

Appendix 6a – Frequencies: western Trails

Appendix 6a – Descriptive statistics for western Sites

1 Visitors to SMMNRA

<i>Visitor type</i> (<i>N=318</i>)	<i>%</i>
First time visitors	11.9
Return visitors	88.1
Total	100.0

2a Activities engaged in during visit*

<i>Activity (N=320)</i>	<i>%</i>	<i>Activity</i>	<i>%</i>
Sightseeing	50.0	Horseback riding	7.5
Hiking	59.4	Rock climbing	7.5
Picnicking	13.4	Painting / crafts	1.6
Mountain biking	42.8	Photographing	12.2
Bird watching	16.9	Sunbathing	2.5
Walking dog(s)	10.3	Wading / swimming	5.0
Jogging	21.9	Other	6.9
Camping	10.3		

2b Primary activity during visit

<i>Activity (N=309)</i>	<i>%</i>
Hiking	29.8
Mountain biking	34.6
Jogging	11.7
Sightseeing	6.8
Dog walking	1.9
Horseback riding	5.2
Picnicking	2.6
Other	7.4
Total	100.0

3 Reason for visiting the SMMNRA*

<i>Reason (N=320)</i>	<i>%</i>
To exercise	84.4
To be outdoors	85.9
To enjoy the quiet	62.8
To breathe fresh air	68.8
To see wildflowers	38.1
To see / hear wildlife	50.0
To enjoy scenic beauty	73.4
To escape the city / suburbs	47.5
To commune with nature	43.1
To experience fewer people	34.4
To attend and organized event	8.1

To undertake school research	0.6
To engage in adventure sports	25.6
To be with companion animals	13.1
To socialize with family / friends	36.6
To educate children about nature	9.7
Other	3.4

4a Time spent on trail today

<i>Median Hours on trail</i> N=285	2.0
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4b Is this the trail you normally visit

<i>Normal trail</i> (N=289)	%
Yes	73.7
No	26.3
Total	100.0

4c Visit other trails

<i>Other trails</i> (N=291)	%
Yes	73.5
No	26.5
Total	100.0

5a Frequency of SMMNRA visits

<i>Median visits per month</i> N=275	4.0
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5b Time of year SMMNRA visited most often*

<i>Category</i> (N=320)	%
Summer	70.6
Fall	54.7
Winter	50.6
Spring	60.6
All seasons	45.6

5c Day of week most often visiting SMMNRA*

<i>Category</i> (N=320)	%
Weekends	66.9
Weekdays	28.8

5d Time of day most often visiting SMMNRA*

<i>Category</i> (N=320)	%
Morning	66.3

Afternoon	30.6
Evening	28.4

6a Reason for visiting local or neighborhood park*

<i>Reason (N=320)</i>	<i>%</i>
Limited time	46.6
Easier access	33.8
Different recreation opportunities	31.3
Community gardening	0.9
Group recreation opportunities	9.4
See neighborhood friends	9.4
Easier to take children	18.3
Other	5.0
Not applicable/ Don't visit	10.9

6b Frequency of visits to the local park

<i>Median visits per month</i> <i>N=243</i>	2.0
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6c Time of year most often visiting local park*

<i>Category (N=320)</i>	<i>%</i>
Summer	58.8
Fall	39.4
Winter	37.8
Spring	44.4
All seasons	34.7

6d Day of week most often visiting local park*

<i>Category (N=320)</i>	<i>%</i>
Weekends	50.6
Weekdays	23.1

6e Time of day most often visiting local park*

<i>Category (N=320)</i>	<i>%</i>
Morning	34.7
Afternoon	35.6
Evening	25.9

7 Source of knowledge of SMM fauna and flora*

<i>Reason (N=320)</i>	<i>%</i>	<i>Reason</i>	<i>%</i>
Ranger-led nature walks	13.4	Television	23.1
School	24.1	Previous visits	36.9
Park brochures	38.8	Family / friends	32.2
Park signs	35.9	Live in the area	35.9
Nature observation	45.3	Organized groups	6.9
Books	43.1	Internet	1.9
Magazines	30.0	Other	3.1

8 Most important reason to protect SMM*

<i>Reason (N=320)</i>	<i>%</i>
To provide recreational opportunities	24.7
To provide habitat for plants and animals	49.4
Both	24.4
No opinion	1.3
Other	0.6

9 a Impact of other users on trail experience

<i>Impact (N=319)</i>	<i>%</i>
Yes	78.1
No	21.9
Total	100.0

9 b Strength of impact of other users on trail experience

<i>Category</i>	<i>N =</i>	<i>Mean</i>	<i>Exclusive mean</i>	<i>Key</i>
Mountain biking	233	3.52	3.05	5 = Strongly positive 4 = Somewhat positive 3 = Neither 2 = Somewhat negative 1 = strongly negative
Horseback riding	222	3.52	3.44	
Hiking	236	4.28	4.22	
Running / jogging	228	4.19	4.08	
Picnicking	227	3.82	3.81	
Dog walking	228	3.39	3.39	
Other	18	2.22	***	

9 c Why do other trail user activities present a problem*

<i>Reason (N=320)</i>	<i>%</i>
Damage plants	13.8
Uncooperative behavior	27.5
Frighten wildlife	13.8
Startle people	18.4

Make too much noise	12.8
Litter	16.9
Scare horses	5.9
Leave animal wastes	17.8
Potential collisions / injury	19.4
Dogs off leash	0.9
Other	4.4

10a Travel time to trail

<i>Median Minutes</i>	
<i>N=300</i>	20.0

Mode of travel to trail

<i>Travel Mode (N=320)</i>	<i>%</i>
Car / truck / SUV / van	89.1
Public transportation	0.0
Group transportation (club or organization)	0.0
Motorcycle / scooter	0.3
Bicycle	5.3
Walk / jog	4.1
Horseback	0.9
Other	0.3
Total	100.0

13 Participants in group

<i>Group Type</i>	<i>N =</i>	<i>Median</i>
People	319	2.0
Animals	166	0.0

Type of group

<i>Group type (N=318)</i>	<i>%</i>
Alone	25.2
Family	26.7
Friends	35.2
Family and Friends	6.9
Religious Organization / Church	0.0
Youth club	0.3
Educational	0.3
Other organization or club	4.7
Other	0.6
Total	100.0

Age

<i>Median Age</i> <i>N=320</i>	41.0
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16 Sex

<i>Sex</i> <i>(N=320)</i>	<i>%</i>
M	65.0
F	35.0
Total	100.0

17a Children under 18

<i>Children (N=320)</i>	<i>%</i>
Yes	36.9
No	63.1
Total	100.0

17b Number of children under 18

<i>Median Number of Children</i> <i>N=114</i>	2.0
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18 Type of household

<i>Household Type (N=308)</i>	<i>%</i>
Single	25.6
Unrelated adults	5.5
Couple without children under 18	27.9
Single parent with children under 18	6.5
Two parents with children under 18	25.6
Multigenerational household	8.8
Total	100.0

19 Housing tenure

<i>Tenure (N = 311)</i>	<i>%</i>
Owned	72.3
Rented	27.7
Total	100.0

20 Education

<i>Educational Attainment</i> (<i>N=315</i>)	%
High school student	6.7
No high school diploma or GED	0.6
High school graduate or GED	8.9
College	83.8
Total	100.0

21 Hispanic/Latino

<i>Hispanic/Latino</i> (<i>N=307</i>)	%
Yes	10.7
No	89.3
Total	100.0

22 Race

<i>Race</i> (<i>N=320</i>)	%
American Indian or Alaska native	1.6
Asian	5.6
Black or African-American	0.9
Native Hawaiian or Pacific Islander	0.0
White	75.0
Do not wish to answer	15.3
Other	1.6
Total	100.0

23a Country of origin

<i>Country</i> (<i>N=310</i>)	%
USA	83.9
United Kingdom	2.3
Canada	1.6
Mexico	1.3
Italy	1.3
Philippines	1.3
Other	8.3
Total	100.0

23b Years in USA

<i>Median Years in USA</i> <i>N=49</i>	20.0
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Language(s) spoken at home*

<i>Language (N=300)</i>	<i>%</i>
English	93.7
Spanish	6.0
German	1.0

(a bunch of other ones tied with a third of a percent)

5 Household income

<i>Household Income (N=312)</i>	<i>%</i>
>\$25k	3.8
\$25k-50k	11.2
\$50k-75k	20.5
\$75k-100k	18.9
\$100k-125k	9.9
\$125k-150k	6.7
\$150k-175k	5.1
\$175k-200k	4.8
<\$200k	9.9
Do not wish to answer	9.0
Total	100.0

26 Physical disability

<i>Disability (N=317)</i>	<i>%</i>
Yes	1.6
No	98.4
Total	100.0

27 Barriers at this location

<i>Barriers – this site (N=316)</i>	<i>%</i>
Yes	6.3
No	93.7
Total	100.0

28a Barriers at other SMMNRA sites

<i>Barriers – other sites (N=314)</i>	<i>%</i>
Yes	8.0
No	92.0
Total	100.0

*Percentages will not add up to 100%, since respondents checked all categories that applied.

Appendix 6b – Cross Tabulations: eastern Trails

Appendix 6b – Cross tabs for western Sites

4b Is this the trail you normally visit

User Group	Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
Yes***	63.5	81.6	94.1	62.5	100.0	93.8	0	75.5

[1] Chi-Square test was used to examine the difference across user groups.

* p<.05, ** p<.01, *** p<.001

5a Frequency of SMMNRA visits

User Group	Hikers	Mountain bikers	Jogger	Sightseers	Dog walkers	Horseback riders	Picnickers	Total
Mean Hours on trail ***	5.58	8.01	11.29	4.29	10.67	11.13	0.80	7.56

[1] One-way ANOVA was used to examine the mean difference across user groups.

* p<.05, ** p<.01, *** p<.001

5b Time of year SMMNRA visited most often

User Group	Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
Summer**	67.4	77.6	91.7	47.6	83.3	87.5	75.0	74.5
Fall***	51.1	55.1	77.8	38.1	83.3	87.5	12.5	56.6
Winter***	50.0	53.3	72.2	28.6	83.3	75.0	0	53.1
Spring***	60.9	61.7	83.3	47.6	66.7	87.5	0	62.9

[1] Chi-Square test was used to examine the difference across user groups.

* p<.05, ** p<.01, *** p<.001

6a Reason for visiting local or neighborhood park

User Group	Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
Limited time	53.3	39.3	52.8	47.6	50.0	31.3	50.0	46.2
Easier access	39.1	29.9	25.0	47.6	33.3	6.3	50.0	32.9
Different recreation opportunities	30.4	33.6	25.0	33.3	16.7	25.0	37.5	30.8
Community gardening	1.1	0	0	4.8	0	0	0	0.7
Group recreation opportunities	10.9	7.5	11.1	4.8	0	6.3	37.5	9.4
See neighborhood friends*	3.3	10.3	16.7	14.3	33.3	6.3	25.0	9.8
Easier to take children	20.7	16.8	8.3	14.3	0	12.5	25.0	16.4
Other	4.3	3.7	11.1	4.8	16.7	0	0	4.9
Not applicable/ Don't visit	13.0	9.3	13.9	9.5	16.7	31.3	0	12.2

[1] Chi-Square test was used to examine the difference across user groups.

* p<.05, ** p<.01, *** p<.001

6c Time of year most often visiting local park

User Group	Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
Summer	58.7	57.9	58.3	47.6	66.7	50.0	87.5	58.0
Fall	45.7	30.8	41.7	33.3	50.0	56.3	25.0	38.8
Winter	42.4	32.7	44.4	23.8	66.7	43.8	12.5	37.4
Spring	48.9	36.4	50.0	38.1	50.0	56.3	50.0	44.1

[1] Chi-Square test was used to examine the difference across user groups.

* p<.05, ** p<.01, *** p<.001

Source of knowledge of SMM fauna and flora

User Group	Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
Ranger-led nature walks***	25.0	8.4	2.8	0	33.3	12.5	12.5	13.3
School*	15.2	31.8	22.2	38.1	0	18.8	50.0	24.8
Park brochures	48.9	38.3	33.3	28.6	33.3	43.8	50.0	40.9
Park signs	40.2	38.3	38.9	23.8	33.3	25.0	50.0	37.4
Nature observation	53.3	35.5	41.7	33.3	100.0	56.3	25.0	44.1
Books	44.6	43.0	36.1	52.4	16.7	50.0	50.0	43.4
Magazines	25.0	37.4	27.8	33.3	16.7	25.0	37.5	30.8

[1] Chi-Square test was used to examine the difference across user groups.

* p<.05, ** p<.01, *** p<.001

8 Most important reason to protect SMM

User Group	Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
To provide recreational opportunities**	14.1	37.4	19.4	14.3	33.3	37.5	12.5	25.2
To provide habitat for plants and animals**	63.0	35.5	52.8	52.4	66.7	43.8	62.5	49.7
Both	21.7	26.2	27.8	28.6	0	18.8	25.0	24.1
No opinion	0	0	2.8	4.8	0	0	0	0.7
Other	1.1	0.9	0	0	0	0	0	0.7

[1] Chi-Square test was used to examine the difference across user groups.

* p<.05, ** p<.01, *** p<.001

14 Type of group

Type of Group***	Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
Alone	29.7	26.4	36.1	9.5	33.3	31.3	0	27.1
Family	31.9	14.2	22.2	61.9	33.3	25.0	12.5	25.4
Friends	30.8	50.0	36.1	14.3	16.7	31.3	0	36.3
Family and friends	5.5	3.8	5.6	9.5	16.7	12.5	0	5.6
Religious Organization / Church	0	0	0	0	0	0	0	0
Youth club	1.1	0	0	0	0	0	0	0.4
Educational	0	0.9	0	0	0	0	0	0.4
Other organization or club	1.1	3.8	0	4.8	0	0	87.5	4.6

[1] Chi-Square test was used to examine the difference across user groups.

* $p < .05$, ** $p < .01$, *** $p < .001$

18 Type of household

Type of Household	Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
Single	34.5	27.4	19.4	21.1	0	20.0	0	26.4
Unrelated adults	6.9	3.8	11.1	0	0	6.7	0	5.4
Couple without children under 18	19.5	27.4	30.6	47.4	60.0	13.3	50.0	27.2
Single parent with children under 18	8.0	4.7	11.1	5.3	0	13.3	0	6.9
Two parents with children under 18	24.1	27.4	25.0	15.8	40.0	40.0	12.5	25.7
Multigenerational household	6.9	9.4	2.8	10.5	0	6.7	37.5	8.3

[1] Chi-Square test was used to examine the difference across user groups.

* $p < .05$, ** $p < .01$, *** $p < .001$

19 Housing tenure

Housing Tenure	Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
Owned	62.2	80.8	63.9	80.0	83.3	86.7	71.4	72.7
Rented	37.8	19.2	36.1	20.0	16.7	13.3	28.6	27.3

[1] Chi-Square test was used to examine the difference across user groups.

* p<.05, ** p<.01, *** p<.001

Demographics

User group	Mean Age*[1]	Sex (%) ***[2]		Education completed (%)				Race/Ethnicity (%)*							Median Income Range
		M	F	HS Student	No HS	HS/GED	College	Nat	Asian	Hisp	Afr/Am	PacIsl	White	Other	
Hikers	43.47	53.3	46.7	2.2	0	6.7	91.1	1.1	6.5	8.0	0	0	75.0	2.2	\$50,001-\$75,000
Mt. bikers	38.38	83.2	16.8	9.4	0.9	7.5	82.1	0.9	7.5	11.4	0	0	74.8	1.8	\$75,001-\$100,000
Joggers	40.00	61.1	38.9	5.6	0	16.7	77.8	2.8	0	8.3	0	0	83.3	0	\$75,001-\$100,000
Sightseers	43.48	71.4	28.6	15.0	0	5.0	80.0	4.8	0	11.1	4.8	0	81.0	0	\$50,001-\$75,000
Dog walkers	45.00	50.0	50.0	0	0	16.7	83.3	0	0	0	0	0	83.3	0	\$75,001-\$100,000
Horseback riders	44.81	18.8	81.3	0	0	0	100.0	0	0	0	0	0	93.8	0	\$50,001-\$75,000
Picnickers	41.88	25.0	75.0	0	0	25.0	75.0	0	0	37.5	0	0	62.5	0	\$50,001-\$100,000
Total	41.19	64.0	36.0	6.0	0.4	8.5	85.1	1.4	4.9	9.8	0.3	0	77.3	1.7	\$50,001-

