

**Appendix 2 – Descriptive statistics**

## Descriptive statistics for Total Sample Data (N=912)

### Qu. 1 Visitors to SMMNRA

<i>Visitor type (N=906)</i>	<i>%</i>
First time visitors	13.0
Return visitors	87.0

### Qu. 2a Activities engaged in during visit

<i>Activity (N=912)</i>	<i>%</i>	<i>Activity</i>	<i>%</i>
Sightseeing	55.0	Horseback riding	5.0
Hiking	77.3	Rock climbing	8.1
Picnicking	16.1	Painting / crafts	1.6
Mountain biking	26.3	Photographing	13.2
Bird watching	16.0	Sunbathing	5.5
Walking dog(s)	14.9	Wading swimming	4.7
Jogging	21.9	Other	7.8
Camping	8.6		

### Qu. 2b Primary activity engaged in during visit

<i>Activity (N=888)</i>	<i>%</i>
Hiking	49.5
Mountain biking	18.7
Jogging	8.2
Sightseeing	6.1
Dog walking	4.7
Horseback riding	3.4
Picnicking	2.8

**Qu. 3 Reason for visiting the SMMNRA**

<i>Reason (N=912)</i>	<i>%</i>	<i>Reason</i>	<i>%</i>
To exercise	84.5	To experience fewer people	40.1
To be outdoors	88.3	To attend and organized event	5.5
To enjoy the quiet	66.1	To undertake school research	0.5
To breathe fresh air	73.4	To engage in adventure sports	18.2
To see wildflowers	37.5	To be with companion animals	13.8
To see / hear wildlife	47.1	To socialize with family / friends	36.1
To enjoy scenic beauty	73.8	To educate children about nature	7.8
To escape the city / suburbs	54.1	Other	2.5
To commune with nature	51.0		

**Qu. 4a Time spent on trail today?**

<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>N</i>
2.51	2	2.6	0	24	833

**Qu. 4b Trail normally visited**

<i>Response (N=810)</i>	<i>%</i>
Yes	71.1
No	28.9

**Qu.4c Visit other trails**

<i>Response (N=809)</i>	<i>%</i>
Yes	72.7
No	27.3

**Qu. 5a Frequency of visits to the SMMNRA?**

<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>N</i>
7.0	4	7.2	0	30	780

**Qu. 5b Time of year most often visiting SMMNRA**

<i>Category (N=912)</i>	<i>%</i>
Spring	62.6
Summer	71.8
Fall	55.5
Winter	51.9
All seasons	47.9

**Qu. 5c Day of week most often visiting SMMNRA**

<i>Category (N=912)</i>	<i>%</i>
Weekends	72.5
Weekdays	25.7

**Qu. 5d Time of day most often visiting SMMNRA**

<i>Category (N=912)</i>	<i>%</i>
Morning	63.8
Afternoon	34.8
Evening	21.1

**Qu. 6a Reason for visiting local or neighborhood park**

<i>Reason (N=912)</i>	<i>%</i>
Limited time	48.8
Easier access	33.7
Different recreation opportunities	26.5
Community gardening	1.8
Group recreation opportunities	8.0
See neighborhood friends	7.8
Easier to take children	13.4
Other	3.6
Not applicable/ Don't visit	12.2

**Qu. 6b Frequency of visits to the Local park?**

<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>N</i>
4.4	2	6.2	0	30	691

**Qu. 6c Time of year most often visiting Local park**

<i>Category (N=912)</i>	<i>%</i>
Summer	40.8
Fall	56.5
Winter	36.6
Spring	34.9
All seasons	32.3

**Qu. 6d Day of week most often visiting Local park**

<i>Category (N=912)</i>	<i>%</i>
Weekends	48.7 ???
Weekdays	21.5 ???

**Qu. 6e Time of day most often visiting Local park**

<i>Category (N=912)</i>	<i>%</i>
Morning	33.9
Afternoon	34.0
Evening	22.6

**Qu. 7 Knowledge of Fauna and Flora**

<i>Reason (N=912)</i>	<i>%</i>	<i>Reason</i>	<i>%</i>
Ranger-led nature walks	9.8	Television	21.4
School	19.8	Previous visits	35.7
Park brochures	32.0	Family / friends	33.0
Park signs	33.6	Live in the area	30.6
Nature observation	46.1	Organized groups	6.7
Books	40.4	Internet	1.6
Magazines	28.2	Other	1.9

**Qu. 8 Most important reason to protect SMM**

<i>Reason (N=912)</i>	<i>%</i>
To provide recreational opportunities	22.0
To provide habitat for plants and animals	53.2
Both	21.6
No opinion	2.0
Other	0.5

**Qu. 9 a Do other users impact on trail experience?**

<i>Response (N=907)</i>	<i>%</i>
Yes	77.7
No	22.3

**Qu. 9 b How do other users impact on trail experience?**

<i>Category</i>	<i>N</i>	<i>Mean</i>	<i>Exclusive mean</i>	<i>Key</i>
Mountain biking	677	3.25	2.93	<i>5 = Strongly positive</i> <i>4 = Somewhat positive</i> <i>3 = Neither positive or negative</i> <i>2 = Somewhat negative</i> <i>1 = strongly negative</i>
Horseback riding	660	4.47	3.41	
Hiking	688	4.50	4.41	
Running / jogging	674	4.26	4.21	
Picnicking	671	3.93	3.92	
Dog walking	678	3.42	3.38	
Other	79	2.18	***	

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

<i>Reason (N=912)</i>	<i>%</i>
Damage plants	18.9
Uncooperative behavior	27.1
Frighten wildlife	17.8
Startle people	20.5
Make too much noise	15.4
Litter	21.3
Scare horses	5.9
Leave animal wastes	24.6
Potential collisions / injury	19.4
Dogs off leash	1.6
Other	3.6

**Qu. 10a Travel minutes**

<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>N</i>
27.9	20	24.8	1	180	858

**Qu. 12 Mode of travel to trail**

<i>Travel Mode (N=912)</i>	<i>%</i>
Car / truck / SUV / van	89.8
Public transportation	0
Group transportation (club or organization)	0.1
Motorcycle / scooter	0.4
Bicycle	3.6
Walk / jog	4.8
Horseback	1.0
Other	0.2

**Qu. 13 Participants in group**

<i>Type</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>N</i>
People	3.2	2	10.7	0	300	910
Animals	0.5	0	0.9	0	7	395

**Qu. 14 Type of group**

<i>Group type (N=909)</i>	<i>%</i>
Alone	29.3
Family	25.0
Friends	34.6
Family and Friends	6.8
Religious Organization / Church	0.1
Youth club	0.6
Educational	0.8
Other organization or club	2.8
Other	0.1

**Qu. 15 Age**

<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>N</i>
40.8	40	12.0	18	83	912

**Qu. 16 Sex**

<i>Sex(N=912)</i>	<i>%</i>
<b>M</b>	59.3
<b>F</b>	40.7

**Qu. 17a Children under 18**

<i>Response (N=909)</i>	<i>%</i>
Yes	29.3
No	70.7

**Qu. 17b How many children under 18**

<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>N</i>
1.8	2	0.9	1	6	260

**Qu. 18 Type of household**

<i>Group type (N=891)</i>	<i>%</i>
Single	33.0
Unrelated adults	9.1
Couple without children under 18	26.0
Single parent with children under 18	4.7
Two parents with children under 18	19.2
Multigenerational household	8.0

**Qu. 19 Own/rent house**

<i>Response (N=891)</i>	<i>%</i>
Owned by you or someone in your household	63.1
Rented	36.9

**Qu. 20 Highest Level of Educational Attainment**

<i>Response (N=898)</i>	<i>%</i>
High school student	5.8
No high school diploma or GED	0.9
High school graduate or GED	7.7
College	85.6

**Qu. 21 Hispanic/Latino**

<i>Response (N=871)</i>	<i>%</i>
Yes	11.8
No	88.2



**Qu. 22 Race**

<i>Race (N=912)</i>	<i>%</i>
American Indian or Alaska native	1.3
Asian	5.5
Black or African-American	1.6
Native Hawaiian or Pacific Islander	0.5
White	72.0
Do not wish to answer	17.3

**Qu. 23a Country of origin**

<i>Country (N=912)</i>	<i>% of total</i>
USA	77.3
Mexico	2.2
Iran	1.6
Philippines	1.1
United Kingdom	1

Other	16.8
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**Qu. 23b Years in USA**

<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>N</i>
20.47	20	11.46	0	63	178

**Qu. 24 Language**

<i>Language (N=845)</i>	<i>% of total</i>	<i>Count</i>
English	86.5	789
Spanish	7.8	71
Farsi	1.8	16
French	1.3	12
German	0.8	7
Other	5.9	50

**Qu. 25 Household income**

<i>Response (N=884)</i>	<i>%</i>
>\$25k	5.8
\$25k-50k	15.7
\$50k-75k	18.6
\$75k-100k	14.7
\$100k-125k	8.9
\$125k-150k	6.8
\$150k-175k	5.1
\$175k-200k	3.7
<\$200k	10.3
Do not wish to answer	10.4

**Qu. 26 Physical disability**

<i>Response (N=905)</i>	<i>%</i>
Yes	2.0
No	98.0

**Qu. 27 Barriers at this location**

<i>Response (N=903)</i>	<i>%</i>
Yes	4.5
No	95.5

**Qu. 28a Other site barriers**

<i>Response (N=895)</i>	<i>%</i>
Yes	8.9
No	91.1

**Appendix 3 – User Group Cross Tabulations**

## Appendix 3 – Cross tabs: all sites

## 4b Is this the trail you normally visit

<i>User Group</i>	Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
Yes***	63.3	76.9	91.2	66.7	88.1	90.0	47.6	70.9

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

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

## 5a Frequency of SMMNRA visits

<i>User Group</i>	Hikers	Mountain bikers	Jogger	Sightseers	Dog walkers	Horseback riders	Picnickers	Total
<i>Mean Hours on trail</i> ***	6.21	7.74	10.26	4.06	11.27	12.77	2.35	7.28

[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

<i>User Group</i>	Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
Summer***	69.3	80.7	90.4	46.3	81.0	93.3	76.0	73.6
Fall***	55.7	59.0	75.3	29.6	73.8	90.0	12.0	57.2
Winter***	51.8	56.6	74.0	22.2	71.4	83.3	8.0	53.6
Spring***	64.1	63.9	80.8	46.3	78.6	90.0	16.0	64.6

[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

<i>User Group</i>	Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
Limited time	52.0	46.4	43.8	53.7	42.9	23.3	44.0	48.6
Easier access***	35.7	30.1	23.3	48.1	31.0	3.3	44.0	33.1
Different recreation opportunities	25.0	31.9	21.9	25.9	19.0	26.7	44.0	26.5
Community gardening	2.0	0	0	3.7	0	3.3	4.0	1.6
Group recreation opportunities**	8.6	6.6	8.2	5.6	0	6.7	28.0	8.1
See neighborhood friends	7.0	9.0	8.2	13.0	7.1	3.3	12.0	8.0
Easier to take children	14.8	14.5	15.1	11.1	0	13.3	16.0	13.7
Other	3.2	3.0	5.5	3.7	9.5	0	4.0	3.6
Not applicable/ Don't visit	13.6	8.4	17.8	11.1	11.9	30.0	12.0	13.3

[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

<i>User Group</i>	Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
Summer	54.1	60.8	56.2	61.1	45.2	46.7	68.0	55.7
Fall	38.0	33.1	39.7	35.2	38.1	43.3	16.0	36.5
Winter	35.7	33.7	41.1	29.6	38.1	40.0	12.0	34.9
Spring	41.6	38.0	49.3	38.9	38.1	43.3	24.0	40.7

[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

<i>User Group</i>		Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
Source	Ranger-led nature walks**	13.2	6.0	1.4	1.9	7.1	16.7	8.0	9.6
	School*	17.0	26.5	17.8	31.5	9.5	13.3	28.0	19.8
	Park brochures**	37.3	35.5	23.3	22.2	14.3	33.3	28.0	33.1
	Park signs	35.9	38.0	35.6	24.1	28.6	20.0	24.0	34.2
	Nature observation*	50.0	42.8	39.7	29.6	52.4	50.0	32.0	45.9
	Books	42.3	41.0	42.5	40.7	26.2	43.3	28.0	40.7
	Magazines	27.7	36.1	28.8	25.9	19.0	20.0	24.0	28.6

[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

<i>User Group</i>		Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
Reason	To provide recreational opportunities**	17.3	33.1	20.5	13.0	33.3	33.3	28.0	22.2
	To provide habitat for plants and animals**	58.9	42.8	57.5	63.0	45.2	36.7	52.0	54.1
	Both	20.2	22.3	20.5	18.5	16.7	30.0	16.0	20.6
	No opinion	1.8	1.2	1.4	5.6	4.8	0	0	1.9
	Other	0.7	0.6	1.4	0	0	0	0	0.6
	Total	98.9	100	101.3	100.1	100	100	96	99.4

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

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

## 14 Type of group

	Hikers	Mountain	Jogger	Sightseers	Dog	Horseback	Picnickers	Total

<i>Type of Group***</i>	(%)	bikers (%)	(%)	(%)	walkers (%)	riders (%)	(%)	(%)
Alone	30.4	30.3	39.7	13.0	47.6	36.7	8.0	30.5
Family	28.3	11.5	15.1	35.2	23.8	16.7	52.0	24.3
Friends	30.8	49.1	37.0	42.6	26.2	36.7	8.0	35.1
Family and friends	6.4	5.5	8.2	5.6	2.4	6.7	4.0	6.0
Religious Organization / Church	0	0	0	1.9	0	0	0	0.1
Youth club	0.9	0	0	0	0	0	0	0.5
Educational	1.1	0.6	0	0	0	0	0	0.7
Other organization or club	2.1	2.4	0	1.9	0	3.3	28.0	2.7

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

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

#### 18 Type of household

<i>Type of Household **</i>	Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
Single	35.4	32.3	23.6	42.0	25.6	17.2	28.0	32.8
Unrelated adults	10.0	4.3	13.9	12.0	17.9	6.9	0	9.2
Couple without children under 18	23.8	25.6	29.2	26.0	41.0	27.6	32.0	26.0
Single parent with children under 18	5.3	3.0	5.6	4.0	2.6	10.3	4.0	4.8
Two parents with children under 18	15.7	26.8	26.4	10.0	12.8	31.0	16.0	19.0
Multigenerational household	9.7	7.9	1.4	6.0	0	6.9	20.0	8.1

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

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

## 19 Housing tenure

	Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
<i>Housing tenure</i> ***								
Owned	59.6	75.3	58.9	49.0	61.5	89.7	41.7	62.6
Rented	40.4	24.7	41.1	51.0	38.5	10.3	59.3	37.4

[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	42.39	53.0	47.0	3.7	0.5	6.0	89.6	0.7	5.7	9.5	1.6	0	73.0	1.6	\$50,001-\$75,000
Mt. bikers	38.01	86.1	13.9	9.1	0.6	7.3	82.9	0.6	7.8	11.3	0.6	0	74.1	1.8	\$75,001-\$100,000
Joggers	39.60	53.4	46.6	6.8	0	12.3	80.8	2.7	1.4	11.0	1.4	1.4	79.5	1.4	\$75,001-\$100,000
Sightseers	37.69	70.4	29.6	15.1	0	7.5	77.4	3.7	1.9	16.0	1.9	0	70.4	3.8	\$50,001-\$75,000
Dog walkers	39.88	40.5	59.5	2.5	2.5	5.0	87.5	2.4	4.8	16.2	4.8	0	69.0	0	\$25,000-\$50,000
Horseback riders	46.13	20.0	80.0	0	0	0	100.0	0	0	0	0	0	86.7	3.3	\$50,001-\$75,000
Picnickers	34.52	52.0	48.0	4.0	8.0	20.0	68.0	0	0	52.0	0	4.0	56.0	4.0	\$75,001-\$100,000
Total	40.73	58.9	41.1	5.6	0.7	7.1	86.3	1.1	5.1	11.7	5.1	0.2	73.4	1.7	\$50,001-\$75,000

[1] For sex, education level, race and income, Chi-Square test was used to examine the difference across user groups.

[2] For age, one-way ANOVA was used to test the difference across user groups.

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