Appendix 5a – Frequencies for Large Sites

Appendix 5a – Descriptive statistics   (Large Sites)

Qu. 1   Visitors to SMMNRA

Visitor type (N=585)	%
First time visitors	10.3
Return visitors	89.7

Qu. 2a Activities engaged in during visit

Activity (N=587)	%	Activity (N=587)	%
Sightseeing	51.1	Horseback riding	4.9
Hiking	73.6	Rock climbing	7.0
Picnicking	13.8	Painting / crafts	1.5
Mountain biking	28.6	Photographing	11.2
Bird watching	16.7	Sunbathing	4.4
Walking dog(s)	15.8	Wading swimming	3.1
Jogging	23.9	Other	6.8
Camping	7.8		

Qu. 2b Three primary activities engaged in during visit

Activity (N=570)	%
Hiking	46.3
Mountain biking	20.9
Jogging	10.2
Sightseeing	5.4
Dog walking	5.6
Horseback riding	3.5
Picnicking	2.0

Qu. 3   Reason for visiting the SMMNRA

Reason (N=269)	%	Reason (N=?)	%
To exercise	86.7	To experience fewer people	37.1
To be outdoors	87.2	To attend and organized event	5.8
To enjoy the quiet	63.9	To undertake school research	0.5
To breathe fresh air	70.9	To engage in adventure sports	18.2
To see wildflowers	37.1	To be with companion animals	13.5
To see / hear wildlife	47.2	To socialize with family / friends	35.1
To enjoy scenic beauty	72.7	To educate children about nature	8.2
To escape the city / suburbs	51.8	Other	2.9
To commune with nature	47.7		

Qu. 4a Trail normally visited

Mean	SD	Min	Max	N
2.31	2.44	0	24	529

Qu. 4b Trail normally visited

Response (N=529)	%
Yes	77.1
No	22.9

Response (N=529)	%
Yes	31.6
No	68.4

Qu.4c   Visit other trails

Qu. 5a Frequency of visits to the SMMNRA?

Mean	SD	Min	Max	N
7.50	7.35	0	30	513

Qu. 5b Time of year most often visiting SMMNRA

Category (N=587)	%
Summer	73.6
Fall	57.9
Winter	54.7
Spring	64.4
All seasons	50.4

Qu. 5c Day of week most often visiting SMMNRA

Category (N=587)	%
Weekends	28.1
Weekdays	70.9

Qu. 5d Time of day most often visiting SMMNRA

Category (N=587)	%
Morning	64.6
Afternoon	33.0
Evening	22.1

Qu. 6a Reason for visiting local or neighborhood park

Reason (N=587)	%
Limited time	47.2
Easier access	32.5
Different recreation opportunities	26.4
Community gardening	1.9
Group recreation opportunities	7.8
See neighborhood friends	8.0
Easier to take children	14.0
Other	3.7

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

Mean	SD	Min	Max	N
4.53	6.32	0	30	441

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

Category (N=587)	%
Summer	55.5
Fall	37.6
Winter	36.5
Spring	42.6
All seasons	33.9

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

Category (N=587)	%
Weekends	47.9
Weekdays	21.6

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

Category (N=587)	%
Morning	32.9
Afternoon	33.0
Evening	23.0

Qu. 7 Knowledge of Fauna and Flora

Reason (N=587)	%	Reason	%
Ranger-led nature walks	10.4	Television	22.3
School	21.8	Previous visits	35.9
Park brochures	32.2	Family / friends	31.5
Park signs	33.7	Live in the area	31.3
Nature observation	45.5	Organized groups	5.6
Books	39.5	Internet	1.5
Magazines	29.3	Other	2.2

Qu. 8 Most important reason to protect SMM

Reason (N=587)	%

To provide recreational opportunities	22.7
To provide habitat for plants and animals	51.4
No opinion	1.7
Other	0.5
Both	22.8

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

Response *(N=583)*	*%*
Yes	78.8
No	21.2

Qu. 9 bHow do other users impact on trail experience?

Category (N=?)	Mean	Exclusive mean	Key
Mountain biking	3.25		5 = Strongly positive
Horseback riding	3.53		4 = Somewhat positive
Hiking	4.47		3 = Neither positive or negative
Running / jogging	4.23		2 = Somewhat negative
Picnicking	3.93		1 = strongly negative
Dog walking	3.43		
Other	2.09		

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

Reason (N=587)	%
Damage plants	17.2
Uncooperative behavior	27.8
Frighten wildlife	16.5
Startle people	20.6
Make too much noise	14.7
Litter	20.3
Scare horses	5.8
Leave animal wastes	23.5
Potential collisions / injury	19.4
Other	3.7

Qu. 10a   Travel minutes

Mean	SD	Min	Max	N
23.91	21.82	1	180	556

Qu. 12 Mode of travel to trail

Travel Mode (N=587)	%
Car / truck / SUV / van	90.5
Public transportation	0.0
Group transportation (club or organization)	0.0
Motorcycle / scooter	0.2
Bicycle	3.9
Walk / jog	4.4
Horseback	0.9
Other	0.2

Qu. 13 Participants in group

Type	Mean	SD	Min	Max	N
People	3.10	12.76	0	300	586
Animals	0.47	0.93	0	7	271

Qu. 14 Type of group

Group type (N=?)	%
Alone	30.7
Family	24.8
Friends	33.6
Family and Friends	7.0
Religious Organization / Church	0.0
Youth club	0.3
Educational	0.5
Other organization or club	2.7
Other	0.2

Qu. 15 Age

Mean	SD	Min	Max	N
40.94	11.75	18	80	587

(587)	
M	58.4
F	41.6

Qu. 16 Sex

Sex	%

Qu. 17a   Children under 18

Response (N=586)	%
Yes	29.9
No	70.1

Qu. 17b   How many children under 18

Mean	SD	Min	Max	N
1.77	0.85	1	5	171

Qu. 18 Type of household

Group type (N=569	%
Single	31.5
Unrelated adults	8.1
Couple without children under 18	27.9
Single parent with children under 18	5.1
Two parents with children under 18	20.2
Multigenerational household	7.2

Qu. 19 Own/rent house

Response (N=573	%
Owned by you or someone in your household	63.4
Rented	36.6

Qu. 20 Education

Response (N=576)	%
High school student	5.7
No high school diploma or GED	0.3
High school graduate or GED	7.1
College	86.6

Qu. 21 Hispanic/Latino

Response (N=560	%
Yes	11.1
No	88.9

Qu. 22 Race

Race (N=587)	%
American Indian or Alaska native	1.2
Asian	5.3
Black or African-American	1.9
Native Hawaiian or Pacific Islander	0.2
White	73.3
Do not wish to answer	17.0
Other	1.2

Qu. 23a   Country of origin

Country (N=587)	% of total
USA	78.9
Mexico	0.9
Iran	1.7

Qu. 23b   Years in USA

Mean	SD	Min	Max	N
23.91	21.82	1	180	556

Qu. 24 Language

Language (N=587)	% of total	Count
English	79.7	468
English & Spanish	2.4	14
Spanish	1.7	10

Qu. 25 Household income

Response (N=567)	%
>$50k	19.9
$50,001-$100k	35.1
$100,001-$200k	25.6
Greater than $200k	9.7
Do not wish to answer	9.7

Qu. 26 Physical disability

Response (N=584)	%
Yes	2.1
No	97.9

Qu. 27 Barriers at this location

Response (N=580)	%
Yes	4.8
No	95.2

Qu. 28a　　　　Barriers at other SMMNRA sites

Response (N=580)	%
Yes	8.5
No	91.5

Qu. 28b　　　　What barriers

Barrier type (N=?)	%

Appendix 5b – Cross Tabulations for Large Sites

Appendix 5b – Cross tabs for primary sites

4b   Is this the trail you normally visit

User Group	Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
Yes***	73.4	79.1	92.6	72.0	96.9	95.0	22.2	78.2

[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 ***	6.82	8.00	10.56	5.04	11.28	10.70	2.38	7.82

[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***	71.2	79.0	93.1	58.1	87.5	90.0	66.7	76.1
Fall***	56.4	58.0	77.6	41.9	78.1	90.0	8.3	59.7
Winter***	53.8	57.1	74.1	35.5	78.1	80.0	0	56.9
Spring***	64.8	64.7	84.5	51.6	75.0	90.0	8.3	66.4

[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	50.8	41.2	46.6	48.4	43.8	25.0	50.0	46.6
Easier access*	33.7	31.1	24.1	48.4	28.1	5.0	50.0	31.9
Different recreation opportunities	23.9	33.6	22.4	32.3	15.6	20.0	41.7	26.1
Community gardening	2.3	0	0	6.5	0	0	8.3	1.7
Group recreation opportunities*	8.0	7.6	10.3	6.5	0	5.0	33.3	8.0
See neighborhood friends*	5.3	10.1	10.3	19.4	6.3	5.0	25.0	8.2
Easier to take children	15.2	16.0	13.8	12.9	0	15.0	16.7	14.2
Other	2.7	3.4	6.9	6.5	9.4	0	0	3.7
Not applicable/ Don't visit	13.6	8.4	15.5	12.9	9.4	30.0	8.3	12.9

[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	54.5	58.0	55.2	58.1	43.8	40.0	75.0	54.9
Fall	40.2	31.9	41.4	38.7	34.4	45.0	25.0	37.9
Winter	38.3	33.6	43.1	32.3	37.5	40.0	16.7	36.9
Spring	44.3	37.0	50.0	41.9	37.5	45.0	41.7	42.7

[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

User Group	Hikers (%)	Mountain bikers (%)	Jogger (%)	Sightseers (%)	Dog walkers (%)	Horseback riders (%)	Picnickers (%)	Total (%)
Ranger-led nature walks	14.4	7.6	1.7	3.2	9.4	10.0	8.3	10.3
School*	18.2	29.4	20.7	38.7	9.4	15.0	33.3	21.8
Park brochures	36.0	37.8	24.1	22.6	15.6	35.0	33.3	33.0
Park signs	36.7	37.0	36.2	19.4	21.9	20.0	33.3	34.1
Nature observation	49.2	37.8	39.7	29.0	46.9	60.0	25.0	44.2
Books	40.5	42.0	36.2	38.7	18.8	55.0	33.3	39.4
Magazines	30.3	36.1	25.9	29.0	12.5	25.0	25.0	29.7

[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**	17.0	34.5	20.7	16.1	37.5	30.0	25.0	23.1
To provide habitat for plants and animals*	58.0	38.7	58.6	54.8	43.8	40.0	58.3	52.1
Both	20.8	26.1	20.7	22.6	15.6	30.0	16.7	22.0
No opinion	1.5	0	1.7	6.5	3.1	0	0	1.5
Other	0.8	0.8	0	0	0	0	0	0.6

[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	33.6	29.7	34.5	12.9	46.9	30.0	8.3	31.7
Family	27.1	12.7	15.5	51.6	28.1	25.0	33.3	24.2
Friends	30.2	48.3	41.4	25.8	21.9	30.0	0	34.0
Family and friends	7.3	4.2	8.6	6.5	3.1	10.0	0	6.4
Religious Organization / Church	0	0	0	0	0	0	0	0
Youth club	0.8	0	0	0	0	0	0	0.4
Educational	0.8	0.8	0	0	0	0	0	0.6
Other organization or club	0.4	3.4	0	3.2	0	5.0	58.3	2.6

[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	34.6	31.6	24.6	32.1	23.3	15.8	16.7	31.0
Unrelated adults	9.3	3.4	15.8	3.6	13.3	5.3	0	8.3
Couple without children under 18	24.9	25.6	28.1	42.9	46.7	21.1	50.0	28.1
Single parent with children under 18	5.4	4.3	7.0	3.6	3.3	15.8	0	5.4
Two parents with children under 18	17.9	26.5	22.8	10.7	13.3	36.8	8.3	20.2
Multigenerational household	7.8	8.5	1.8	7.1	0	5.3	25.0	7.1

[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 (%)
Housing Tenure***								
Owned	57.9	78.3	51.7	63.3	53.3	89.5	54.5	62.8
Rented	42.1	21.7	48.3	36.7	46.7	10.5	45.5	37.2

[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	42.24	48.5	51.5	3.1	0	5.4	91.5	0.4	5.3	9.5	1.5	0	73.9	1.2	$50,001-$75,000
Mt. bikers	38.14	84.9	15.1	10.3	0.9	6.8	82.1	0.8	7.6	11.4	0	0	73.9	1.6	$75,001-$100,000
Joggers	38.79	60.3	39.7	5.2	0	13.8	81.0	3.4	1.7	10.3	1.7	1.7	75.9	1.7	$25,000-$50,000 & $75,001-$100,000
Sightseers	41.68	80.6	19.4	16.7	0	6.7	76.7	3.2	0	10.7	3.2	0	77.4	0	$50,001-$75,000
Dog walkers	40.25	40.6	59.4	0	0	6.5	90.3	3.1	3.1	10.3	6.3	0	75.0	0	$125,001-$150,000
Horseback riders	45.50	20.0	80.0	0	0	0	100.0	0	0	0	0	0	95.0	0	$50,001-$75,000 & $125,001-$150,000
Picnickers	42.33	41.7	58.3	0	0	16.7	83.3	0	0	33.3	0	0	58.3	8.3	$75,001-$100,000
Total	40.93	58.0	42.0	5.3	0.2	6.8	87.5	1.1	4.7	10.4	1.5	0.2	74.8	1.4	$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