Appendix 4a – Frequencies: Small Sites

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# Appendix 4a – Descriptive statistics (Small site) Qu. 1 Visitors to SMMNRA

Visitor type (N=321)	%
First time visitors	18.1
Return visitors	81.9

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

Activity (N=325)	%	Activity (N=325)	%
Sightseeing	62.2	Horseback riding	5.2
Hiking	84.0	Rock climbing	10.2
Picnicking	20.3	Painting / crafts	1.8
Mountain biking	22.2	Photographing	16.6
Bird watching	14.8	Sunbathing	7.4
Walking dog(s)	13.2	Wading swimming	7.7
Jogging	18.5	Other	9.5
Camping	9.8		

## Qu. 2b Three primary activities engaged in during visit

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Activity (N=318)	%
Hiking	55.3
Mountain biking	14.8
Jogging	4.7
Sightseeing	7.2
Dog walking	3.1
Horseback riding	3.1
Picnicking	4.1

### Qu. 3 Reason for visiting the SMMNRA

Reason (N=325)	%	Reason (N=325)	%
Neuson (N=323)	/0	, , ,	/0
To exercise	80.6	To experience fewer people	45.5
To be outdoors	90.2	To attend and organized event	4.9
To enjoy the quiet	70.2	To undertake school research	0.6
To breathe fresh air	77.8	To engage in adventure sports	18.2
To see wildflowers	39.2	To be with companion animals	14.5
To see / hear wildlife	47.1	To socialize with family / friends	37.8
To enjoy scenic beauty	75.7	To educate children about nature	7.1
To escape the city / suburbs	58.2	Other	1.8
To commune with nature	56.9		•

### Qu. 4a Trail normally visited

Mean	SD	Min	Max	N
2.85	2.74	0	24.0	304

$\Omega_{11}$	4h	Trail	normally	visited.
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Response (N=281)	%
Yes	59.8
No	40.2

Response (N=280)	%
Yes	80.7
No	19.3

### Qu.4c Visit other trails

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

Mean	SD	Min	Max	N
6.02	6.69	0	30	267

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

Category (N=325)	%
Summer	68.6
Fall	51.1
Winter	46.8
Spring	59.4
All seasons	43.4

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

Category (N=325)	%
Weekends	75.4
Weekdays	21.1

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

Category (N=325)	<b>%</b>
Morning	62.5
Afternoon	37.8
Evening	19.1

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

Reason (N=325)	%
Limited time	51.7
Easier access	35.7
Different recreation opportunities	26.8
Community gardening	1.5
Group recreation opportunities	8.3
See neighborhood friends	7.4
Easier to take children	12.3
Other	3.4

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

Mean	SD	Min	Max	N
4.15	5.92	0	30	250

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

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Category (N=325)	%
Summer	58.2
Fall	34.8
Winter	32.0
Spring	37.5
All seasons	29.5

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

Category (N=325)	%
Weekends	50.2
Weekdays	21.2

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

Category (N=325)	%
Morning	35.7
Afternoon	35.7
Evening	21.8

### Qu. 7 Knowledge of Fauna and Flora

Reason (N=325)	%	Reason	%
Ranger-led nature walks	8.6	Television	19.7
School	16.3	Previous visits	35.4
Park brochures	31.7	Family / friends	35.7
Park signs	33.2	Live in the area	29.2
Nature observation	47.1	Organized groups	8.6
Books	41.8	Internet	1.8
Magazines	26.2	Other	1.2

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

	<u> </u>	1	
Reason	(N=325)	%	

To provide recreational opportunities	20.9
To provide habitat for plants and animals	56.3
No opinion	2.5
Other	0.6
Both	19.4

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

Response (N=324)	%
Yes	75.6
No	24.4

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

Category (N=221)	Mean	Exclusive mean	Key
Mountain biking	3.24		5 = Strongly positive
Horseback riding	3.36		4 = Somewhat positive
Hiking	4.57		3 = Neither positive or negative
Running / jogging	4.32		2 = Somewhat negative
Picnicking	3.92		1 = strongly negative
Dog walking	3.39		
Other	2.30		

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

Reason (N=325)	%
Damage plants	21.8
Uncooperative behavior	25.8
Frighten wildlife	20.0
Startle people	20.3
Make too much noise	16.6
Litter	23.1
Scare horses	6.2
Leave animal wastes	26.5
Potential collisions / injury	19.4
Other	3.4
Dogs off leash	1.5

Qu. 10a Travel minutes

Mean	SD	Min	Max	N	
35.19	28.15	1	180	302	

### Qu. 12 Mode of travel to trail

Travel Mode (N=325)	%
Car / truck / SUV / van	88.6
Public transportation	0.0
Group transportation (club or organization)	0.3
Motorcycle / scooter	0.9
Bicycle	3.1
Walk / jog	5.5
Horseback	1.2
Other	0.3

## Qu. 13 Participants in group

Type	Mean	SD	Min	Max	N
People	3.51	5.42	1	65	324
Animals	0.50	0.96	0	4	124

## Qu. 14 Type of group

Group type (N=325)	%
Alone	26.8
Family	25.2
Friends	36.3
Family and Friends	6.5
Religious Organization / Church	0.3
Youth club	0.9
Educational	1.2
Other organization or club	2.8
Other	0.0

Qu. 15 Age

Mean	SD	Min	Max	N
40.52	12.59	18	83	325

Qu.	16	Sex

<i>Sex</i> ( <i>N</i> =325)	%
M	60.9
F	39.1

### Qu. 17a Children under 18

Response (N=323)	%
Yes	28.2
No	71.8

## Qu. 17b How many children under 18

Mean	SD	Min	Max	N
1.76	0.89	1	6	89

## Qu. 18 Type of household

Group type (N=322)	%
Single	35.7
Unrelated adults	10.9
Couple without children under 18	22.7
Single parent with children under 18	4.0
Two parents with children under 18	17.4
Multigenerational household	9.3

### Qu. 19 Own/rent house

Response (N=318)	%
Owned by you or someone in your household	62.6
Rented	37.4

### Qu. 20 Education

Response (N=322)	%
High school student	5.9
No high school diploma or GED	1.9
High school graduate or GED	8.7
College	83.2

### Qu. 21 Hispanic/Latino

Response (N=311)	%
Yes	13.2
No	86.8

### Qu. 22 Race

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Race (N=325)	%
American Indian or Alaska native	1.5
Asian	5.8
Black or African-American	1.2
Native Hawaiian or Pacific Islander	1.2
White	68.8
Do not wish to answer	17.8
Other	2.4

### Qu. 23a Country of origin

	<u> </u>
Country (N=325)	% of total
USA	74.5
Mexico	4.6
Iran	1.5

### Qu. 24 Language

Language (N=325)	% of total	Count
English	73.5	239
Spanish	3.7	12
English & Spanish	2.8	9
Spanish & English	2.2	7

Qu. 23b Years in USA

Mean	SD	Min Max		N	
18.22	9.94	1	45	72	

Qu.	25	Household	income
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Response (N=317)	%
>\$50k	24.3
\$50,001-\$100k	30.0
\$100,001-\$200k	22.7
Greater than \$200k	11.4
Do not wish to answer	11.7

## Qu. 26 Physical disability

Response (N=321)	%
Yes	1.9
No	98.1

## Qu. 27 Barriers at this location

Response (N=323)	%
Yes	4.0
No	96.0

Qu. 28a Barriers at other SMMNRA sites

Response (N=318)	%
Yes	9.7
No	90.3

 ${\bf Appendix\ 4b-Cross\ Tabulations:\ Small\ Sites}$ 

### Appendix 4b – Cross tabs for small sites

### 4b Is this the trail you normally visit

User Group	Hikers	Mountain	Jogger	Sightseers	Dog	Horseback	Picnickers	Total
	(%)	bikers	(%)	(%)	walkers	riders	(%)	(%)
		(%)			(%)	(%)		
Yes***	83.1	95.6	78.6	76.9	70.0	90.0	33.3	82.2

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

### 5a Frequency of SMMNRA visits

User Group	Hikers	Mountain bikers	Jogger	Sightseers		Horseback riders	Picnickers	Total
Mean Hours on trail ***	5.23	7.11	9.07	2.17	11.22	16.90	2.33	6.23

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

#### 5b Time of year SMMNRA visited most often

Car Sivily Wa I visited most often								
User Group	Hikers	Mountain	Jogger	Sightseers	Dog	Horseback	Picnickers	Total
	(%)	bikers	(%)	(%)	walkers	riders	(%)	(%)
		(%)			(%)	(%)		
Summer***	66.5	85.1	80.0	30.4	60.0	100.0	84.6	69.0
Fall***	54.5	61.7	66.7	13.0	60.0	90.0	15.4	52.7
Winter***	48.9	55.3	73.3	4.3	50.0	90.0	15.4	47.6
Spring**	63.1	61.7	66.7	39.1	90.0	90.0	23.1	61.2

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

<sup>\*</sup> p<.05, \*\* p<.01, \*\*\* p<.001

<sup>\*</sup> p<.05, \*\* p<.01, \*\*\* p<.001

<sup>\*</sup> p<.05, \*\* p<.01, \*\*\* p<.001

#### Reason for visiting local or neighborhood park 6a

User Group	Hikers	Mountain	Jogger	Sightseers	Dog	Horseback	Picnickers	Total
	(%)	bikers	(%)	(%)	walkers	riders	(%)	(%)
		(%)			(%)	(%)		
Limited time	54.0	59.6	33.3	60.9	40.0	20.0	38.5	52.0
Easier access	38.6	27.7	20.0	47.8	40.0	0	38.5	35.4
Different recreation opportunities	26.7	27.7	20.0	17.4	30.0	40.0	46.2	27.2
Community gardening	1.7	0	0	0	0	10.0	0	1.4
Group recreation opportunities	9.7	4.3	0	4.3	0	10.0	23.1	8.2
See neighborhood friends	9.7	6.4	0	4.3	10.0	0	0	7.5
Easier to take children	14.2	10.6	20.0	8.7	0	10.0	15.4	12.9
Other	4.0	2.1	0	0	10.0	0	7.7	3.4
Not applicable/ Don't visit	13.6	8.5	26.7	8.7	20.0	30.0	15.4	13.9

[1] Chi-Square test was used to examine the difference across user groups. \* p<.05, \*\* p<.01, \*\*\* p<.001

#### Time of year most often visiting local park 6c

	<u> </u>							
User Group	Hikers	Mountain	Jogger	Sightseers	Dog	Horseback	Picnickers	Total
	(%)	bikers	(%)	(%)	walkers	riders	(%)	(%)
		(%)			(%)	(%)		
Summer	53.4	68.1	60.0	65.2	50.0	60.0	61.5	57.5
Fall	34.7	36.2	33.3	30.4	50.0	40.0	7.7	34.0
Winter	31.8	34.0	33.3	26.1	40.0	40.0	7.7	31.3
Spring	37.5	40.4	46.7	34.8	40.0	40.0	7.7	37.1

[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	Jogger	Sightseers	Dog	Horseback	Picnickers	Total
	(%)	bikers	(%)	(%)	walkers	riders	(%)	(%)
		(%)			(%)	(%)		
Ranger-led nature walks*	11.4	2.1	0	0	0	30.0	7.7	8.5
School	15.3	19.1	6.7	21.7	10.0	10.0	23.1	16.0
Park brochures	39.2	29.8	20.0	21.7	10.0	30.0	23.1	33.3
Park signs	34.7	40.4	33.3	30.4	50.0	20.0	15.4	34.4
Nature observation	51.1	55.3	40.0	30.4	70.0	30.0	38.5	49.0
Books	44.9	38.3	66.7	43.5	50.0	20.0	23.1	43.2
Magazines	23.9	36.2	40.0	21.7	40.0	10.0	23.1	26.5

<sup>[1]</sup> Chi-Square test was used to examine the difference across user groups. \* p<.05, \*\* p<.01, \*\*\* p<.001

#### Most important reason to protect SMM 8

User Group	Hikers	Mountain	Jogger	Sightseers	Dog	Horseback	Picnickers	Total
	(%)	bikers	(%)	(%)	walkers	riders	(%)	(%)
		(%)			(%)	(%)		
To provide recreational	17.6	29.8	20.0	8.7	20.0	40.0	30.8	20.4
opportunities								
To provide habitat for plants and	60.2	53.2	53.3	73.9	50.0	30.0	46.2	57.8
animals								
Both	19.3	12.8	20.0	13.0	20.0	30.0	15.4	18.0
No opinion	2.3	4.3	0	4.3	10.0	0	0	2.7
Other	0.6	0	6.7	0	0	0	0	0.7

<sup>[1]</sup> Chi-Square test was used to examine the difference across user groups. \* p<.05, \*\* p<.01, \*\*\* p<.001

Type of group 14

	Hikers	Mountain	Jogger	Sightseers	Dog	Horseback	Picnickers	Total
	(%)	bikers	(%)	(%)	walkers	riders	(%)	(%)
Type of Group**		(%)			(%)	(%)		
Alone	25.6	31.9	60.0	13.0	50.0	50.0	7.7	28.2
Family	30.1	8.5	13.3	13.0	10.0	0	69.2	24.5
Friends	31.8	51.1	20.0	65.2	40.0	50.0	15.4	37.1
Family and friends	5.1	8.5	6.7	4.3	0	0	7.7	5.4
Religious Organization / Church	0	0	0	4.3	0	0	0	0.3
Youth club	1.1	0	0	0	0	0	0	0.7
Educational	1.7	0	0	0	0	0	0	1.0
Other organization or club	4.5	0	0	0	0	0	0	2.7

<sup>[1]</sup> Chi-Square test was used to examine the difference across user groups. \* p<.05, \*\* p<.01, \*\*\* p<.001

#### Type of household 18

V.1	Hikers	Mountain	Jogger	Sightseers	Dog	Horseback	Picnickers	Total
	(%)	bikers	(%)	(%)	walkers	riders	(%)	(%)
Type of Household		(%)			(%)	(%)		
Single	36.6	34.0	20.0	54.5	33.3	20.0	38.5	36.1
Unrelated adults	10.9	6.4	6.7	22.7	33.3	10.0	0	11.0
Couple without children under 18	22.3	25.5	33.3	4.5	22.2	40.0	15.4	22.3
Single parent with children under 18	5.1	0	0	4.5	0	0	7.7	3.8
Two parents with children under 18	12.6	27.7	40.0	9.1	11.1	20.0	23.1	16.8
Multigenerational household	12.6	6.4	0	4.5	0	10.0	15.4	10.0

<sup>[1]</sup> Chi-Square test was used to examine the difference across user groups. \* p<.05, \*\* p<.01, \*\*\* p<.001

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#### 19 Housing tenure

	Hikers	Mountain	Jogger	Sightseers	Dog	Horseback	Picnickers	Total
Housing	(%)	bikers	(%)	(%)	walkers	riders	(%)	(%)
Tenure***		(%)			(%)	(%)		
Owned	62.2	68.1	86.7	28.6	88.9	90.0	30.8	62.4
Rented	37.8	31.9	13.3	71.4	11.1	10.0	69.2	37.6

[1] Chi-Square test was used to examine the difference across user groups. \* p<.05, \*\* p<.01, \*\*\* p<.001

### Demographics

Lisar aroun Mean		Sex (%) [2]***		Education completed (%)					/Ethnicit	y (%)		Madian Income Banga				
User group	Age[1]***	M	F	HS Student	No HS	HS/GED	College	Nat	Asian	Hisp	Afr/Am	PacIsl	White	Other	Median Income Range	
Hikers	42.61	59.7	40.3	4.6	1.1	6.9	86.8	1.1	6.3	9.5	1.7	0	71.6	2.3	\$50,001-\$75,000	
Mt. bikers	37.66	89.4	10.6	6.4	0	8.5	85.1	0	8.5	11.1	2.1	0	74.5	2.1	Greater than \$200,000	
Joggers	42.73	26.7	73.3	13.3	0	6.7	80.0	0	0	13.3	0	0	93.3	0	\$75,001-\$100,000	
Sightseers	32.30	56.5	43.5	13.0	0	8.7	78.3	4.3	4.3	22.7	0	0	60.9	8.6	\$25,000-\$50,000	
Dog walkers	38.70	40.0	60.0	11.1	11.1	0	77.8	0	10.0	37.5	0	0	50.0	0	\$25,000-\$50,000 & \$100,001-\$125,000	
Horseback riders	47.40	20.0	80.0	0	0	0	100.0	0	0	0	0	0	70.0	10.0	Greater than \$200,000	
Picnickers	27.31	61.5	38.5	7.7	15.4	23.1	53.8	0	0	69.2	0	7.7	53.8	0	\$25,000-\$50,000	
Total	40.37	60.5	39.5	6.2	1.7	7.6	84.2	1.0	5.8	14.3	1.4	0.3	70.7	2.7	\$50,001-\$75,000	

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

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

<sup>\*</sup> p<.05, \*\* p<.01, \*\*\* p<.001