardians have been visiting OSMP for more than 10 years.
- Dog guardians are regular visitors with over half (estimated 54%) visiting OSMP more than three times a week; an estimated one third of dog guardians visit more than five times per week.
- Over half of the dog guardians surveyed reported getting to the trailhead by car, but an estimated 42% walked or ran to the trailhead.
- Dog guardians are nearly evenly divided on their reason for visiting OSMP with an estimated 48% visiting to enjoy the activities they came to do and an estimated 45% visiting to enjoy the place itself.
- Sixty percent of dog guardians surveyed reported visits of less than 60 minutes.

Boulder residents

- Adult visitors from Boulder are of all ages although an estimated 64% are between the ages of 30 and 60.
- One third of visitors from Boulder have a dog with them on their visit.
- Over half (estimated 56%) of visitors from Boulder have been visiting OSMP for more than 10 years.
- Visitors from Boulder are regular visitors with over half (estimated 53%) visiting OSMP more than three times a week. Over three quarters (estimated 83%) of visitors from Boulder visit OSMP more than once a week.
- Visitors from Boulder are almost equally likely to walk or run to the trailhead as they are to drive a car.
- Over half (estimated 54%) of visitors from Boulder visit OSMP to enjoy the activities they came to do.
- Most visitors from Boulder (estimated 80%) report trip durations of less than 90 minutes.

Boulder County (outside Boulder city limits) residents

- Most adult visitors (estimated 73%) from Boulder County are between the ages of 30 and 60.
- One third of visitors from Boulder County have a dog with them on their visit.
- Over half (estimated 60%) of visitors from Boulder County have been visiting OSMP for more than 10 years.
- Visitors from Boulder County are regular visitors with over half (estimated 63%) visiting OSMP more than once a week.
- Most visitors (estimated 73%) from Boulder County drive a car to the trailhead.
- Over half (estimated 51%) of visitors from Boulder County visit OSMP to enjoy the activities they came to do.
- Most visitors (estimated 70%) from Boulder County report trip durations of less than 90 minutes.

Denver Metro residents

- Most adult visitors (estimated 57%) from Denver Metro are younger than 40; an estimated 86% of visitors from Denver Metro are younger than 50.

- Over half (estimated 52%) of visitors from Denver Metro have been visiting OSMP for more than 5 years.
- Most visitors (estimated 73%) from Denver Metro visit OSMP once a week or less; an estimated 43% of visitors from Denver Metro visit once a month or less.
- Most visitors (estimated 88%) from Denver Metro drive a car to the trailhead.
- Visitors from Denver Metro are nearly as likely to visit OSMP to enjoy the activities they came to do as they are to visit OSMP to enjoy the place itself.
- Nearly half (estimated 49%) of visitors from Denver Metro report hiking without a dog as their primary activity on OSMP.
- Three quarters of visitors from Denver Metro report trip durations of an hour or longer; an estimated 35% of visitors from Denver Metro report trip durations of two hours or longer.

Residents from other Areas in Colorado

- Most adult visitors (estimated 53%) from other areas in Colorado are younger than 40; very few (estimated 0%) of visitors from other areas in Colorado are older than 70.
- Nearly half (estimated 49%) of visitors from other areas in Colorado have been visiting OSMP for more than 5 years.
- Most visitors (estimated 70%) from other areas in Colorado visit OSMP once a week or less; an estimated 40% of visitors from other areas in Colorado visit once a month or less.
- Most visitors (estimated 94%) from other areas in Colorado drive a car to the trailhead.
- Nearly half (estimated 46%) of visitors from other areas in Colorado visit OSMP to enjoy the place itself.
- Nearly half (estimated 42%) of visitors from other areas in Colorado report hiking without a dog as their primary activity on OSMP.
- An estimated 46% of visitors from other areas in Colorado report trip durations of 30-90 minutes in length, while an estimated 36% of visitors from other areas in Colorado report trip durations of two hours or longer.

Out of State residents

- Adult visitors from out of state are of all ages.
- Most visitors (estimated 68%) of visitors from out of state have been visiting OSMP for one year or less.
- Most visitors (estimated 80%) from out of state visit OSMP once a month or less.
- Most visitors (estimated 70%) from out of state drive a car to the trailhead.
- Nearly half (estimated 49%) of visitors from out of state visit OSMP to enjoy the place itself; the remainder of visitors from out of state are nearly evenly split on their reason for visiting between enjoying the activities they came to do and spending time with family or friends.
- Over three quarters (estimated 79%) of visitors from out of state report hiking without a dog or “other” activities (e.g. viewing scenery or wildlife) without a dog as their primary activity on OSMP.
- Nearly half (estimated 49%) of visitors from out of state report trip durations of 90 minutes or longer.

Out of country resident

- Adult visitors from out of the country tend to belong to two age groups; an estimated 57% of adult visitors from out of the country are 20-39 years old, while an estimated 25% are 60-69 years old.
- Most visitors (estimated 58%) of visitors from out of the country have been visiting OSMP for one year or less.
- Most visitors (estimated 66%) from out of the country visit OSMP once a month or less.
- Most visitors (estimated 74%) from out of the country drive a car to the trailhead.
- Approximately two thirds (estimated 67%) of visitors from out of the country visit OSMP to enjoy the place itself.
- Over three quarters (estimated 81%) of visitors from out of the country report hiking without a dog or “other” activities (e.g. viewing scenery or wildlife) without a dog as their primary activity on OSMP.
- Over half (estimated 64%) of visitors from out of the country report trip durations of 90 minutes or longer.

Long-time visitors (i.e. visitors who have been visiting OSMP for more than 20 years)

- Long-time adult visitors tend to be older than visitors with a shorter history of visiting OSMP; an estimated three quarters are 50 years old or older.
- Long-time visitors live within the Boulder city limits; an estimated 69% live within Boulder city limits while an estimated 22% live within Boulder County but outside the Boulder city limits.
- Long-time visitors are frequent visitors; an estimated 71% visit more than once a week. Over one quarter (an estimated 28%) visit OSMP more than five times per week.
- Long-time visitors are more likely than visitors with shorter histories of visitation to OSMP to have a dog with them on their visit.
- Long-time visitors are more likely than visitors with shorter histories of visitation to walk or run to the trailhead.
- Long-time visitors are divided on their reason for visiting OSMP; an estimated 49% visit OSMP to enjoy the activities they came to do, while an estimated 36% visit OSMP to enjoy the place itself.
- Two in five long-time visitors spend 30-59 minutes visiting OSMP; over half (estimated 57%) visit for less than one hour.

New visitors (i.e. visitors who have been visiting OSMP for one or fewer years; it may be their first visit)

- New adult visitors tend to be younger than visitors with a longer history of visiting OSMP; more than two in five new adult visitors are less than 30 years old.
- Nearly one half of new visitors (estimated 48%) live outside of the Denver Metro area, while just over one third (estimated 36%) live within the Boulder city limits.
- New visitors are infrequent visitors; over one half of new visitors (estimated 55%) visit OSMP once a month or less.
- Nearly one half of new visitors (estimated 49%) are hikers without dogs and as a group they are least likely to have a dog with them on their visit compared to visitors with longer histories of visitation.

- New visitors are more likely than visitors with longer histories of visitation to drive to the trailhead.
- New visitors are evenly divided on their reason for visiting OSMP; an estimated 49% visit OSMP to enjoy the place itself, 33% to enjoy the activities they came to do, and 20% to spend time with family or friends.
- Visit duration for new visitors varies. Just over one quarter of new visitors spend 30-59 minutes visiting OSMP, while another quarter spend more than two hours visiting OSMP.

Frequent visitors (i.e. visitors who visit more regularly than three times a week)

- Roughly one half (estimated 51%) of frequent adult visitors are between the ages of 40 and 59.
- Over four out of every five frequent visitors (estimated 81%) live within the Boulder city limits; an estimated 16% of frequent visitors live in Boulder County outside Boulder city limits.
- Frequent visitors have a long history of visitation; approximately one third (estimated 33%) have been visiting OSMP for more than 20 years. An estimated 61% have been visiting OSMP for more than ten years.
- Frequent visitors tend to have dogs with them on their visit; an estimated 43% of frequent visitors have a dog with them on their visit, while an estimated 55% of daily or near-daily visitors have a dog with them on their visit.
- Frequent visitors are more likely to walk or run to the trailhead than drive.
- Over half of the frequent visitors (estimated 57%) visit OSMP to enjoy the activities they came to do.
- Frequent visitors tend to have shorter visits compared to infrequent visitors. Nearly two thirds of frequent visitors (estimated 66%) spend less than an hour visiting OSMP.

Infrequent but regular visitors (i.e. visitors who visit OSMP more than once a month but not more than once a week)

- Over half (estimated 54%) of the “infrequent but regular” adult visitors are less than 40 years old.
- Most (estimated 71%) of infrequent but regular visitors live in Boulder County either within (estimated 43%) or outside (estimated 28%) the Boulder city limits; an estimated 15% of infrequent but regular visitors live in the Denver Metro area.
- The history of visitation for infrequent but regular visitors varies; nearly one quarter (estimated 23%) have been visiting OSMP for at least ten years, while nearly one fifth (estimated 19%) have been have been visiting OSMP for more than 20 years.
- Infrequent but regular visitors tend to be hikers without dogs. An estimated 23% of infrequent but regular visitors have a dog with them on their visit.
- Infrequent but regular visitors drive to the trailhead.
- Infrequent but regular visitors are divided between “activities” and “place” on their reason for visiting OSMP; an estimated 48% visit OSMP to the activities they came to do and an estimated 45% to enjoy the place itself.
- Visit duration for infrequent but regular visitors varies. An estimated 39% of infrequent but regular visitors spend less than an hour visiting OSMP, while an estimated 40% spend more than an hour and a half visiting OSMP.

Very infrequent visitors (i.e. visitors who visit OSMP more than once a month or less)

- Over half (estimated 55%) of the “very infrequent” adult visitors are less than 40 years old.
- Very infrequent visitors do not live in within Boulder city limits or in Boulder County but outside the city limits. An estimated 22% live in the Denver Metro area, while an estimated 37% live out of state.
- Approximately half of infrequent visitors have been visiting OSMP for one year or less.
- Infrequent visitors tend to be hikers without dogs. An estimated 14% of infrequent visitors have a dog with them on their visit.
- Infrequent visitors drive to the trailhead.
- Infrequent visitors are the most evenly divided on their reason for visiting OSMP; an estimated 43% visit OSMP to enjoy the place itself, 29% to enjoy the activities they came to do, and 28% to spend time with family or friends.
- Infrequent visitors tend to have longer visits compared to frequent visitors. Half of the infrequent visitors (estimated 50%) spend more than an hour and a half visiting OSMP.

Appendix M. Location avoided or visited less often along with the reason for avoidance or reduction in visitation. (Reasons are verbatim responses from survey respondents.)

Location	Reason
3rd Flatiron	I find the climbing closure too severe!
Bear Canyon	Dogs must be leashed
Bear Canyon	bikers
Bear Canyon	no voice & sight dogs
Bear Canyon	I live 1 minute walking from this trail entry but dogs need to be leashed so I drive to Shanahan
Bear Canyon	No dogs off leash
Bear Canyon	dogs must be leashed
Bear Mountain	dog restrictions
Bear Mountain	no dogs allowed
Big Bluestem Trail	leash laws
Bluebell Road	beautiful
Bobolink	Recently closed due to flooding
Bobolink	because my dog can't go on the S. Boulder trail Why?
Bobolink	dogs can't go south of south Boulder road now
Boulder Creek Trail	Too crowded
Boulder Creek Trail	moved to Denver
Boulder Creek Trail	biker danger
Boulder Valley Ranch	stray bullet sign a deterrent
Boulder Valley Ranch	rattlers, plus we have to drive
Boulder Valley Ranch	too many rattlesnakes
Boulder Valley Ranch	temp move to right by Wonderland / Lee Hill trails. no need to drive
Boulder Valley Ranch	too many cattle and gates!
Boulder Valley Ranch	cattle grazing
Boulder Valley Ranch	gunshots
Chautauqua	too busy
Chautauqua	too crowded all the time
Chautauqua	I'm too busy
Chautauqua	Too much use and conflict and dogs.
Chautauqua	crowds
Chautauqua	unavailable parking!/parking prohibited. Too far for me to walk from parking to get to hiking at Chautauqua
Chautauqua	gets so crowded! I usually go elsewhere
Chautauqua	too crowded
Chautauqua	icy conditions
Chautauqua	overrun! Too many 'scared' dog owners when crowded. Crowding = conflict
Chautauqua	dogs allowed

Location	Reason
Centennial Trail	not really a reason
Cottonwood	too many dogs
Doudy Draw	due to mtn bikes not being courteous to walkers
Doudy Draw	Trail changes so cannot get to birding areas
Doudy Draw	Bikes make it unsettling
Doudy Draw	too open (sunny) and lots of bike traffic. Not as natural as other trailheads.
Doudy Draw	intense competition for parking on weekend
Doudy Draw	because of mtn bikes
Doudy Draw	bikes
Doudy Draw	Bikes make it very difficult to enjoy calm, reflective walks - would not take my young children to trails with bikes.
Doudy Draw	too many bikes make it unpleasant to walk dogs
Doudy Draw	because of rude and reckless bikers
Doudy Draw	mountain bikes
Doudy Draw	the bikes
Doudy Draw	bikes
Doudy Draw	stopped because of bikers, same with Spring Brook Loop and Marshall Mesa
Doudy Draw	bike conflicts
Doudy Draw	bikes. I would like to not see bikes on those trails.
Doudy Draw	bikers - high speed, but respectful
Doudy Draw	bikers
Doudy Draw	bikes
Doudy Draw	bikers going too fast & recklessly
Dry Creek	usually too many people
Dry Creek	very busy
Dry Creek	closed to dog walkers
Dry Creek	fence!!!
Dry Creek	less access to water
Dry Creek	treacherous ice and mud. Portapottie would be very welcome
Dry Creek	overrun by prairie dogs
Dry Creek	limited stream access
Dry Creek	closed water access
Dry Creek	too many CRAZY dogs
Eagle Trail	Avoid negative environmental impact of driving
EM Greenman	closed to dogs
EM Greenman	dog restrictions
EM Greenman	no voice & sight dogs
Everywhere/all	not getting out as much
Everywhere/all	dog died

Location	Reason
Flagstaff/Viewpoint Trail	ice and mud
Foothills Trail	too many people
Foothills Trail	because it is on leash
Foothills Trail	biker danger
General/misc.	Too crowded
General/misc.	my wife has bad knee problems
Green Bear	dog restrictions
Green Mountain	Insane leash laws prevent getting to the top
Green Mountain	no dogs up Saddle Rock Trail
Green Mountain	dog rules
Green Mountain	no dogs allowed
Gregory Canyon	dogs not permitted on top of trail
Gregory Canyon	no dogs
Hogback Ridge	no dogs allowed. I'm scared to hike there without my dog
Hogback Ridge	OSMP closed to dogs
Hogback Ridge	too many people
Homestead Trail	try to enforce the multitudes f/ leaving trail when muddy! A few years ago Homestead and Towhee were single-track trails. Too many flat-landers not following trail etiquette.
Kohler Mesa	ticketing dog walkers
Kohler Mesa	no longer dog friendly
Leash-only and/or no dogs allowed trails	respondent wants to walk dog without leash
Leash-only and/or no dogs allowed trails	no dog and leash trails
Leash-only and/or no dogs allowed trails	they have banned dogs
Marshall Mesa	bikes are too dangerous
Marshall Mesa	Access is long, noisy and stupid from Hwy 93 side
Marshall Mesa	running is difficult with so many bikes - no conflict, just volume
Marshall Mesa	bikers are rude, unsafe with young kids - one was so verbally rude to my 3 year old that he got so scared he peed his pants and was shaking for 20 minutes.
Marshall Mesa	mtn bikes
Marshall Mesa	unpleasant encounters with bicyclists
Marshall Mesa	bikers going too fast & recklessly
Marshall Mesa	the prairie dogs are a distraction for the dogs and I don't want a ticket if she relapses.
Marshall Mesa	trails too crowded and narrow with bikers. Stressful to watch dog and get them as bikers are faster and often no warning
Marshall Mesa	too many bikes to walk without "on your left"

Location	Reason
Marshall Mesa	way too many dogs - injured because of a dog
Marshall Mesa	bikes mow dogs & hikers down
Marshall Mesa	Bikers scare me when I'm hiking, though I'm a biker & love to bike that trail (the 2 don't mix for me)
Marshall Mesa	conflict w/ mountain bikes
Marshall Mesa	Marshall Trail - due to dog leash requirements.
Long Canyon	dogs not permitted on top of trail
Long Canyon	no dogs allowed
Mesa Trail	dogs; trail conditions
Mesa Trail	too difficult
Mesa Trail	I moved further away
Mesa Trail	weekends no available parking
Mesa Trail	lack of parking on weekends
Mesa Trail	General mt bike ban
Mesa Trail	raptor location
Mesa Trail	Too many dogs
Unknown	moved
Unknown	too many rules, dog restrictions
NCAR	because I do trail work in summer in other areas
NCAR	dog restrictions
NCAR	no dogs allowed
NIST	no longer dog friendly
Places with lots/too many dogs	self explanatory
Red Rocks	not really a reason
Red Rocks	people are pooping and not cleaning it up and our dog eats it!
Red Rocks	excessive times of use, seasons
Sanitas	cleanliness - & bad dog behavior
Sanitas	Poor Parking Access
Sanitas	crowded, trail trashed
Sanitas	Too many dogs
Sanitas	too crowded; dogs
Sanitas	Dogs!
Sanitas	too crowded. 100% of my visits are for running and exercising dogs. I have my dogs on voice and sight and on e-collars. I have complete control and always pick up.
Sanitas	dogs and trail destruction due to dogs
Sanitas	too many people and bad attitudes
Sanitas	dog poop/smell
Sanitas	too many people and dogs
Sanitas	too many people/dogs

Location	Reason
Sanitas	close to home
Sanitas	climbing
Sanitas	all the dog poop and unleashed dogs
Sanitas	too many poorly controlled dogs
Sanitas	too many users, with dogs
Sanitas	dogs
Sanitas	farther from home now (we moved 3 yrs ago)
Sanitas	dog behavior
Sanitas	too eroded and trail poorly marked
Sanitas	too may people
Sanitas	dogs & poop
Sanitas	Sanitas - poor trail condition, too many people and dogs
Sanitas	too many dogs and dog poop
Sanitas	it's a kennel
Sanitas	dogs
Sanitas	dogs
Sanitas	dog poop & social trails / erosion are very common
Sanitas	ruined by dogs
Sanitas	DOGS out of control - owners not picking up. Dogs chasing wildlife is a real problem (and jumping on people) and I'm out here a lot!
Sanitas	dogs scared my lads - bit my child
Sanitas	too many people
Sanitas	overrun! Too many 'scared' dog owners when crowded. Crowding = conflict
Sanitas	Exercise
Sanitas	dogs allowed
Sanitas	dogs out of control
Sanitas	crowded, too sunny
Sanitas	too many restrictions
Sanitas	dog problems
Sanitas	wild dogs
Sanitas	too crowded - especially too may dogs/poop always off trail
Sanitas	excessive times of use, seasons
Sanitas	Too much use and conflict and dogs.
Sanitas	my dog fearful and # of other dogs there
Shadow Canyon	Dogs must be on leash. Ridiculous dangerous
Shanahan Ridge	off leash dogs
Skunk Canyon	No dogs off leash
Skunk Canyon	Leash only restriction
Skunk Canyon	Leash laws
Skunk Canyon	leash law added for gov't property

Location	Reason
South Boulder Creek	no live in Lafayette
South Boulder Creek	aggressive Black Angus - could not get past on several occasions. Runners/bikers carry bear spray. Has bad/reputation as result
South Boulder Creek	horse - dump in middle of path, danger to dog and kids
South Boulder Creek	frequent conflict w/ other users walking multiple dogs off leash
South Boulder Creek	no dogs allowed
South Boulder Creek	Recently closed due to flooding
Spring Brook Loop	more people, less designed hiker and more biker trails
Spring Brook Loop	mountain bikes
Spring Brook Loop	mountain bikes
Spring Brook Loop	rude bikers. Bikes need to be allowed only some days like on Betasso.
Spring Brook Loop	can't have dogs off leash anymore
Spring Brook Loop	due to dog restrictions & aggressive runners.
Spring Brook Loop	mountain bikes
Spring Brook Loop	bike conflicts
Teller Farm	Dry Creek best for my dog, mostly just dog people so it is easiest for us and won't bother other people
Teller Farm	my dog fearful and # of other dogs there
Non-dog-friendly	Dry Creek best for my dog, mostly just dog people so it is easiest for us and won't bother other people
Towhee Trail	try to enforce the multitudes f/ leaving trail when muddy! A few years ago Homestead and Towhee were single-track trails. Too many flat- landers not following trail etiquette [sic].
Trails not open to bikes	self explanatory
Trails open to bikes	have to get off trails, too-quiet approach (need bells)
Unknown	mud
Unknown	No road base too muddy
Unknown	too many off leash dogs
Unknown	too many dogs, (can't take my kid)
Voice and sight trails	I hate having to tell them to put dogs on leash & I worry about wildlife & habitat
Voice and sight trails	dogs - bark, off trail, attack coyotes, jump or lick me and mostly attitude of the dog owners
Voice and sight trails	bags of dog poop all along trail, dogs off leash violating rules
Wonderland	close to home
Wonderland	dogs have to be on leash
Wonderland	because dog must be on leash