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File:  
Mount Rainier

THE 1985 INDIAN HENRY'S MEADOW  
VISITOR SURVEY

1991

Subagreement No. 4  
Co-op Agreement No. CA-9000-3-0004

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2-20-2003

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## INTRODUCTION

The 1985 Indian Henry's Meadow Visitor Survey was conducted as part of a two-year study to assess the acceptability of an experimental minimum impact (EMI) tent platform in the Meadow area. Until 1973, there was an unorganized campground and a public shelter in Indian Henry's Meadow. By this time, the shelter had deteriorated and bare ground impacts were encroaching into the flower covered areas around the campground. In 1973, virtually all of the backcountry camps in the Park that were in fragile sub-alpine meadows were removed and relocated to durable forest settings. As such, the Devil's Dream trailside camp just south of Indian Henry's Meadow was established in 1973.

Since that time, backcountry campers who wished to camp close to maintained trails in the sub-alpine areas have been required to camp in designated camps, such as Devil's Dream, just off of the meadow area. In addition to trailside camps, backcountry campers were also permitted to camp in crosscountry zones established throughout the Park. This type of dispersed camping allowed the more experienced camper the opportunity to camp far from trails, minimizing impacts. While this policy met with general public support, there were some campers who preferred to camp in the Meadow along the trails.

In 1984, the Park began an experiment to see if such camping opportunities could be made available without the previous damage to the Meadow. An experimental tent platform was erected in Indian Henry's Meadow to provide an opportunity to camp at a designated sub-alpine meadow campsite. The tent platform was a 12' by 8' wood surface, elevated approximately 3' above the ground, and connected to the trail by an elevated metal walkway.

Visitors to the Meadow area during the summer of 1984 were given the opportunity to provide written comments on the back of an on-site brochure describing the EMI tent platform (see Appendix A). In addition to the receipt of these comments and monitoring the physical impacts to the area surrounding the platform, the Park contacted the Cooperative Park Studies Unit (CPSU) at the University of Washington regarding the design of a study to obtain more detailed visitor reactions to the EMI tent platform.

Survey research was selected as the appropriate research tool for this study. The survey instrument used was developed and administered by the CPSU. Data analysis and reporting were also the responsibility of the CPSU.

The primary purpose of the survey was to gather information relative to visitor acceptance of the EMI tent platform. In addition, the survey was designed to gather descriptive information about the Meadow visitor and the Meadow visit.

## SURVEY PROCEDURE

### Survey Instruments

In consultation with Park staff, the research staff of the CPSU developed survey instruments designed to obtain information to satisfy the study objectives. These included an on-site information form and a mail-back questionnaire. After several meetings with the Park staff, draft versions of the instruments were developed and carefully reviewed. A pre-test of these draft versions was conducted involving Park personnel and visitors to the Indian Henry's Meadow area. As a result of the pre-test, final versions of the survey instruments were developed. A description of each follows.

#### On-Site Form

An on-site information form was developed to obtain descriptive visitor information and to provide individual names and addresses of Meadow visitors (see Appendix B). Descriptive information obtained included: (1) residence; (2) group makeup; (3) size of the group; (4) type of use of the area; and (5) age. These items also allow for comparisons between those people returning the questionnaire and those not returning the questionnaire.

### Questionnaire

The mail-back questionnaire included questions in the following areas: (1) basic trip information (e.g., length of stay, previous experience in the Park and Meadow); (2) backcountry camping experience; (3) sources of information used to learn of the EMI tent platform; (4) visitor support for the various camping options available in the Indian Henry's Meadow area; (5) descriptive impressions of the EMI tent platform; (6) suggestions for alternatives and improvements to the EMI tent platform; and (7) gender and education (see Appendix C).

### Data Collection

The data collection period for the Indian Henry's Meadow Visitor Survey was from July 20th to September 20th, a total of nine weeks. The nine weeks were divided into three three-week periods to insure a sampling distribution throughout the summer season. A series of five sampling days were randomly selected for each of the three-week periods, resulting in a total of 15 sampling days (see Appendix D). On a sampling day, all visitors to the Indian Henry's Meadow area were contacted on-site and asked to complete a short information form. In addition, on the days when the researcher was not on-site, the backcountry ranger for the area contacted EMI tent platform campers and had them complete the on-site form.



### Questionnaire Administration

Given the names and addresses provided on the on-site information form, individuals 18 years and older were mailed the survey questionnaire from the CPSU at the University of Washington. A cover letter containing background information was included along with the questionnaire (see Appendix E). Three weeks after the initial mailing, a reminder letter was sent to those individuals who had not returned the questionnaire (see Appendix F). A second reminder letter and duplicate questionnaire were sent three weeks after the first reminder letter to nonrespondents (see Appendix G). Questionnaires were sent to 181 individuals. A total of five individuals were dropped from the sample due to bad addresses or as a result of the individual being an employee or volunteer for Guest Services, Inc., Rainier Mountaineering, Inc., or the National Park Service. These deletions resulted in a total of 176 usable names and addresses. The overall response rate was 84% (148 questionnaires returned out of 176 mailed).

### Nonresponse

A nonresponse bias check was carried out by statistically comparing the responses to the items included on the on-site information form for respondents and nonrespondents. This was done to insure that those individuals returning the questionnaire did not differ significantly from those not returning the questionnaire. The items examined included: residence, group makeup, number of people in group, type of use of the area, and age. Significant differences<sup>1</sup> between the two groups were not found in any of the items examined. With the information available, it is assumed that the respondents are representative of the study population.

### Limitations

The survey has three major limitations. First, all surveys assume that respondents give accurate and honest answers to the questions they are asked. Second, the data represent visitor attitudes and characteristics at a particular point in time (summer season, 1985). And third, the data can be generalized only to the population of visitors hiking in the Indian Henry's Meadow area and their

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<sup>1</sup>The .05 significance level was used and represents the probability that the observed difference between the two groups, concerning a variable, could be due purely to chance. In the present case, a p-value of less than .05 is "significant," in a statistical sense, and allows us to reject the null hypothesis of no relationship between the variables, supporting the existence of an association between the variables of concern. For further discussion of hypothesis testing, the reader is referred to Daniel (1978).

reactions to the EMI tent platform as it was encountered by them. It is not known how other hikers might respond to a tent platform in an alternate situation or to the same platform in an different location in the Indian Henry's Meadow area.

## HOW TO USE THIS REPORT

The tables in this report are all set up in a standard format. Each table is numbered, and has a title that describes the variable(s) for which the data are presented. The responses and the percentages for each response of the variable are presented in the body of the table. This illustrates the frequency of each possible response; the table is called a frequency distribution. Below the frequency distribution, the relevant descriptive statistics are presented. Below the descriptive statistics, additional comments are provided. The numbers of the questions (e.g., Q-1) have been included in the following tables so that they can be easily found in Appendices B and C. The reader may find these appendices useful in interpreting the data in this report.

Table A illustrates the standard format. Occasionally tables may combine data from several questions in order to be more efficient and readable. However, the general format is the same for all the tables..

### Missing Cases

All respondents usually do not answer all questions. They either inadvertently skip a question, or choose not to respond to the question. When a respondent does not answer

Table Number                      Title  
 Table A.                      Gender of visitor - 1985 Indian Henry's Meadow Visitor Survey.

		Percent
Categories of Interest	GENDER	
	Female.....	48%
	Male.....	52%
	Total.....	100%

Distribution among Categories

→ N = 148  
Missing Cases = 0

NOTE: The above information was obtained from responses to Q-16.

Space for Additional Comments

Origin of the Data

a question, he or she is considered a "missing case" for that question. Each time the number of people answering a question (N) is reported (e.g., N = 145), a corresponding footnote will report the number of persons who did not answer the question (e.g., Missing Cases = 3).

Open End Questions

For each question where a visitor could write in a response (an open end question), space was provided two or three comments. Therefore, the number of responses for this type of question will sometimes be greater than the number of visitors answering the question since many visitors gave more than one response (e.g., 40 individuals provided a

total of 51 responses). An example of an open-end question would be Table 21.

INDIVIDUAL VISITOR CHARACTERISTICS

## INDIVIDUAL VISITOR CHARACTERISTICS

This section presents a summary of the data pertaining to individual characteristics of those visiting the Indian Henry's Meadow area during the summer of 1985. Over three-fourths of the visitors were from the state of Washington (78 percent), with seven percent residing in California and five percent from the state of Oregon (Table 1). The remainder of the visitors resided in nine other states and Canada. Fifty-three percent of the visitors were found to reside in the four-county "local" area surrounding the Park (King, Lewis, Pierce, and Yakima counties, Table 1a). When compared to figures for all Park visitors (Salvi and Johnson 1986), it can be seen that a larger percentage of the visitors to the Indian Henry's Meadow area came from the state of Washington (78 percent compared to 58 percent for all Park visitors) and from the surrounding local area (53 percent compared to 39 percent).

The average age of the visitor was 40 years (Table 2). Fifty percent of the visitors were between the ages of 25 and 39, with 13 percent aged 60 and older. (These data should be interpreted relative to the fact that only visitors aged 18 and older were included in the sample.) There was a fairly even distribution of males and females in the sample, with males comprising 52 percent and females 48 percent (Table 3). In terms of education, Table 4 shows that the average years of education completed was 16.



Fifty-nine percent of the visitors had sixteen or more years of education.

Eighty-five percent of the visitors had previously visited Mount Rainier National Park (Table 5). This compares to 63 percent of all Park visitors who had previously visited the Park (Salvi and Johnson 1986). Individuals in the sample had visited Mount Rainier National Park an average of 3.6 times a year over the previous three years (Table 6). This compares to the average of 1.1 trips to the Park per year made by the general Park visitor (Salvi and Johnson 1986).

Over half of the sample had previously visited the Indian Henry's Meadow area (58 percent, Table 7). Of these, seventy-nine percent had visited the area three years or less (Table 8).

Eighty-four percent of the visitors had previously camped in a backcountry area (Table 9). Two-thirds of these individuals had four or more years of backcountry camping experience (65 percent, Table 10). Those with backcountry camping experience had taken an average of four backcountry trips a year during the previous three years (Table 11). When those with backcountry camping experience were asked to rate themselves on a 10-point scale of backcountry camping expertise, ranging from (1) novice/beginner to (10) expert, the average was 6.7 (Table 12).

Table 1. Permanent residence of visitor - by state and country - 1985 Indian Henry's Meadow Visitor Survey.

	Percent
RESIDENCE:	
California.....	7%
Maine.....	1%
Minnesota.....	1%
Missouri.....	1%
New Jersey.....	1%
New York.....	1%
Ohio.....	1%
Oregon.....	5%
Pennsylvania.....	1%
Utah.....	1%
Washington.....	78%
Wisconsin.....	1%
Canada.....	1%
Total.....	100%

N = 148

Missing Cases = 0

NOTE: The above information was obtained from responses provided on the on-site form.

Table 1a. Permanent residence of visitor - by local, non-local status - 1985 Indian Henry's Meadow Visitor Survey.

	Percent
<b>LOCAL, NON-LOCAL RESIDENCE STATUS:</b>	
Local.....	53%
Non-Local.....	47%
Total.....	100%

N = 148

Missing Cases = 0

NOTE: The above information was obtained from responses provided on the on-site form.

"Local Status" includes those individuals who reside in the four-county area surrounding the Park: King, Lewis, Pierce, and Yakima.

Table 2. Age of visitor - 1985 Indian Henry's Meadow  
Visitor Survey.

	Percent
AGE CATEGORY:	
18-19.....	3%
20-24.....	6%
25-29.....	16%
30-34.....	19%
35-39.....	15%
40-44.....	10%
45-49.....	8%
50-54.....	3%
55-59.....	7%
60-64.....	7%
65-69.....	5%
70-74.....	1%
Total.....	100%

N = 145

Missing Cases = 3

Average Age = 39.9

NOTE: The above information was obtained from responses  
provided on the on-site form.

Table 3. Gender of visitor - 1985 Indian Henry's Meadow  
Visitor Survey.

---

	Percent
<hr/>	
GENDER	
Female.....	48%
Male.....	52%
Total.....	100%

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N = 148

Missing Cases = 0

NOTE: The above information was obtained from responses  
to Q-16.

Table 4. Education level of visitor - 1985 Indian Henry's Meadow Visitor Survey.

	Percent
YEARS OF EDUCATION:	
8.....	1%
10.....	1%
11.....	1%
12.....	9%
13.....	10%
14.....	14%
15.....	7%
16.....	22%
17.....	9%
18.....	13%
19.....	6%
20.....	2%
21.....	1%
22.....	3%
23.....	1%
24.....	2%
Total.....	100%

N = 148

Missing Cases = 0

Average Years of Education = 15.9

NOTE: The above information was obtained from responses to Q-17.

Table 5. Previous experience of visitor in Mount Rainier National Park - 1985 Indian Henry's Meadow Visitor Survey.

	Percent
FIRST VISIT TO MT. RAINIER?	
No.....	85%
Yes.....	15%
Total.....	100%

N = 145

Missing Cases = 3

NOTE: The above information was obtained from responses to Q-2a.

Table 6. Number of trips made by visitor to Mount Rainier National Park - 1985 Indian Henry's Meadow Visitor Survey.

	Percent
<b>1983 - NUMBER OF TRIPS:</b>	
None.....	36%
1.....	16%
2.....	15%
3.....	9%
4.....	9%
5.....	5%
6.....	1%
8.....	1%
9.....	1%
10.....	1%
11.....	2%
12.....	1%
13.....	1%
15.....	1%
20.....	1%
30.....	1%
Total.....	100%
<b>1984 - NUMBER OF TRIPS:</b>	
None.....	28%
1.....	16%
2.....	16%
3.....	11%
4.....	7%
5.....	6%
6.....	3%
7.....	1%
8.....	3%
9.....	1%
10.....	1%
11.....	1%
12.....	1%
15.....	1%
16.....	1%
20.....	1%
24.....	1%
30.....	1%
Total.....	100%

(continued)



Table 6 (continued)

	Percent
1985 - NUMBER OF TRIPS:	
1.....	43%
2.....	18%
3.....	15%
4.....	8%
5.....	3%
6.....	3%
7.....	2%
8.....	1%
9.....	1%
10.....	1%
12.....	2%
15.....	1%
20.....	1%
25.....	1%
Total.....	100%

(continued)

Table 6 (continued)

	Percent
TOTAL NUMBER OF TRIPS - 1983 TO 1985:	
1.....	20%
2.....	9%
3.....	9%
4.....	6%
5.....	5%
6.....	4%
7.....	6%
8.....	4%
9.....	5%
10.....	5%
11.....	4%
12.....	4%
13.....	2%
15.....	2%
16.....	1%
17.....	1%
18.....	1%
20.....	1%
21.....	1%
22.....	1%
26.....	1%
27.....	1%
28.....	1%
29.....	1%
32.....	1%
34.....	1%
37.....	1%
38.....	1%
50.....	1%
55.....	1%
66.....	1%
75.....	1%
Total.....	100%

N = 148

Missing Cases = 0

Average Number of Trips:      1983 = 3.3  
    1984 = 3.9  
    1985 = 3.5  
    1983-1985 = 10.7

NOTE: The above information was obtained from responses to Q-2b.

Table 7. Previous experience of visitor in the Indian Henry's Meadow area - 1985 Indian Henry's Meadow Visitor Survey.

	Percent
<b>FIRST VISIT TO INDIAN HENRY'S?</b>	
No.....	42%
Yes.....	58%
Total.....	100%

N = 126

Missing Cases = 2

NOTE: The above information was obtained from responses to Q-3.

Only those individuals who indicated that they had previously visited Mt. Rainier National Park completed this question.

Table 8. Number of years individuals have visited the  
Indian Henry's Meadow area - 1985 Indian Henry's  
Meadow Visitor Survey.

	Percent
NUMBER OF YEARS:	
1-3 Years.....	79%
4-6 Years.....	15%
10 or More Years.....	6%
Total.....	100%

N = 52

Missing Cases = 3

NOTE: The above information was obtained from responses  
to Q-4.

Only those individuals who indicated they had  
previously visited the Indian Henry's Meadow area  
completed this question.

Table 9. Previous backcountry camping experience of  
visitor - 1985 Indian Henry's Meadow Visitor  
Survey.

	Percent
<b>PREVIOUS BACKCOUNTRY CAMPING EXPERIENCE?</b>	
No.....	16%
Yes.....	84%
Total.....	100%

N = 147

Missing Cases = 1

NOTE: The above information was obtained from responses  
to Q-5.

Table 10. Number of years of backcountry camping experience - 1985 Indian Henry's Meadow Visitor Survey.

	Percent
NUMBER OF YEARS:	
1-3 Years.....	35%
4-6 Years.....	23%
7-9 Years.....	13%
10 or More Years.....	29%
Total.....	100%

N = 125

Missing Cases = 0

NOTE: The above information was obtained from responses to Q-6a.

Only those individuals who indicated they had previously camped in a backcountry area completed this question.

Table 11. Average number of backcountry camping trips made per year by visitor during the previous three years - 1985 Indian Henry's Meadow Visitor Survey.

	Percent
<b>AVERAGE NUMBER OF BACKCOUNTRY TRIPS EACH YEAR DURING THE LAST 3 YEARS:</b>	
0.....	6%
1.....	25%
2.....	21%
3.....	15%
4.....	7%
5.....	5%
6.....	3%
7.....	2%
8.....	3%
10.....	6%
12.....	1%
15.....	1%
20.....	1%
30.....	2%
Total.....	100%

N = 123

Missing Cases = 2

Average = 4.2 trips

NOTE: The above information was obtained from responses to Q-6b.

Only those individuals who indicated they had previously camped in a backcountry area completed this question.

Table 12. Self-rated level of backcountry camping expertise - 1985 Indian Henry's Meadow Visitor Survey.

	Percent
<b>BACKCOUNTRY CAMPING EXPERTISE LEVEL:</b>	
Novice/Beginner.....	1%
2.....	3%
3.....	7%
4.....	8%
5.....	13%
6.....	7%
7.....	22%
8.....	14%
9.....	10%
Expert.....	15%
Total.....	100%

N = 125  
 Missing Cases = 0  
 Average Expertise Level = 6.7

NOTE: The above information was obtained from responses to Q-6c.

Individuals rated themselves on a 10-point scale ranging from: (1) Novice/Beginner to (10) Expert.

Only those individuals who indicated they had previously camped in a backcountry area completed this question.



GROUP CHARACTERISTICS

## GROUP CHARACTERISTICS

This section summarizes the data relating to the group characteristics of visitors to the Indian Henry's Meadow area. Thirty-six percent of the visitors travelled in a group comprised of family members (Table 13). This is followed by groups of friends (32 percent) and organized groups (19 percent). When compared to figures for all Park visitors (Salvi and Johnson 1986), it can be seen that there were fewer groups of family members (36 percent compared to 62 percent for all Park visitors) and more groups comprised of friends (32 percent compared to 16 percent). The average group size was 4.3, with forty percent of the visitors travelling in a group of two (Table 14).

Table 13. Group makeup of visitor - 1985 Indian Henry's  
Meadow Visitor Survey.

	Percent
GROUP MAKEUP:	
Family.....	36%
Friends.....	32%
Organized Group.....	19%
Individual.....	7%
Family and Friends.....	7%
Total.....	100%

N = 148

Missing Cases = 0

NOTE: The above information was obtained from responses  
provided on the on-site form.

See Table 13a for a list of the organized groups  
contacted.

Table 13a. List of organized groups - 1985 Indian Henry's Meadow Visitor Survey.

	Percent
ORGANIZED GROUP:	
Happy Hikers.....	46%
East Shore Singles.....	25%
Mercer Island Presbyterian Church.....	11%
Olympia Mountaineers.....	11%
Thurston High School Hiking Club.....	7%
Total.....	100%

N = 28

NOTE: The above information was obtained from responses provided on the on-site form.

Table 14. Number of people in group - 1985 Indian Henry's Meadow Visitor Survey.

	Percent
GROUP SIZE:	
1.....	7%
2.....	40%
3.....	18%
4.....	7%
5.....	5%
6.....	7%
7.....	2%
8.....	5%
16.....	9%
Total.....	100%

N = 147

Missing Cases = 1

Average Group Size = 4.3

NOTE: The above information was obtained from responses provided on the on-site form.

TRIP CHARACTERISTICS

## TRIP CHARACTERISTICS

The following section summarizes information pertaining to the trip during which the visitor was contacted. The most common use of the Indian Henry's Meadow area was for day hiking (sixty-one percent, Table 15). This is followed by those camping at the Devil's Dream Trailside Campground (19 percent), EMI Tent Platform campers (10 percent), and crosscountry zone campers (9 percent). On the average, individuals visiting the Indian Henry's Meadow area spent more time in the Park (2.3 days, Table 16) than the general Park visitor (.8 days, Salvi and Johnson 1986).

Table 15. Description of use of the Meadow area by visitor -  
1985 Indian Henry's Meadow Visitor Survey.

	Percent
USE DESCRIPTION:	
Day Hiker.....	61%
Devil's Dream Trailside Campground Camper.....	19%
Tent Platform Camper.....	10%
Crosscountry Zone Camper.....	9%
Total.....	100%

N = 148

Missing Cases = 0

NOTE: The above information was obtained from responses  
provided on the on-site form.



Table 16. Length of stay in Mt. Rainier National Park -  
1985 Indian Henry's Meadow Visitor Survey.

	Percent
<b>TIME SPENT IN PARK ON THIS VISIT:</b>	
1-6 Hours.....	17%
7-12 Hours.....	28%
13-23 Hours.....	2%
1 Day.....	7%
2 Days.....	14%
3 Days.....	14%
4 Days.....	4%
5 Days +.....	14%
Total.....	100%

N = 148

Missing Cases = 0

Average Length of Stay in Park = 55.2 hours (2.3 days)

NOTE: The above information was obtained from responses  
to Q-1.

EMI TENT PLATFORM INFORMATION

## EMI TENT PLATFORM INFORMATION

The primary objective of this survey was to obtain information relative to visitor acceptance of the EMI tent platform. Toward this end, several questions were included in the questionnaire dealing with specific aspects of visitor perceptions of the tent platform. Ninety-five percent of the visitors were first exposed to the EMI tent platform during the summer of 1985; only five percent had seen the platform the previous summer (Table 17). Thirty-six percent of the visitors first learned of the tent platform through contact with the area backcountry ranger, followed by visual contact with the platform at the site (23 percent, Table 18).

Visitors were asked to state their support for each of seven camping options listed for the Meadow area. Individuals first responded by stating their support for each option on a five-point scale, ranging from (1) "strongly oppose" to (5) "strongly support" (Table 19) and, second, selected their single most preferred camping option from the previous seven (Table 20). The two options that received the greatest amount of support when judged on the basis of percentage of support and a mean or average score, using the five-point scale, were: (1) "Remove the tent platform and allow camping only in the designated trailside campground at Devil's Dream and crosscountry zone camping in the Indian Henry's sub-alpine meadow area" (57 percent

support and a mean of 3.5); and (2) "Remove the tent platform and allow no camping in the Indian Henry's sub-alpine meadow area" (45 percent support and a mean of 3.1).

When visitors were asked to select their single most preferred camping option, these two options were once again selected. Forty percent of the visitors favored removing the EMI tent platform and allowing only trailside and crosscountry zone camping in the Meadow area, while sixteen percent favored removing the tent platform and allowing no camping in the Meadow area. Taken together, over half of the visitors (56 percent) favored the removal of the EMI tent platform from the Indian Henry's Meadow area.

Visitors were also asked, "If you were to camp in the Indian Henry's Meadow sub-alpine area, which form of camping would you choose?" Forty-seven percent preferred crosscountry zone camping, while 31 percent favored camping at the Devil's Dream Trailside Campground, followed by 22 percent favoring camping on the EMI tent platform (Table 23).

Finally, visitors were asked to provide descriptive impressions of the EMI tent platform, using a series of paired-adjective scales (Table 24). The results show that in general visitors perceived the EMI tent platform to be: environmentally beneficial (mean of 5.2 on a seven-point scale), of a good design (4.2), necessary (4.1), and a good idea (4.1). Descriptive scales with low mean scores show that the EMI tent platform was perceived to be unattractive

(2.7) and obtrusive (2.9). For further discussion of paired-adjective or semantic differential measurement, the reader is referred to Osgood et al. (1967).

Table 17. First sighting of the EMI tent platform -  
1985 Indian Henry's Meadow Visitor Survey.

	Percent
WHEN PLATFORM WAS FIRST SEEN:	
This Trip.....	94%
Another Trip in 1985.....	1%
Summer of 1984.....	5%
Total.....	100%

N = 148

Missing Cases = 0

NOTE: The above information was obtained from responses  
to Q-8.

Table 18. Manner in which visitor first learned of the EMI tent platform - 1985 Indian Henry's Meadow Visitor Survey.

	Percent
WHEN VISITOR FIRST LEARNED OF PLATFORM:	
Contact with Park Ranger On-Site.....	36%
On-Site Visual Contact without Additional Information.....	23%
On-Site Interpretive Sign.....	13%
Hikers Information Center - Longmire.....	9%
Surveyor On-Site.....	9%
Informal Contact Outside Park.....	3%
Other Hikers in Park.....	3%
Park Entrance Station.....	3%
On-Site Contact with Additional Information.....	2%
Total.....	100%

N = 146

Missing Cases = 2

NOTE: The above information was obtained from responses to Q-9.

Table 19. Visitor support for camping options in the Indian Henry's Meadow area - 1985 Indian Henry's Meadow Visitor Survey.

	Percent	Mean	N
CAMPING OPTION:			
REMOVE PLATFORM AND ALLOW ONLY TRAILSIDE AND CROSSCOUNTRY CAMPING:			
Strongly Oppose.....	5%		
Oppose.....	21%		
Neutral.....	18%		
Support.....	32%		
Strongly Support.....	25%		
Total.....	100%	3.5	146
REMOVE PLATFORM AND ALLOW NO CAMPING IN THE INDIAN HENRY'S MEADOW AREA:			
Strongly Oppose.....	14%		
Oppose.....	29%		
Neutral.....	13%		
Support.....	23%		
Strongly Support.....	22%		
Total.....	100%	3.1	146
KEEP PLATFORM, BUT IMPROVE:			
Strongly Oppose.....	21%		
Oppose.....	23%		
Neutral.....	18%		
Support.....	29%		
Strongly Support.....	8%		
Total.....	100%	2.8	147
KEEP PLATFORM, BUT MOVE TO A DIFFERENT LOCATION IN THE INDIAN HENRY'S MEADOW AREA:			
Strongly Oppose.....	22%		
Oppose.....	21%		
Neutral.....	29%		
Support.....	21%		
Strongly Support.....	7%		
Total.....	100%	2.7	145

(continued)



Table 19 (continued)

	Percent	Mean	N
KEEP EXISTING PLATFORM:			
Strongly Oppose.....	32%		
Oppose.....	24%		
Neutral.....	15%		
Support.....	20%		
Strongly Support.....	9%		
Total.....	100%	2.5	146
KEEP PLATFORM, BUT MOVE TO A DIFFERENT LOCATION IN THE PARK:			
Strongly Oppose.....	22%		
Oppose.....	30%		
Neutral.....	33%		
Support.....	14%		
Strongly Support.....	1%		
Total.....	100%	2.4	145
KEEP PLATFORM AND ADD MORE:			
Strongly Oppose.....	46%		
Oppose.....	22%		
Neutral.....	10%		
Support.....	14%		
Strongly Support.....	8%		
Total.....	100%	2.2	144

Missing cases ranged from 1 to 4.

NOTE: The above information was obtained from responses to Q-11.

A five-point scale was used for each camping option listed above, ranging from:  
(1) Strongly Oppose to (5) Strongly Support.

Table 20. Most preferred camping option in the Indian Henry's Meadow area - 1985 Visitor Survey.

	Percent
<b>MOST PREFERRED CAMPING OPTION:</b>	
Remove Platform and Allow Only Trailside and Crosscountry Camping.....	40%
Remove Platform and Allow No Camping in the Indian Henry's Meadow Area.....	16%
Keep Platform, but Move to Different Location in the Indian Henry's Meadow Area.....	14%
Keep Platform and Add More Platforms.....	13%
Keep Platform, but Improve.....	12%
Keep Existing Platform.....	4%
Keep Platform, but Move to Different Location in the Park.....	1%
Total.....	100%

N = 146

Missing Cases = 2

NOTE: The above information was obtained from responses to Q-12.

Individuals were asked to select the most preferred camping option, selecting from the seven options listed in Q-11.

Table 21. Visitor suggestions for alternatives to the EMI tent platform - 1985 Indian Henry's Meadow Visitor Survey.

	Percent of Responses
SUGGESTED ALTERNATIVES:	
Move Platform Out of Sight of Trail.....	16%
Develop Alternative Campsite.....	16%
Allow Camping Only in Cover of Trees.....	14%
Remove Platform And Allow No Camping.....	12%
Make Platform Accessible to Tents with Stakes.....	8%
Create High Impact Camping Area.....	8%
Convert to or Add Picnic Platform.....	4%
Allow Only Specific Campsites.....	4%
Educate Public About Low Impact Camping.....	4%
Lower Platform.....	2%
No Sides on Platform.....	2%
Provide Outhouse Adjacent to Site.....	2%
Renovate Existing Structures/Shelters.....	2%
Enforce Camping Regulations.....	2%
Change the Walkway.....	4%
Unclassifiable.....	2%
Total.....	100%

40 individuals provided a total of 51 responses.

NOTE: The above information was obtained from responses to Q-13.

Table 22. Visitor suggestions for improvement of the EMI tent platform - 1985 Indian Henry's Meadow Visitor Survey.

	Percent of Responses
SUGGESTED IMPROVEMENTS:	
Enlarge It.....	18%
Make It Accessible to Tents with Stakes.....	15%
Move It Out of Meadow.....	12%
Renovate to Look More Natural.....	9%
Lower It.....	8%
Remove the Ropes or Change Ropes.....	7%
Remove Metal Ramp.....	4%
Provide Bear Bag Pole.....	3%
Make It More Comfortable.....	3%
Provide Space for Stove on Platform.....	3%
Stronger Railings.....	2%
Space the Boards - Allow Vegetation to Grow.....	2%
Remove It.....	2%
Install Benches.....	2%
Provide Toilets and/or Water.....	2%
Change It to Rest Area - Allow No Camping.....	1%
Stronger Supports.....	1%
Install Windscreen.....	1%
Make Side Trails Off of Main Trail.....	1%
Unclassifiable.....	1%
Total.....	100%

61 individuals provided a total of 89 responses.

NOTE: The above information was obtained from responses to Q-14.

Table 23. Preferred form of camping for next trip to the Indian Henry's Meadow area - 1985 Indian Henry's Meadow Visitor Survey.

	Percent
PREFERRED FORM OF CAMPING IN THE INDIAN HENRY'S MEADOW AREA:	
Crosscountry Zone Camping.....	47%
Designated Trailside Camp at Devil's Dream.....	31%
Camping on EMI Tent Platform.....	22%
Total.....	100%

N = 142

Missing Cases = 6

NOTE: The above information was obtained from responses to Q-15.

Table 24. Paired adjective description of the EMI tent platform - mean scores - 1985 Indian Henry's Meadow Visitor Survey.

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PAIRED ADJECTIVES:

Environmentally Harmful		Environmentally Beneficial
1-----	5.2-----	-----7
Unnecessary		Necessary
1-----	4.1-----	-----7
Bad Idea		Good Idea
1-----	4.1-----	-----7
Bad Location		Good Location
1-----	3.9-----	-----7
Negative		Positive
1-----	3.9-----	-----7
Inappropriate		Appropriate
1-----	3.8-----	-----7
Obtrusive		Unobtrusive
1-----	2.9-----	-----7
Unattractive		Attractive
1-----	2.7-----	-----7

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N ranged from 145 to 147.  
Missing cases ranged from 1 to 3.

NOTE: The above information was obtained from responses to Q-10.

A seven-point scale was used. Each of the paired-adjectives listed above were the anchor points of the scale. The first adjective listed in the pair represents point 1 and the second adjective listed represents point 7.

For further discussion of this paired adjective or semantic differential approach, the reader is referred to Osgood et al. (1967).

## REFERENCES CITED

- Daniel, Wayne W. 1978. Applied Nonparametric Statistics. Boston: Houghton Mifflin Company.
- Osgood, C. E., G. J. Suci, and P.H. Tannenbaum. 1967. The Measurement of Meaning. Urbana: University of Illinois Press.
- Salvi, W. and D. J. Johnson. 1986. The 1985 Mount Rainier General Visitor Survey: Statistical Abstract. Cooperative Park Studies Unit, University of Washington.

APPENDIX A  
NPS INDIAN HENRY'S EMI BROCHURE



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE  
MOUNT RAINIER NATIONAL PARK  
TAHOMA WOODS, STAR ROUTE  
ASHFORD, WASHINGTON 98304

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID  
U. S. DEPARTMENT OF THE INTERIOR  
INT-417

MOUNT RAINIER NATIONAL PARK  
ATTENTION: IHMICS  
TAHOMA WOODS, STAR ROUTE  
ASHFORD, WASHINGTON 98304

# MOUNT RAINIER

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## INDIAN HENRY'S

## EXPERIMENTAL MINIMUM IMPACT CAMPSITE

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Indian Henry's Hunting Ground is one of the most accessible, popular, scenic, and fragile areas in Mount Rainier's backcountry. Heavy use in the past caused extensive damage to the area's delicate meadows. Through intensive revegetation and erosion control by the National Park Service, and the cooperation of backcountry campers and hikers, Indian Henry's is returning to its beautiful, natural state.

The experimental Minimum Impact Camping Site at Indian Henry's introduces a different camping experience to this fragile place. The structure and its accompanying walkway is designed to keep all the normal camping impacts (tent site construction, pathways, cooking areas, sleeping and lounging) off the fragile vegetation. When the platform is taken down or moved, only the marks left by its supports should remain.

We ask your cooperation in following a few simple guidelines.

1. Obtain a backcountry permit for all backcountry camping.
2. Camping at this site is limited to one night only from July 1 to September 1. The site is allocated on a first-come, first-served basis.
3. To minimize impacts, camp on the platform only.
4. As no provision is made for tent pegs, self supporting tents are recommended.

5. Use stoves only on the metal cooking corners.
6. Pack out all your trash and litter.
7. To minimize your impacts in the general area, use established trails to water and restrooms.
8. Some paths have been closed to allow recovery and revegetation. Walk on obviously maintained trails.

Through minimizing our individual impacts, backcountry areas will remain as inspiring and beautiful in the future, as they are now. We hope the Indian Henry's Minimum Impact Campsite will contribute to lowering those impacts, and that you will find this unusual platform camping experience enjoyable.



glacier Lily



Bear Grass

Your comments are important in evaluating this project. Please use the detachable right-hand portion of this brochure to submit your comments. This completed section may then be turned in to any Park Ranger or simply dropped into a mailbox. (Please note that the reverse side of the comment section is already addressed and stamped.)

# INDIAN HENRY'S MEADOW VISITOR SURVEY



Cooperative Park Studies Unit  
College of Forest Resources  
University of Washington  
Seattle, WA 98195



# United States Department of the Interior

## NATIONAL PARK SERVICE MOUNT RAINIER NATIONAL PARK

Tahoma Woods, Star Route  
Ashford, Washington 98304

IN REPLY REFER TO:

Dear Park Visitor:

Many people visit Mount Rainier National Park each year. You come from many different places and engage in a variety of recreational activities while in the park. To better serve you and other visitors, more information about recreational use of the park and visitor attitudes concerning the adequacy of existing facilities and services is helpful to me as part of the management decision process. To this end, I have asked the Cooperative Park Studies Unit at the University of Washington to conduct a survey of park visitors using the experimental Minimum Impact Site at Indian Henrys.

You have been selected as part of a sample of park visitors to participate in the survey. In order that the results are truly representative of all park visitors, it is important that you take the time to complete the enclosed questionnaire. When you have finished, please place the questionnaire in the stamped, self-addressed return envelope and drop it in the mail.

Your responses will remain confidential. An identification number is included on the questionnaire so we may check your name off of the mailing list once the questionnaire is returned. Your name will not be placed on the questionnaire.

The results of this research will be completed and made available as quickly as possible. If you would like a summary of the results, please check the appropriate box at the end of the questionnaire.

We greatly appreciate your cooperation in this study. I hope that you have enjoyed your visit to Mount Rainier National Park.

Sincerely,

Neal G. Guse  
Superintendent

The questions below pertain only to the visit to Mt. Rainier National Park during which you were contacted by a survey person.

- Q-1. How long were you inside the park on this trip? (Please specify the number of complete days and hours. If a fraction of a 24-hour day was spent inside the Park, please specify the number of hours.)

\_\_\_\_\_ DAYS          \_\_\_\_\_ HOURS

- Q-2a. Was this your first visit to Mt. Rainier National Park? (Circle one number)

- 1 NO (Go to next question)  
2 YES → (Go to Q-5)

- b. In the last three years (including 1985 to-date), how many trips have you made, at any time of the year, to Mt. Rainier National Park? (Please specify number for each year. If none, write in 0.)

1985          1984          1983  
NUMBER OF TRIPS:    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_

- Q-3. Was this your first visit to the Indian Henry's sub-alpine meadow area? (Please circle one number)

- 1 NO (Go to next question)  
2 YES → (Go to Q-5)

- Q-4. If you answered NO to Q-3, how many separate years (including this year) have you visited the Indian Henry's sub-alpine meadow area? (Please circle one number)

- 1 ONE TO THREE YEARS  
2 FOUR TO SIX YEARS  
3 SEVEN TO NINE YEARS  
4 TEN OR MORE YEARS

- Q-5. Have you ever camped in any backcountry area (including Mt. Rainier) before this visit to Mt. Rainier? (Please circle one number)

- 1 NO → (Go to Q-7)  
2 YES → (Go to next question)

Q-6a. If you answered YES to Q-5, how many separate years (including this year) have you camped in any backcountry area? *(Please circle one number)*

- 1 ONE TO THREE YEARS
- 2 FOUR TO SIX YEARS
- 3 SEVEN TO NINE YEARS
- 4 TEN OR MORE YEARS

b. If you answered YES to Q-5, for the past three years what is the average number of overnight backcountry trips that you have taken each year? *(Please be specific, rounding to a whole number)*

\_\_\_\_\_ TRIPS PER YEAR

c. If you answered YES to Q-5, how would you rate yourself in terms of level of expertise in backcountry camping? *(Please circle one number)*

1	2	3	4	5	6	7	8	9	10
NOVICE/ BEGINNER								EXPERT	

Q-7. Did you see or were you aware of the Experimental Minimum Impact (EMI) tent platform at Indian Henry's Meadow? *(Please circle one number)*

- 1 YES, I SAW THE EMI TENT PLATFORM
- 2 YES, I WAS AWARE OF, BUT DID NOT SEE THE EMI TENT PLATFORM
- 3 NO, I NEITHER SAW NOR WAS AWARE OF THE EMI TENT PLATFORM → *(Go to Q-16 on page 7)*

Q-8. When did you first encounter the Experimental Minimum Impact (EMI) tent platform at Indian Henry's Meadow? *(Circle one number)*

- 1 THIS TRIP
- 2 ANOTHER TRIP IN 1985
- 3 SUMMER OF 1984

Q-9. Where did you first learn of the Indian Henry's EMI tent platform? *(Circle one number)*

- 1 ON-SITE VISUAL CONTACT WITHOUT ADDITIONAL INFORMATION
- 2 ON-SITE INTERPRETIVE SIGN
- 3 CONTACT WITH PARK RANGER ON-SITE
- 4 HIKERS INFORMATION CENTER - LONGMIRE
- 5 INFORMAL CONTACT OUTSIDE PARK
- 6 OTHER HIKERS IN PARK
- 7 PARK ENTRANCE STATION
- 8 OTHER: \_\_\_\_\_

*(Please specify)*



Q-10. How would you best describe your impression of the Indian Henry's FMI tent platform based on the following descriptive scales? (Please place an 'X' in the appropriate space for each of the scales)

positive \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ negative

appropriate \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ inappropriate

attractive \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ unattractive

environmentally \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ environmentally  
beneficial harmful

good location \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ bad location

unobtrusive \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ obtrusive

good design \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ bad design

necessary \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ unnecessary

good idea \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ bad idea



Q-11. How do you feel about the following options for camping in the Indian Henry's sub-alpine meadow area? (Circle one word for each camping option)

<i>Options</i>	STRONGLY OPPOSE	OPPOSE	NEUTRAL	SUPPORT	STRONGLY SUPPORT
	↓	↓	↓	↓	↓
1 Remove the tent platform and allow no camping anywhere in the Indian Henry's sub-alpine meadow area	STRONGLY OPPOSE	OPPOSE	NEUTRAL	SUPPORT	STRONGLY SUPPORT
2 Remove the tent platform and allow camping only in the designated trailside campground at Devil's Dream and cross-country zone camping in the Indian Henry's sub-alpine meadow area (campsite out of sight and sound of the trail and 100 feet from water)	STRONGLY OPPOSE	OPPOSE	NEUTRAL	SUPPORT	STRONGLY SUPPORT
3 Continue with, but improve, existing tent platform	STRONGLY OPPOSE	OPPOSE	NEUTRAL	SUPPORT	STRONGLY SUPPORT
4 Continue with the tent platform, but move to a different location in the Indian Henry's sub-alpine meadow area	STRONGLY OPPOSE	OPPOSE	NEUTRAL	SUPPORT	STRONGLY SUPPORT
5 Continue with the tent platform, but move to a different location in the Park, outside of the Indian Henry's sub-alpine meadow area	STRONGLY OPPOSE	OPPOSE	NEUTRAL	SUPPORT	STRONGLY SUPPORT
6 Continue with the existing tent platform	STRONGLY OPPOSE	OPPOSE	NEUTRAL	SUPPORT	STRONGLY SUPPORT
7 Continue with the existing tent platform and add more platforms	STRONGLY OPPOSE	OPPOSE	NEUTRAL	SUPPORT	STRONGLY SUPPORT

Q-12. Which of the seven camping options LISTED ABOVE in Q-11 would you most prefer for the Indian Henry's Meadow area? (Enter a number from 1-7 in the blank below)

\_\_\_\_\_ MOST PREFERRED OPTION

Q-13. Do you have any suggestions for alternatives to the EMI tent platform? (Circle one number)

1 NO

2 YES → (Please specify): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Q-14. Do you have any suggestions for the improvement of the existing EMI tent platform? (Circle one number)

1 NO

2 YES → (Please specify): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Q-15. If you were to camp in the Indian Henry's sub-alpine meadow area, which form of camping would you choose? (Circle one number)

- 1 CAMPING IN THE DESIGNATED TRAILSIDE CAMPSITE AT DEVIL'S DREAM
- 2 CROSS-COUNTRY ZONE CAMPING
- 3 CAMPING ON THE EMI TENT PLATFORM

Finally, we would like to ask a few questions about yourself. The information provided will be used for statistical purposes only.

Q-16. Are you? (Circle one number)

- 1 FEMALE
- 2 MALE

Q-17. What is the highest year of formal schooling you have completed? (Please circle the number of the highest year completed)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24+
(Elementary thru High School)												(College/ Vocational Training)				(Graduate/ Professional School)							

Q-18. This summer, were you working at Mt. Rainier National Park for the National Park Service (including volunteer work), for Guest Services, Inc., or for Rainier Mountaineering, Inc.? (Circle one number)

- 1 NO
- 2 YES, I WORKED FOR THE NPS
- 3 YES, I VOLUNTEERED FOR THE NPS
- 4 YES, I WORKED FOR GSI
- 5 YES, I WORKED FOR RMI

Is there anything else you would like to add about your visit to Indian Henry's Meadow or are there any other comments that you would like to make? Please use this space for these comments.

*If you would like to receive a summary of the results of this questionnaire, please check here.*

---

Thank you for your time and effort. Your contribution to this effort is greatly appreciated.



APPENDIX B  
1985 INDIAN HENRY'S ON-SITE FORM

I.D. No. \_\_\_\_\_

OMB 10-24-0036

INDIAN HENRY'S MEADOW VISITOR SURVEY

1. Name \_\_\_\_\_

Permanent Address \_\_\_\_\_

City \_\_\_\_\_ State/Country \_\_\_\_\_ Zip Code \_\_\_\_\_

2. Today's Date \_\_\_\_\_  
(month-day-year)

3. What is the makeup of the group that you are traveling with at this time? *(Please circle one number)*

1 INDIVIDUAL

2 FAMILY

3 FRIENDS

4 FAMILY AND FRIENDS

5 ORGANIZED GROUP → Name of Group: \_\_\_\_\_  
*(Please specify)*

6 OTHER: \_\_\_\_\_  
*(Please specify)*

4. How many people are in your present group?

NUMBER OF PEOPLE: \_\_\_\_\_

5. How would you best describe your present use of the Indian Henry's area? *(Please circle one)*

1 OVERNIGHT BACKCOUNTRY CAMPER ON TENT PLATFORM

2 OVERNIGHT BACKCOUNTRY CAMPER IN A DESIGNATED TRAILSIDE CAMPGROUND

3 OVERNIGHT BACKCOUNTRY CAMPER IN A CROSSCOUNTRY AREA

4 DAY TRAIL HIKER

6. What is your age?

\_\_\_\_\_ YEARS

APPENDIX C  
1985 INDIAN HENRY'S QUESTIONNAIRE

APPENDIX D  
SAMPLING DAY DISTRIBUTION



## 1985 INDIAN HENRY'S MEADOW VISITOR SURVEY

## SAMPLING DAY DISTRIBUTION

<u>Sampling Dates</u>	<u>Number of Visitors Contacted</u>
8/8 - 8/12	79
8/25 - 8/29	56
<u>9/10 - 9/14</u>	<u>27</u>
15 Days	162

Dates on which Park Ranger contacted EMI tent platform campers:

<u>Date</u>	<u>Number Contacted</u>
7/20	3
8/3	2
8/14	1
8/15	1
8/17	2
8/18	1
8/22	2
<u>8/24</u>	<u>2</u>
	14

TOTAL NUMBER OF INDIVIDUALS CONTACTED: 176

APPENDIX E  
COVER LETTER SENT WITH QUESTIONNAIRE

UNIVERSITY OF WASHINGTON  
SEATTLE, WASHINGTON 98195

*College of Forest Resources, AR-10  
U.S. National Park Service  
Cooperative Park Studies Unit*

Dear Mount Rainier National Park Visitor:

You were recently contacted at the Indian Henry's meadow area regarding a survey of visitors. This survey is being conducted to provide information to Park managers regarding the Experimental Minimum Impact (EMI) tent platform on the sub-alpine meadow. As part of this project, would you please complete the enclosed questionnaire at your earliest convenience?

Some background information may be helpful in your consideration of the survey questions. Until 1973, there was an unorganized campground and a public shelter in Indian Henry's meadow. By this time, the shelter had deteriorated and bare ground impacts were encroaching into the flower covered areas around the campground. In 1973, virtually all of the back-country camps in the Park that were in fragile sub-alpine meadows were removed and relocated to durable forest settings. As such, the Devil's Dream camp just south of Indian Henry's meadow was established in 1973.

Since then, backcountry campers who wish to stay on maintained trails have been required to camp in designated camps, such as Devil's Dream. Camping is also permitted in the cross-country zones, far from trails, where such dispersed camping does not lead to impacts. While this policy has met with general public support, there are some campers who would prefer to camp in the meadow along the trails. In 1984, the Park began an experiment to see if such camping opportunities could be made available without the previous damage to the meadows. A tent platform was erected in the Indian Henry's meadow area, on an experimental basis, to provide an opportunity to camp at a designated sub-alpine meadow campsite. In addition to monitoring the physical impacts to the area surrounding the platform, the Park has asked the University of Washington, Cooperative Park Studies Unit to conduct a survey in order to obtain visitor impressions of the experimental tent platform.

Because only a few visitors have been contacted, each person's participation is important. When you have completed the questionnaire, place it in the enclosed self-addressed envelope and drop it in any mailbox. Thank you for your cooperation.

Sincerely,



Darryll R. Johnson  
Project Leader  
Social Science Program

APPENDIX F  
FIRST REMINDER LETTER

UNIVERSITY OF WASHINGTON  
SEATTLE, WASHINGTON 98195

*College of Forest Resources, AR-10  
U.S. National Park Service  
Cooperative Park Studies Unit*

Dear Mt. Rainier Visitor:

A questionnaire seeking an evaluation of your visit to Mt. Rainier National Park was recently mailed to you.

If you have already completed the questionnaire and returned it, please accept our sincere thanks. If not, please do so today. Because it has been sent to a small sample of visitors, it is important that your questionnaire be included in the survey.

If you find that you need another questionnaire, please contact me and I will send another one to you.

Sincerely,



Darryll R. Johnson  
Project Leader  
Social Science Program

APPENDIX G  
SECOND REMINDER LETTER

UNIVERSITY OF WASHINGTON  
SEATTLE, WASHINGTON 98195

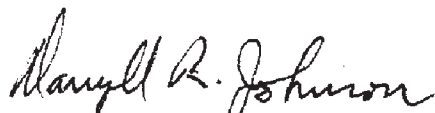
*U.S. National Park Service  
Cooperative Park Studies Unit  
College of Forest Resources*

Dear Mt. Rainier Visitor:

If you have completed the Mount Rainier National Park Visitor's questionnaire please accept our sincere thanks. However, if you have not completed your questionnaire, there is still time to get it in the study results. For your convenience another copy is enclosed.

I want to convey again the importance that each questionnaire has to the usefulness of this survey. The questionnaire was given to only a sample of visitors. In order for the results to accurately represent the opinions of visitors to Mt. Rainier, it is important that all questionnaires are returned. Thank you again for your cooperation.

Sincerely,



Darryll R. Johnson  
Project Leader  
Social Science Program