

Appendix C: Spending Data Files

Introduction

This appendix includes "hard" copies of all the spending profiles that come with the MGM2 software. These profiles are available from the SPEND Page as one of the six generic profiles (Tables C1 through C6) or as one of five individual park profiles that may be imported (Tables C7 through C11). Table C12 lists **additional** spending profiles that are available for downloading from the MGM2 website.

The following abbreviations are used in the tables to denote visitor segments:

- "L-Day User" = local day users
- "NL-Day User" = nonlocal day users
- "Motel-IN" = visitors staying in lodging facilities inside the park
- "Camp-IN" = campers inside the park
- "Backcountry" = backcountry campers
- "Motel-OUT" = visitors staying in lodging facilities outside the park
- "Camp-OUT" = campers outside the park.
- "VFR" = visitors staying overnight with friends and relatives

Tables C7 through C11 were developed based on further analysis of VSP survey data at Michigan State University. We feel that these five profiles are the most reliable and valid of the VSP data sets that we have analyzed thus far. They are provided as an option for those parks that do not have their own expenditure data. Whether importing any of the Table C7-C11 profiles or another individual park profile from the MGM2 website, their limitations must be considered if they are to be used to represent visitor spending at a park for which no survey data are available.

- As indicated in Table C13, we were able to construct only two or three lodging segments for some parks due to the limits of the survey (missing data, missing variables, sample sizes less than 20 for a given segment, etc.).
- The National Park Service (NPS) visitor survey asked visitors to report expenses in four categories—Lodging, Travel, Food, and Other. We do not know the degree to which visitors had difficulty dividing their total trip spending among these four categories. In addition, the percentages used to reallocate spending from these four categories into MGM2's 12 detailed categories are derived from a variety of traveler surveys (Table C14). To the extent that the percentages in Table C14 differ from the manner in which National Park visitors distribute their spending, they may not be appropriate for every park situation.
- Some park spending profiles (e.g., Table C7) are based on "Day-spending", meaning that visitors were asked to report their expenditures for the day they received the survey, instead for their entire trip. These figures may not be comparable to party-night spending averages that were generated by dividing total trip expenditures by length of stay.

Appendix D describes methods for adjusting any of these profiles based on data that you feel are more current and/or accurate.

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Table C1: Generic Spending Profile – Historic Sites- Medium

Visitor Spending by Lodging Segment in Local Area		Party-night			Historic Sites-Medium
CATEGORY	L- Day User	NL-Day User	Overnight	VFR	
Motel, hotel cabin or B&B	0.00	0.00	75.15	0.00	
Camping fees	0.00	0.00	0.00	0.00	
Restaurants & bars	8.19	13.70	21.43	11.00	
Groceries, take-out food/drinks	2.32	3.87	5.70	11.24	
Gas & oil	3.45	7.99	8.40	8.54	
Other vehicle expenses	0.13	0.30	1.03	0.20	
Local transportation	0.43	0.96	4.67	0.58	
Admissions & fees	2.58	6.61	6.73	3.39	
Clothing	1.60	4.37	5.47	3.05	
Sporting goods	0.00	0.34	0.00	2.00	
Gambling	0.00	0.00	0.00	0.00	
Souvenirs and other expenses	4.99	13.59	9.16	10.00	
Total	23.70	51.71	137.75	50.00	
Segment Shares					
Number of Cases	1075		61	28	
Length of Stay in Area	1.0		3.3	3.6	
Party Size	3.2		3.3	3.1	
Standard Error of Mean	1.9		60.2	37.3	
Percent Error	8%		15%	28%	

Comments:

- The "Average" spending of Local Day User is based on the average of four historical parks- Edison NHS, Adams NHS, Pecos NHP, and Lowell NHP, and price adjusted to 1998.
- The spending profile for Non-local Day Users comes from several general traveler and recreation expenditure surveys and has been adjusted to obtain midrange values between low and the high spending averages for non-local day users in those studies. Because the values do not come from a single study, data pertaining to the number of cases, length of stay, etc. are not appropriate here.
- The spending profile for VFR (Visiting friends and relatives) comes from the Pecos NHP VSP survey and was price adjusted to 1998.
- The spending profile for Overnight (Overnight visitors not staying with friends or relatives) comes from the Pecos NHP VSP survey and was price adjusted to 1998.
- The percentages used to distribute the spending into the 12 detailed categories are from Table C14.
- There are no values for segment shares because the generic profiles are composed of average values from a variety of different parks.
- The average "stand error of mean" is the unweighted average of the standard errors of means from four historic parks.

Table C2: Generic Spending Profile – Historic Sites- Low*

Visitor Spending by Lodging Segment in Local Area				Party-night	Historic Sites- Low
CATEGORY	L- Day User	NL-Day User	Overnight	VFR	
Motel, hotel cabin or B&B	0.00	0.00	52.61	0.00	
Camping fees	0.00	0.00	0.00	0.00	
Restaurants & bars	5.73	9.59	15.00	7.70	
Groceries, take-out food/drinks	1.62	2.71	3.99	7.87	
Gas & oil	2.41	5.59	5.88	5.98	
Other vehicle expenses	0.09	0.21	0.72	0.14	
Local transportation	0.30	0.67	3.27	0.41	
Admissions & fees	1.80	4.62	4.71	2.37	
Clothing	1.12	3.06	3.83	2.14	
Sporting goods	0.00	0.23	0.00	1.40	
Gambling	0.00	0.00	0.00	0.00	
Souvenirs and other expenses	3.49	9.51	6.42	7.00	
Total	16.59	36.20	96.42	35.00	
Segment Shares					
Number of Cases	1075		61	28	
Length of Stay in Area	1.0		3.3	3.6	
Party Size	3.2		3.3	3.1	
Standard Error of Mean	1.9		60.2	37.3	
Percent Error	8%		15%	28%	

*For notes on missing data for segment shares and nonlocal day users, see comments below Table C1.

Table C3: Generic Spending Profile – Historic Sites- High*

Visitor Spending by Lodging Segment in Local Area				Party-night	Historic Sites- High
CATEGORY	L- Day User	NL-Day User	Overnight	VFR	
Motel, hotel cabin or B&B	0.00	0.00	97.70	0.00	
Camping fees	0.00	0.00	0.00	0.00	
Restaurants & bars	10.65	17.81	27.86	14.30	
Groceries, take-out food/drinks	3.01	5.03	7.41	14.61	
Gas & oil	4.48	10.38	10.91	11.10	
Other vehicle expenses	0.17	0.40	1.34	0.26	
Local transportation	0.56	1.25	6.07	0.76	
Admissions & fees	3.35	8.59	8.75	4.41	
Clothing	2.09	5.68	7.11	3.97	
Sporting goods	0.00	0.44	0.00	2.60	
Gambling	0.00	0.00	0.00	0.00	
Souvenirs and other expenses	6.49	17.66	11.91	13.00	
Total	30.80	67.23	179.07	65.00	
Segment Shares					
Number of Cases	1075		61	28	
Length of Stay in Area	1.0		3.3	3.6	
Party Size	3.2		3.3	3.1	
Standard Error of Mean	1.9		60.2	37.3	
Percent Error	8%		15%	28%	

*For notes on missing data for segment shares and nonlocal day users, see comments below Table C1.

Table C4: Generic Spending Profile – Parks - Medium

Visitor Spending by Lodging Segment in Local Area						Party-night	Parks- Medium	
CATEGORY	L-Day User	NL-Day		Backcountry			Camp-Out	VFR
		User	Motel-In	Camp-In	Campers	Motel-Out		
Motel, hotel cabin or B&B	0.00	0.00	90.84	0.00	4.50	80.26	0.00	0.00
Camping fees	0.00	0.00	0.00	15.08	2.00	0.00	19.53	0.00
Restaurants & bars	11.28	14.98	32.59	9.27	5.80	36.11	11.35	11.00
Groceries, take-out food/drinks	8.34	5.69	5.52	12.04	4.16	6.01	8.31	11.24
Gas & oil	6.37	7.97	10.19	13.74	5.00	12.75	10.65	8.54
Other vehicle expenses	0.60	0.82	1.80	1.07	0.00	1.14	1.17	0.20
Local transportation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58
Admissions & fees	3.00	6.00	9.50	4.99	3.00	9.12	12.08	3.39
Clothing	1.25	2.00	4.50	2.90	0.96	5.49	6.73	3.05
Sporting goods	1.12	1.05	1.08	1.13	2.54	1.54	0.61	2.00
Gambling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Souvenirs and other expenses	6.15	6.57	9.92	5.47	6.04	10.31	12.06	10.00
Total	38.11	45.08	165.94	65.69	34.00	162.73	82.49	50.00
Segment Shares								
Number of Cases	177	884	227	144	26	955	199	28
Length of Stay in Area	1.0	1.0	2.7	4.1	2.7	2.8	2.7	3.6
Party Size	2.9	3.0	3.0	2.8	2.5	2.8	2.5	3.1

Comments:

- The medium spending profile is based on the unweighted average of six national parks- Everglades National Park (FL), Great Smoky Mountain National Park (TN-NC), Mammoth Cave National Park (KY), Death Valley NP (CA-NV), Glacier NP (MT), and Big South Fork National Recreation Area (TN-KY).
- "L-Day User"- The unweighted average of survey data from "BISO, GRSM, Everglades NP, and MACA".
- "NL-Day User"- The unweighted average of survey data from " BISO, GRSM, MACA, Everglades NP, Death Valley NP, and Glacier NP".
- "Motel-In"- The unweighted average of survey data from "GRSM, MACA, Everglades NP, and Death Valley NP". .
- "Camp-In"-The unweighted average of survey data from "GRSM, Everglades NP, Death Valley NP".
- "Motel-Out"-The unweighted average of survey data from "GRSM, MACA, Everglades NP, Death Valley NP".
- "Camp-Out"-The unweighted average of survey data from "GRSM, MACA, and Death Valley NP".
- There are no values for segment shares because the generic profiles are composed of average values from a variety of different parks.

Table C5: Generic Spending Profile – Parks - Low*

Visitor Spending by Lodging Segment in Local Area						Party-night		Parks- Low	
CATEGORY	L-Day User	NL-Day		Backcountry			Motel-Out	Camp-Out	VFR
		User	Motel-In	Camp-In	Campers				
Motel, hotel cabin or B&B	0.00	0.00	63.59	0.00	3.15	56.18	0.00	0.00	
Camping fees	0.00	0.00	0.00	10.56	1.40	0.00	13.67	0.00	
Restaurants & bars	7.90	10.49	22.81	6.49	4.06	25.27	7.95	7.70	
Groceries, take-out food/drinks	5.84	3.98	3.86	8.43	2.91	4.21	5.82	7.87	
Gas & oil	4.46	5.58	7.13	9.62	3.50	8.92	7.45	5.98	
Other vehicle expenses	0.42	0.57	1.26	0.75	0.00	0.80	0.82	0.14	
Local transportation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	
Admissions & fees	2.10	4.20	6.65	3.49	2.10	6.39	8.45	2.37	
Clothing	0.88	1.40	3.15	2.03	0.67	3.84	4.71	2.14	
Sporting goods	0.78	0.74	0.76	0.79	1.78	1.08	0.43	1.40	
Gambling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Souvenirs and other expenses	4.31	4.60	6.94	3.83	4.23	7.22	8.44	7.00	
Total	26.68	31.56	116.15	45.98	23.80	113.91	57.74	35.00	
Segment Shares									
Number of Cases	177	884	227	144	26	955	199	28	
Length of Stay in Area	1.0	1.0	2.7	4.1	2.7	2.8	2.7	3.6	
Party Size	2.9	3.0	3.0	2.8	2.5	2.8	2.5	3.1	

*There are no values for segment shares in Tables C5 or C6 because the generic profiles are composed of average values from a variety of different parks.

Table C6: Generic Spending Profile – Parks - High*

Visitor Spending by Lodging Segment in Local Area						Party-night		Parks- High	
CATEGORY	L-Day User	NL-Day		Backcountry			Motel-Out	Camp-Out	VFR
		User	Motel-In	Camp-In	Campers				
Motel, hotel cabin or B&B	0.00	0.00	118.09	0.00	5.85	104.34	0.00	0.00	
Camping fees	0.00	0.00	0.00	19.61	2.60	0.00	25.39	0.00	
Restaurants & bars	14.66	19.47	42.36	12.05	7.54	46.94	14.76	14.30	
Groceries, take-out food/drinks	10.84	7.40	7.17	15.65	5.41	7.81	10.81	14.61	
Gas & oil	8.28	10.36	13.25	17.86	6.50	16.57	13.84	11.10	
Other vehicle expenses	0.78	1.07	2.34	1.39	0.00	1.48	1.52	0.26	
Local transportation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	
Admissions & fees	3.90	7.80	12.35	6.49	3.90	11.86	15.70	4.41	
Clothing	1.63	2.60	5.85	3.77	1.25	7.14	8.75	3.97	
Sporting goods	1.46	1.37	1.40	1.48	3.30	2.00	0.80	2.60	
Gambling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Souvenirs and other expenses	8.00	8.54	12.90	7.11	7.85	13.41	15.67	13.00	
Total	49.54	58.60	215.72	85.40	44.20	211.55	107.24	65.00	
Segment Shares									
Number of Cases	177	884	227	144	26	955	199	28	
Length of Stay in Area	1.0	1.0	2.7	4.1	2.7	2.8	2.7	3.6	
Party Size	2.9	3.0	3.0	2.8	2.5	2.8	2.5	3.1	

Table C7: Historic Sites- Manassas NBP Spending Profile

Visitor Spending by Lodging Segment in Local Area				Party-Day	Manassas NBP
CATEGORY	L-Day User	NL-Day User	Overnight	VFR	
Motel, hotel cabin or B&B	0.00	0.00	76.23	0.00	
Camping fees	0.00	0.00	0.00	0.00	
Restaurants & bars	4.66	6.84	31.31	11.92	
Groceries, take-out food/drinks	1.32	1.93	8.24	3.37	
Gas & oil	1.06	2.95	8.37	9.66	
Other vehicle expenses	0.05	0.13	1.07	0.43	
Local transportation	0.15	0.41	4.50	1.35	
Admissions & fees	0.76	2.50	6.52	4.61	
Clothing	0.45	1.48	5.68	2.72	
Sporting goods	0.03	0.11	0.69	0.20	
Gambling	0.00	0.00	0.00	0.00	
Souvenirs and other expenses	1.48	4.88	10.10	8.99	
Total	9.94	21.24	152.72	43.25	
Segment Shares					
Number of Cases	72	249	93	28	442
Length of Stay inside the Park	1.0	1.0	1.2	2.6	1.1
Party Size	2.9	3.1	2.9	2.6	3.0
Standard Error of Mean	2.2	1.5	7.0	11.9	
Percent Error	24%	8%	5%	28%	

Reference:

Name: Manassas National Battlefield Park, (MANA)

Location: Manassas, Virginia

Survey Year: 1995

Fee: Entrance fee is \$2.00 per person (under 17 free), good for 3 days.

Region: Visitor spending associated with the trip to Manassas NBP is defined as expenses incurred within 5 miles of the park.

Comments:

- Outliers: group sizes bigger than 10 people, visitors who did not report any spending, or spending over \$300 dollars in each category, were excluded. (n=29)
- Day visitors whose ZIP codes were (20100 to 20199) or (22000 to 22199) were defined as Local Day User.
- The survey asked visitors to report "Day Spending" (spending just for the day they visited the park), instead of total trip spending.
- There are no segment share values due to missing information in the VSP survey.

Table C8: Historic Sites- Pecos NHP Spending Profile

Visitor Spending Profile for Pecos National Historical Park				Party-Night	Pecos NHP
CATEGORY	Day User	Overnight	VFR		
Motel, hotel cabin or B&B	0.00	75.15	0.00		
Camping fees	0.00	0.00	0.00		
Restaurants & bars	6.82	21.43	6.36		
Groceries, take-out food/drinks	1.95	5.70	10.35		
Gas & oil	3.47	8.40	5.48		
Other vehicle expenses	0.15	1.03	0.13		
Local transportation	0.50	4.67	0.39		
Admissions & fees	3.59	6.73	3.99		
Clothing	1.98	5.47	2.99		
Sporting goods	0.00	0.00	0.00		
Gambling	0.00	0.00	0.00		
Souvenirs and other expenses	6.15	9.16	11.02		
Total	24.60	137.75	40.72		
Segment Shares					
Number of Cases	221	61	28	310	
Length of Stay in Area	1.0	3.3	3.6	1.7	
Party Size	2.8	3.3	3.1	2.9	
Standard Error of Mean	1.6	60.2	37.3		
Percent Error	10%	15%	28%		

Reference:

Name: Pecos National Historical Park (PECO)

Location: Pecos, NM

Fee: \$2.00 per person, \$4.00 per car.

Survey Year: 1993

Region: Visitor spending associated with the trip to Pecos NHP is defined as expenses incurred within 20 miles of Pecos area, not including Santa Fe.

Comments:

- Outliers: group sizes bigger than 10 people, length of stay longer than 30 days, and visitors who did not report any expenses in all categories were excluded (n=45).
- In the 1993 visitor survey, 20% of total visitors reported Pecos NHP as their primary destination and 80% reported that it was not their planned destination. However, there is no significant difference in visitor spending between these two segments- primary destination and not a planned destination.
- There are no segment share values due to missing information in the VSP survey.

Table C9: Parks- Big South Fork NRA Spending Profile

Visitor Spending by Lodging Segment in Local Area						Party-Day	BISO
CATEGORY	L-Day User	NL-Day User	Motel	Camp	Backcountry Campers		
Motel, hotel cabin or B&B	0.00	0.00	66.29	0.00	0.00		
Camping fees	0.00	0.00	0.00	15.38	4.96		
Restaurants & bars	3.58	9.64	21.99	4.57	5.14		
Groceries, take-out food/drinks	13.39	8.22	7.72	10.48	3.69		
Gas & oil	7.69	5.70	9.18	4.22	4.49		
Other vehicle expenses	0.00	1.89	0.02	0.34	0.00		
Local transportation	0.00	0.00	0.00	0.00	0.00		
Admissions & fees	1.51	3.94	7.83	4.56	5.12		
Clothing	0.00	0.69	1.81	1.09	0.79		
Sporting goods	0.00	0.77	0.03	1.57	0.49		
Gambling	0.00	0.00	0.00	0.00	0.00		
Souvenirs and other expenses	1.40	6.80	10.90	4.14	4.93		
Total	27.57	37.64	125.76	46.35	29.60		
Segment shares	20.4%	36.7%	15.3%	23.5%	4.1%		
Number of cases	24	155	46	170	26	421	
Length of stay in area	1.0	1.0	1.9	3.2	2.7	2.1	
Party size	2.6	2.6	2.8	3.0	2.5	2.8	

Reference:

Name: Big South Fork National River and Recreation Area (BISO)

Location: Tennessee and Kentucky

Survey Year: 1994

Fee: No admission fee. The campsite fee ranged from \$12 to 18/per night in 1999.

Region: Visitor spending associated with the trip to Big South Fork NRA is defined as expenses incurred within 30 miles of the park.

Comments:

- Outliers: party-day spending higher than \$1000 are excluded (n=3).
- Segment shares are based on the park overnight stay data (i.e., party-days)
- The visitor segment, lodging inside the park ("Charity"), was excluded from the final analysis due to small number of cases (n=13).

Table C10: Parks- Death Valley NP Spending Profile

Table D10. Visitor Spending by Lodging Segment in Local Area						Party-Night	Death Valley NP
CATEGORY	Day User	Motel-In	Camp-In	Motel-Out	Camp-Out		
Motel, hotel cabin or B&B	0.00	105.35	0.00	67.59	0.00		
Camping fees	0.00	0.00	12.62	0.00	7.94		
Restaurants & bars	14.00	44.11	6.24	28.08	4.06		
Groceries, take-out food/drinks	5.96	7.73	9.29	4.92	6.06		
Gas & oil	6.45	15.13	8.65	12.25	9.69		
Other vehicle expenses	0.83	1.94	1.11	1.57	1.24		
Local transportation	0.00	0.00	0.00	0.00	0.00		
Admissions & fees	4.97	3.78	3.21	7.16	2.48		
Clothing	1.58	1.20	1.02	2.27	0.79		
Sporting goods	1.54	1.17	1.00	2.22	0.77		
Gambling	0.00	0.00	0.00	0.00	0.00		
Souvenirs and other expenses	7.89	6.01	5.10	11.37	3.93		
Total	43.21	186.44	48.24	137.45	36.95		
Segment Shares							
Number of Cases	101	116	75	374	32	698	
Length of Stay in Area	1.0	1.3	2.5	2.9	2.7	2.3	
Party Size	3.0	2.5	2.4	2.6	2.5	2.6	
Std. Error of Mean	7.2	11.9	4.1	6.5	8.8		
Percent Error	17%	7%	9%	5%	24%		

Reference:

Name: Death Valley National Park (DEVA)

Location: California and Nevada

Survey Year: 1996

Fee: A \$10.00 Vehicle Entrance Fee is valid for seven days. Campground Fees range from \$10.00 to \$16.00 per night.

Region: Visitor spending associated with the trip to Death Valley National Park is defined as expenses incurred within 4- hour driving distance (approximately 200 miles) of the park.

Comments:

- Outliers: cases with total spending per party-day of more than \$1000, lengths of stay > 30 days or group size > 10 people were omitted (n=38).
- Since only three cases satisfied the definition as local day users, local and nonlocal day users were merged.
- Users who reported zero nights in the area but reported lodging expenses were excluded in the final analysis (n=34).
- The average motel fee inside the park in 1999 ranged from \$45 to \$345 per night per room.
- There are no segment share values due to missing information in the VSP survey.

Table C11: Parks- Great Smoky Mountain NP Spending Profile

Visitor Spending by Lodging Segment in Local Area					Party-Day		GRSM	
CATEGORY	L-Day User	NL-Day User	Motel-In	Camp-In	Backcountry Campers	Motel-Out	Camp-Out	VFR
Motel, hotel cabin or B&B	0.00	0.00	87.38	0.00	3.65	83.16	0.00	0.00
Camping fees	0.00	0.00	0.00	15.77	1.62	0.00	27.84	0.00
Restaurants & bars	6.98	22.79	36.88	12.08	4.41	46.22	18.75	19.37
Groceries, take-out food/drinks	2.39	9.30	6.47	12.35	3.23	7.39	11.12	6.32
Gas & oil	4.16	14.98	15.08	12.26	3.74	10.92	14.85	10.93
Other vehicle expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Local transportation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Admissions & fees	1.03	11.68	14.07	6.70	2.45	15.84	14.80	8.70
Clothing	1.44	2.12	9.53	5.29	0.67	8.47	10.58	4.00
Sporting goods	1.11	1.03	1.11	1.11	1.83	1.11	1.11	1.11
Gambling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Souvenirs and other expenses	4.61	6.13	13.60	4.57	4.72	25.08	31.44	6.71
Total	21.71	68.02	184.12	70.12	26.33	198.18	130.49	57.13
Segment Shares (percent of nights based on 1985 study)	17%	8%	1%	8%	1%	49%	10%	6%
Number of Cases (1985 study)	257	152	51	28		136	768	379
Length of Stay in Area	1.0	1.0	3.6	5.8		3.6	5.6	3.7
Party Size	2.5	2.6	3.0	3.4		3.0	3.2	3.3
Entry Rate	1.3	1.7	3.5	6.7		3.2	4.8	2.4

Reference:

Name: Great Smoky Mountain National Park (GRSM)

Location: Tennessee and North Carolina

Survey year: 1996

Fee: No entrance fee. Camping fees range from \$10.00 to \$15.00 per night.

Region: Visitor spending associated with the trip to GRSM is defined as expenses incurred within 50 miles of the park, including Knoxville, Asheville and other towns.

Comments:

- The visitor spending profile has been adjusted according to the 1985 and 1996 survey results.
- The sample size for "Backcountry Campers" was too small to be reliable. Thus, these values were estimated from a variety of other sources.

Table C12: Spending Profiles Available from the MGM2 Website

PARKS			
Survey Year	PARKNAME	CITY	STATE
1990	Glacier NP	West Glacier	MT
1993	Mammoth Cave NP	Mammoth Cave	KY
1996	Everglades NP	Homestead	FL
1990	Kenai Fjords NP	Seward	AK
1993	Santa Monica Mountains NRA	Thousand Oaks	CA
1991	City of Rocks NRES	Almo	ID
1997	Voyageurs NP	International Falls	MN
1990	White Sands NM	Holloman AFB	NM
1992	Big Bend NP	Big Bend National Park	TX
1997	Bryce Canyon NP	Bryce Canyon	UT
1990	Canyonlands NP	Moab	UT
1997	Virgin Islands NP	St Thomas	VI

HISTORIC SITES			
Survey Year	PARKNAME	CITY	STATE
1994	San Juan Island NHP	Friday Harbor	WA
1994	Edison NHS	West Orange	NJ
1995	Adams NHS	Quincy	MA
1997	Lowell NHP	Lowell	MA
1989	Muir Woods NM	Mill Valley	CA
1989	Lincoln Home NHS	Springfield	IL

Table C13: Segments List for Historic Sites and Parks (segments that we were able to create from VSP surveys and other sources)

HISTORIC SITES							
Name	Segments						
Pecos NHP	Day User	VFR	OVERNIGHT				
San Juan Island NP	Day User	VFR	OVERNIGHT				
Lincoln Home NHS	Day User	VFR	OVERNIGHT				
Edison NHS	Day User	VFR* ¹	OVERNIGHT*				
Lowell NHP	Day User	OVERNIGHT					
Adams NHS	Day User						
Manassas NBP	L-Day User	NL-Day User	VFR	OVERNIGHT			
Muir Wood NM	L-Day User	NL-Day User	OVERNIGHT				
PARKS							
Name	Segments						
Virgin Island NP	Day User	VFR	OVERNIGHT				
Death Valley NP	Day User	Motel-In	Camp-In	Motel-Out	Camp-Out	Multiple Accommodations*	
Big Bend NP	Day User	Motel-In	Camp-In	Motel-Out	Camp-Out	Backcountry Campers*	
Bryce Canyon NP	Day User	Motel	Camp	VFR			
Santa Monica Mountains NRA	Day User	OVERNIGHT*					
Great Smoky Mountain NP	L-Day User	NL-Day User	Motel-In	Camp-In	Motel-Out	Camp-Out	VFR
Everglades NP	L-Day user	NL-Day user	Motel-In	Camp-In	Out-OVERNIGHT		
Mammoth Cave NP	L-Day User	NL-Day User	Motel-In	Camp-In*	Motel-Out	Camp-Out	
Big South Fork NRA	L-Day User	NL-Day User	Motel	Camp	Backcountry Campers		
City of Rocks NR	L-Day User	NL-Day User	Motel*	Camp			
Glacier NP	L-Day User*	NL-Day User	Motel	Camp	Backcountry Campers*		
Kenai Fjords NP	L-Day User	NL-Day User	Motel	Camp-In	Camp-Out	VFR	
Voyageurs NP	L-Day User	NL-Day User	Motel	Camp	VFR		
White Sands NM	L-Day User	NL-Day User	OVERNIGHT	VFR			
Canyonlands NP	L-Day User*	NL-Day User	Motel	Camp	Backcountry Campers*	VFR	

¹ * segments with sample sizes of less than 20 cases; these segments were excluded from the spending profiles for the individual parks due to concerns about data reliability.

Table C14: Default Distributions for Allocating the Four VSP Spending Categories to the 12 MGM2 Categories

VSP Categories	MGM2 Categories	Day User	Motel-In	Camp-In	Backcountry Campers	Motel-Out	Camp-Out	VFR
Lodging ⇒	Motel, hotel cabin or B&B	0%	100%	0%	50%	100%	0%	0%
	Camping fees	0%	0%	100%	50%	0%	100%	0%
Food ⇒	Restaurants & bars	78%	79%	57%	50%	79%	57%	78%
	Groceries, take-out food/drinks	22%	21%	43%	50%	21%	43%	22%
Travel ⇒	Gas & oil	86%	64%	74%	95%	64%	74%	86%
	Other vehicle expenses	3%	7%	10%	5%	7%	10%	3%
	Local Transportation	10%	29%	16%	0%	29%	16%	10%
Other ⇒	Admissions & fees	27%	27%	24%	30%	27%	24%	27%
	Clothing	18%	26%	21%	10%	26%	21%	18%
	Sporting goods	1%	3%	6%	10%	3%	6%	1%
	Gambling	0%	0%	0%	0%	0%	0%	0%
	Souvenirs and other expenses	55%	44%	48%	50%	44%	48%	55%

Source: variety of traveler surveys that have been adjusted to fit the MGM2 framework.