

U.S. Department of Interior  
BUREAU OF LAND MANAGEMENT  
Wyoming State Office, Lander Field Office

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## BLM Wyoming National Historic Trails Visitor Survey

*Mormon Pioneer National Historic Trail*  
*Pony Express National Historic Trail*  
*California National Historic Trail*  
*Oregon National Historic Trail*



Final Technical Report  
June 2007

Dave D. White, Megha Budruk, and Randy J. Virden  
Principal Investigators

Lynne Langelo, Caryn Masterson, Jill Wodrich, Chelsea McKinney, and Carena J. van Riper  
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## **Introduction**

The BLM Wyoming National Historic Trails Visitor Survey Final Technical Report presents findings from a cooperative social science research project designed to inform planning, management, and stewardship. BLM staff cooperated with researchers from the Arizona State University (ASU) School of Community Resources & Development. The project was supported by BLM Wyoming Office, BLM Lander Field and Rock Springs Field Offices, BLM Washington Office, and BLM National Landscape Conservation System. The Colorado Plateau Cooperative Ecosystem Studies Unit (CPCESU) facilitated the project through Assistance Agreement No. JSA041006, Task Order 1, as modified.

The data were collected to improve the information, services, and products that BLM provides. BLM managers use visitor survey data for planning and management of natural and cultural resources, for designing interpretive and educational exhibits and programs, planning for visitor amenities such as visitor centers, trails, and campgrounds. In conducting their planning, management, and monitoring services, managers use visitor survey data to allocate effectively their limited personnel and financial resources to the highest priority elements.

## **Research Team**

The research team was led by Principal Investigators Dave White, Megha Budruk, and Randy Virden from the ASU School of Community Resources and Development. Research assistants included Lynne Langello, Caryn Masterson, Jill Wodrich, Chelsea McKinney, and Carena J. van Riper

## **Acknowledgements**

Special thanks to Tony Mayfield, BLM Washington Office, Andy Tenney, BLM Wyoming Office, and Maria Goochis, BLM Utah State Office. We are extremely grateful to the Wyoming National Historic Trail visitors who participated in the study.

## **Survey Methods**

Data were collected summer 2006 from current adult visitors to Wyoming National Historic Trails through on-site self-administered survey questionnaire (see Appendix I). The on-site visitor survey generated data about visitor characteristics, trip/visit characteristics, visitors' perceptions of their park experiences, and visitors' evaluations of park facilities, programs, and services.

The surveys were administered by ASU and BLM staff. During the sample periods, each group encountered was approached, and a visitor was asked to complete the questionnaire. Individual respondents were selected at random by asking for the member of the group who was 18 years or older who has

had the most recent birthday. If the visitor refused, the survey administrator completed the on-site log for the contact, noting reason for refusal if offered. Visitors who accepted were provided the on-site survey to complete and the survey administrator was available to answer questions. The survey administrator collected the completed questionnaire and assured the respondent that the information provided will be kept completely confidential.

On-site sampling occurred at three locations along a 20-mile stretch of National Historic Trails near the BLM Lander Field Office. Visitors were contacted at two comfort stations along the trail and at the Sage Camp Ground. At each of these locations, trail users over the age of 16 were approached and asked to take the survey. Surveyors obtained a total of 177 survey questionnaires. Completed and usable questionnaires were coded and entered into a database and analyzed using Statistical Package for Social Sciences (SPSS) Version 14.0.

While the use of standardized questionnaires and probability sampling makes surveys especially well suited to describing the characteristics of a large population, survey research also has several limitations that should be noted and taken into account when interpreting the results. First, this study utilized a self-administered questionnaire and thus it is not possible to know if visitor responses reflect actual behavior. By administering the survey on-site during the actual park visit, this limitation is hopefully reduced. Second, although the sampling plan is designed to provide a reliable estimate of the visitor population, the study results are truly representative only of the visitors during the sample periods and do not necessarily apply to visitors during other times of the year. Thus, the findings should be considered a “snapshot” in time.

## Executive Summary of Findings

- The average age of visitors was 34.42 years. Visitors were fairly well educated, 71.1 percent had attained a high school diploma or higher level of education. The majority of respondents identified themselves as White.
- Over half of the visitors indicated that they visited the Mormon Pioneer NHT, and that the Mormon Pioneer NHT was their primary trail of use.
- The major attractions of this area to visitors are its outstanding historical/cultural qualities and features.
- About two thirds of visitors reported recreating in groups of 15 people or more; children (age 16 or less) are included in 58.2 percent of the groups that visit the area.
- The majority of visitors (92.7%) were traveling with an organized group. Of those visitors that traveled with an organized group, 91.5% were traveling with a church group. Just over half of the visitors stayed overnight in the area; the average length of stay for these overnight visitors was 3.37 nights. Day users visited the area for an average of 9.33 hours.
- The most popular activities at the Wyoming National Historic Trails are handcart trekking, visiting historical/cultural sites, and taking photographs.
- Overall, visitors were very satisfied or satisfied with their visit to the Wyoming National Historic Trails.
- The most important motives are to develop personal, spiritual values, to reflect on personal religious values, and to gain an experience to can look back on.
- Visitors report being most satisfied with the hiking trails.
- Results show that visitors felt a strong place attachment to the Wyoming Historic Trails.
- Visitors identified erosion of the historical trails as having the most significant ecological and social impacts.
- Just over half of the visitors indicate that the current level of management of the Trails is appropriate.
- The most import benefits perceived by visitors are greater spiritual growth, opportunities for youth, and appreciation of cultural histories.

## Detailed Findings

This section of the report presents the detailed frequency distributions for the survey items; that is, the number and percentage of respondents for each response category for each survey question. Tables present the frequency and valid percentages for each variable. The valid percentage is the percentage excluding missing values. Missing values occur when respondents do not answer all questions on the survey or when responses are unclear. This section also presents descriptive statistics including mean (average) and standard deviation for selected variables. For ease of interpretation, the report also includes figures for selected individual questions.

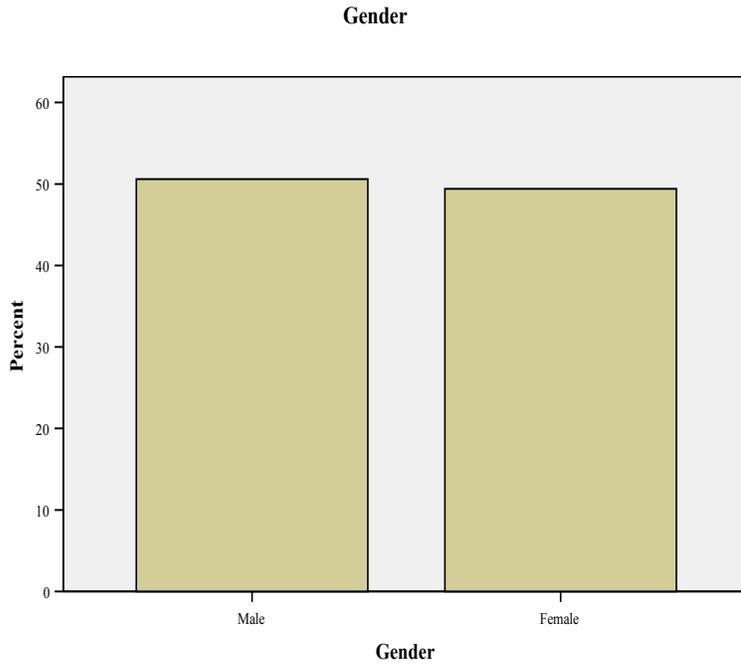
## Respondent Demographics

Survey respondents included slightly more men than women with a mean age of 34.42. Respondents were educated; 71.1% had attained a high school diploma or higher level of education.

For visitors, 4% identified themselves as of Hispanic origin. Regarding ethnic identification, 61.6% of visitors identified themselves as White, 27.7% identified themselves as Native American or other Pacific Islander, 1.7% identified themselves as Asian, .6% identified themselves as Black or African American, and .6% identified themselves as American Indian and Alaska Native.

### Gender

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	86	48.6	50.6	50.6
	Female	84	47.5	49.4	100.0
	Total	170	96.0	100.0	
Missing	9.00	7	4.0		
Total		177	100.0		



**Descriptive Statistics**

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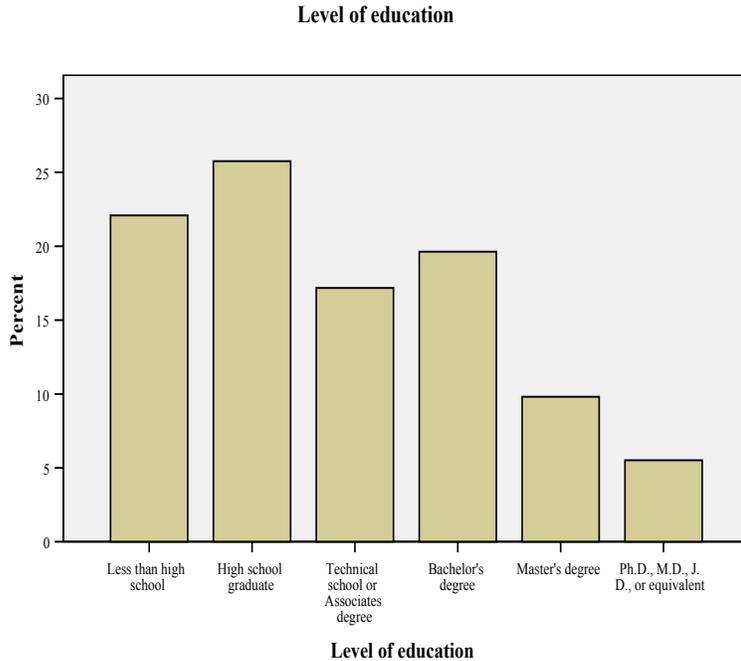
	N	Minimum	Maximum	Mean	Std. Deviation
Age	162	16	72	34.42	14.939
Valid N (listwise)	162				

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**Level of education**

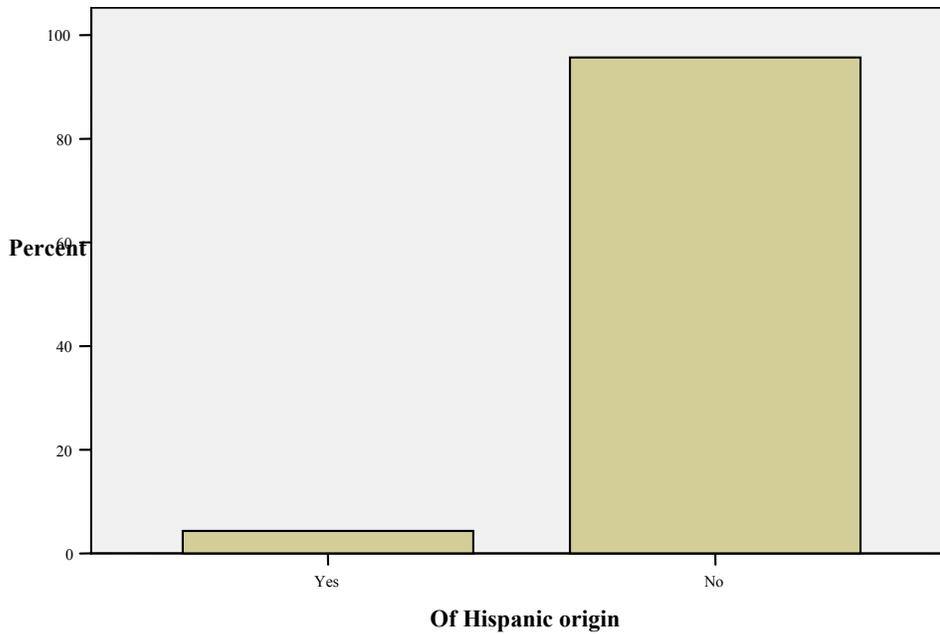
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Less than high school	36	20.3	22.1	22.1
	High school graduate	42	23.7	25.8	47.9
	Technical school or Associates degree	28	15.8	17.2	65.0
	Bachelor's degree	32	18.1	19.6	84.7
	Master's degree	16	9.0	9.8	94.5
	Ph.D., M.D., J.D., or equivalent	9	5.1	5.5	100.0
	Total	163	92.1	100.0	
Missing	9.00	13	7.3		
	System	1	.6		
	Total	14	7.9		
<b>Total</b>		<b>177</b>	<b>100.0</b>		



**Of Hispanic origin**

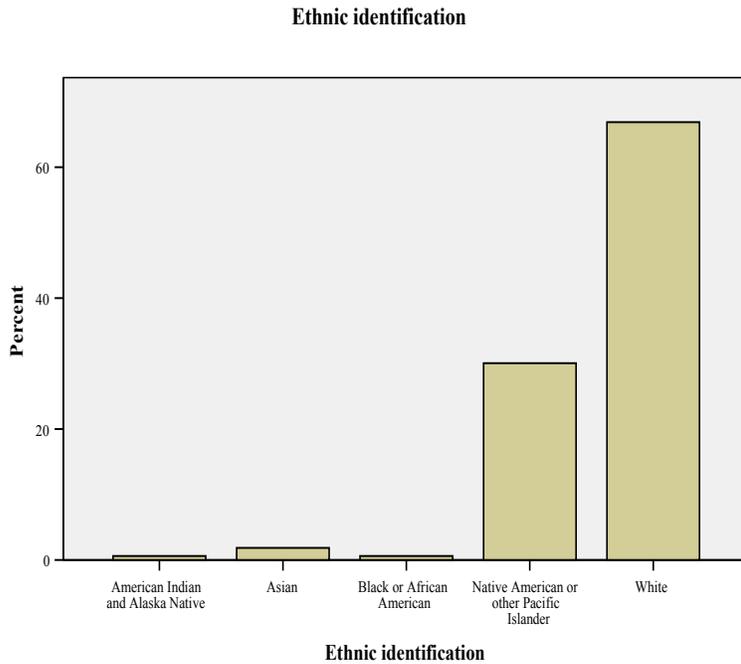
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	7	4.0	4.3	4.3
	No	155	87.6	95.7	100.0
	Total	162	91.5	100.0	
Missing	9.00	14	7.9		
	System	1	.6		
	Total	15	8.5		
<b>Total</b>		<b>177</b>	<b>100.0</b>		

**Of Hispanic origin**



**Ethnic identification**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	American Indian and Alaska Native	1	.6	.6	.6
	Asian	3	1.7	1.8	2.5
	Black or African American	1	.6	.6	3.1
	Native American or other Pacific Islander	49	27.7	30.1	33.1
	White	109	61.6	66.9	100.0
	Total	163	92.1	100.0	
Missing	System	14	7.9		
Total		177	100.0		



## **Trip/Visit Characteristics**

The majority of respondents, 58.2%, visited the Mormon Pioneer NHT. The Mormon Pioneer NHT was also respondents' primary use trail. For respondents, 83.6% were attracted to the area because of its outstanding historical/cultural qualities and features.

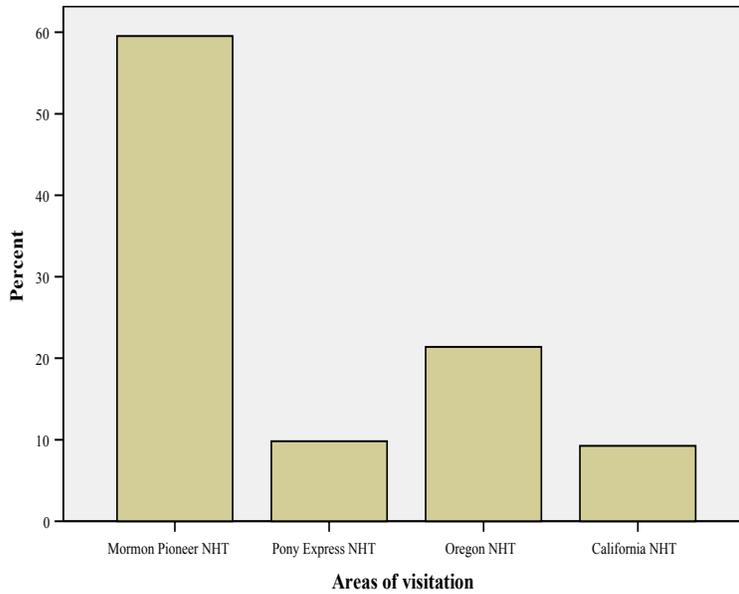
Regarding visitor groups, 67.2% were traveling in groups of more than 15 people with 58.2% traveling with more than 6 children under 16. The majority of visitors, 92.7%, were traveling with an organized group, with 91.5% traveling with a church group.

The majority of visitors had visited the Wyoming National Historic Trails for an average of 1.97 years, with an average of 1.15 visits in the past year. Just over half of the visitors stayed overnight, and these visitors stayed for an average of 3.37 nights. Only 4.5% of visitors were day use only and stayed for an average length of 9.33 hours.

**Areas of visitation**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid				
Mormon Pioneer NHT	103	58.2	59.5	59.5
Pony Express NHT	17	9.6	9.8	69.4
Oregon NHT	37	20.9	21.4	90.8
California NHT	16	9.0	9.2	100.0
Total	173	97.7	100.0	
Missing System	4	2.3		
Total	177	100.0		

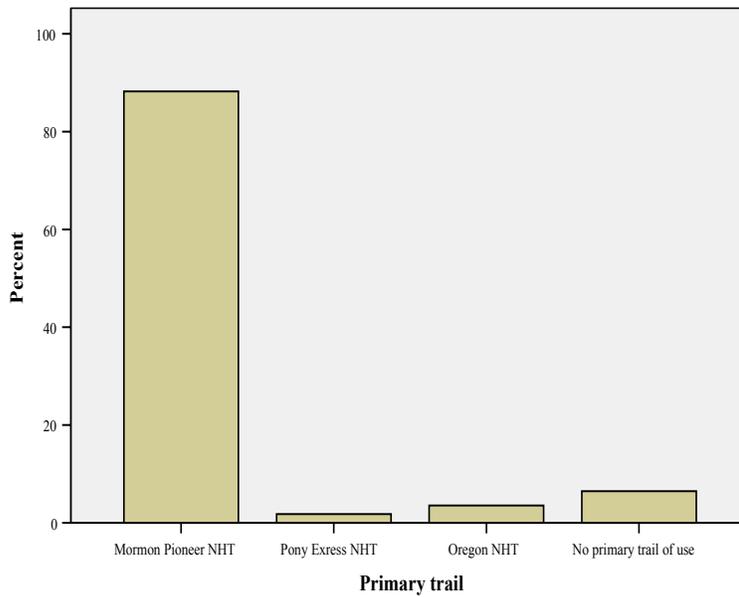
Areas of visitation



**Primary trail**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Mormon Pioneer NHT	150	84.7	88.2	88.2
	Pony Express NHT	3	1.7	1.8	90.0
	Oregon NHT	6	3.4	3.5	93.5
	No primary trail of use	11	6.2	6.5	100.0
	Total	170	96.0	100.0	
Missing	9.00	7	4.0		
Total		177	100.0		

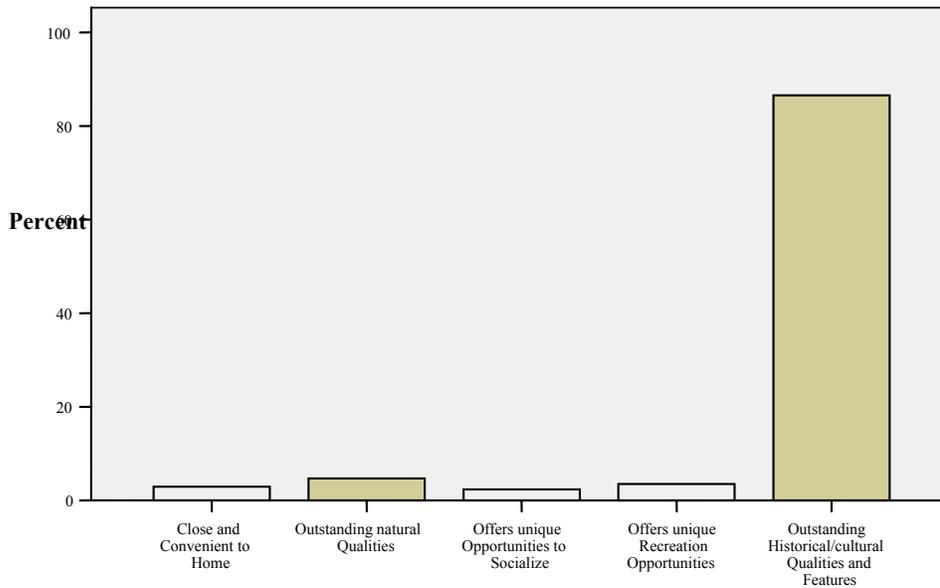
**Primary trail**



**Attraction to WY NHT**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Close and convenient to home	5	2.8	2.9	2.9
	Outstanding natural qualities	8	4.5	4.7	7.6
	Offers unique opportunities to socialize	4	2.3	2.3	9.9
	Offers unique recreation opportunities	6	3.4	3.5	13.5
	Outstanding historical/cultural qualities and features	148	83.6	86.5	100.0
	Total	171	96.6	100.0	
Missing	System	6	3.4		
Total		177	100.0		

**Attraction to WY NHT**

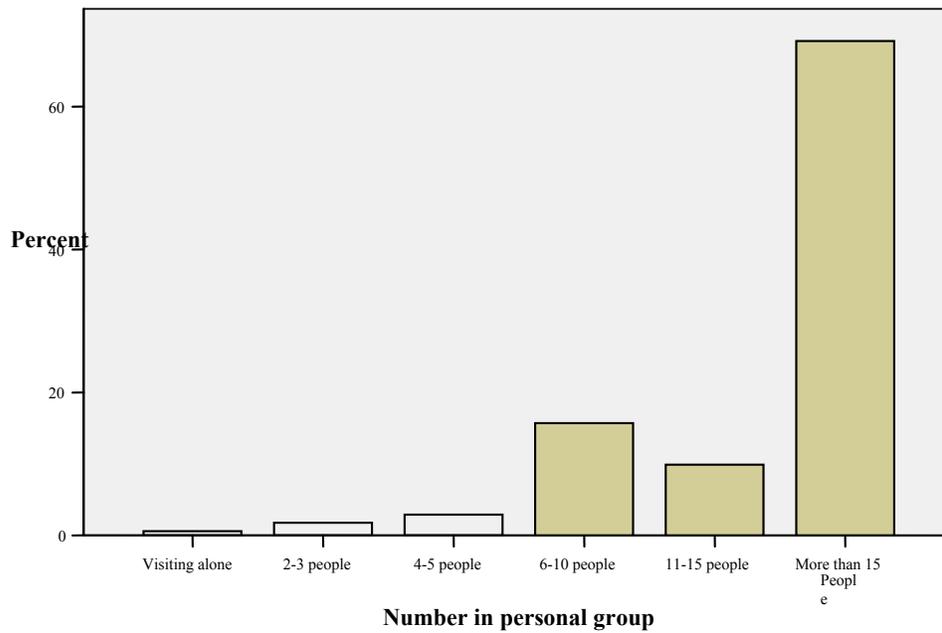


**Attraction to WY NHT**

**Number in personal group**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Visiting alone	1	.6	.6	.6
	2-3 people	3	1.7	1.7	2.3
	4-5 people	5	2.8	2.9	5.2
	6-10 people	27	15.3	15.7	20.9
	11-15 people	17	9.6	9.9	30.8
	more than 15 people	119	67.2	69.2	100.0
	Total	172	97.2	100.0	
Missing	9.00	5	2.8		
Total		177	100.0		

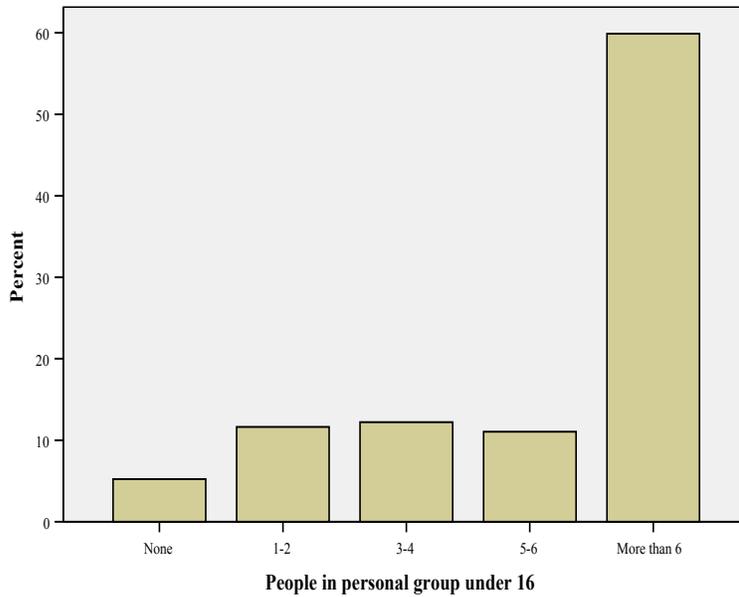
**Number in personal group**



**People in personal group under 16**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	None	9	5.1	5.2	5.2
	1-2	20	11.3	11.6	16.9
	3-4	21	11.9	12.2	29.1
	5-6	19	10.7	11.0	40.1
	More than 6	103	58.2	59.9	100.0
	Total	172	97.2	100.0	
Missing	9.00	5	2.8		
Total		177	100.0		

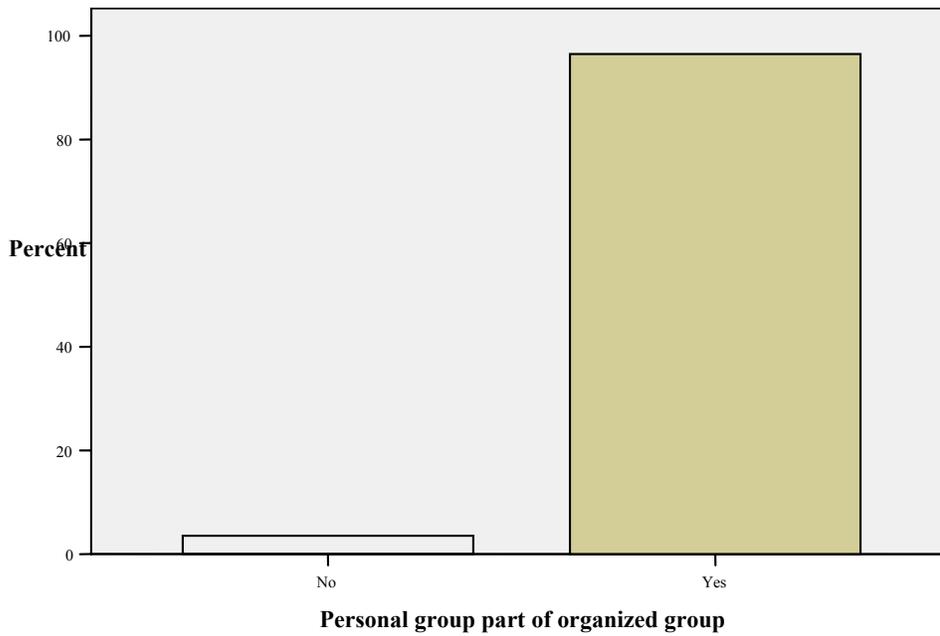
People in personal group under 16



**Personal group part of organized group**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	6	3.4	3.5	3.5
	Yes	164	92.7	96.5	100.0
	Total	170	96.0	100.0	
Missing	9.00	7	4.0		
Total		177	100.0		

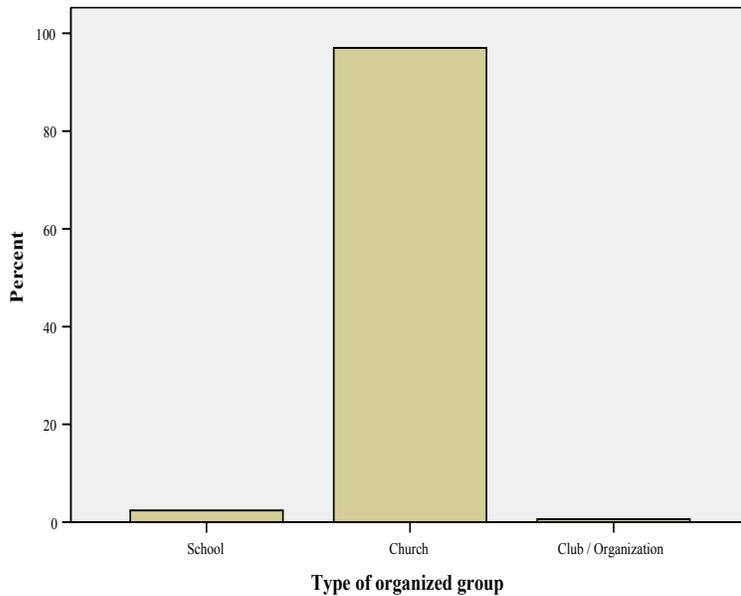
**Personal group part of organized group**



**Type of organized group**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	School	4	2.3	2.4	2.4
	Church	162	91.5	97.0	99.4
	Club / Organization	1	.6	.6	100.0
	Total	167	94.4	100.0	
Missing	9.00	10	5.6		
<b>Total</b>		<b>177</b>	<b>100.0</b>		

**Type of organized group**

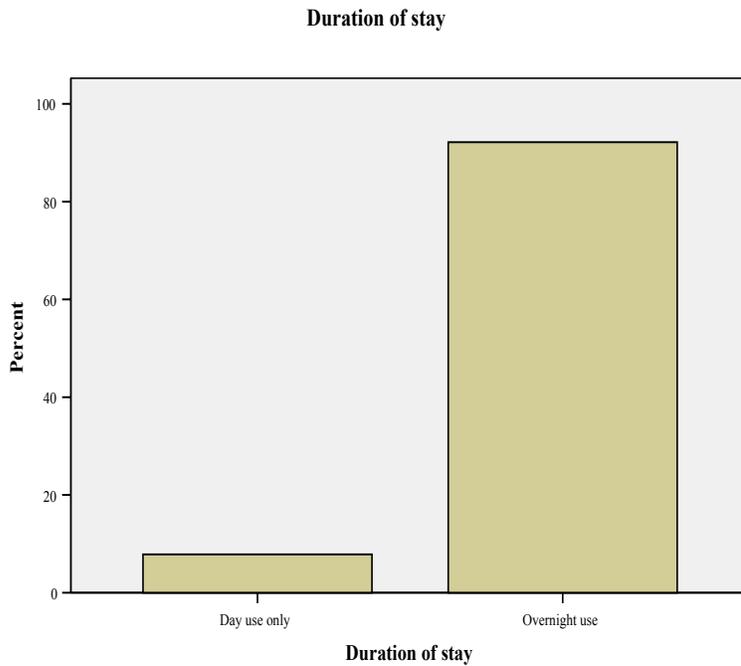


**Prior visitation to WNHT**

	N	Minimum	Maximum	Mean	Std. Deviation
Years visiting	174	0	30	1.97	4.004
Number of visits in past year	172	0	6	1.15	1.054
Valid N (listwise)	170				

**Duration of stay**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Day use only	8	4.5	7.8	7.8
	Overnight use	94	53.1	92.2	100.0
	Total	102	57.6	100.0	
Missing	System	75	42.4		
Total		177	100.0		



**Length of Stay**

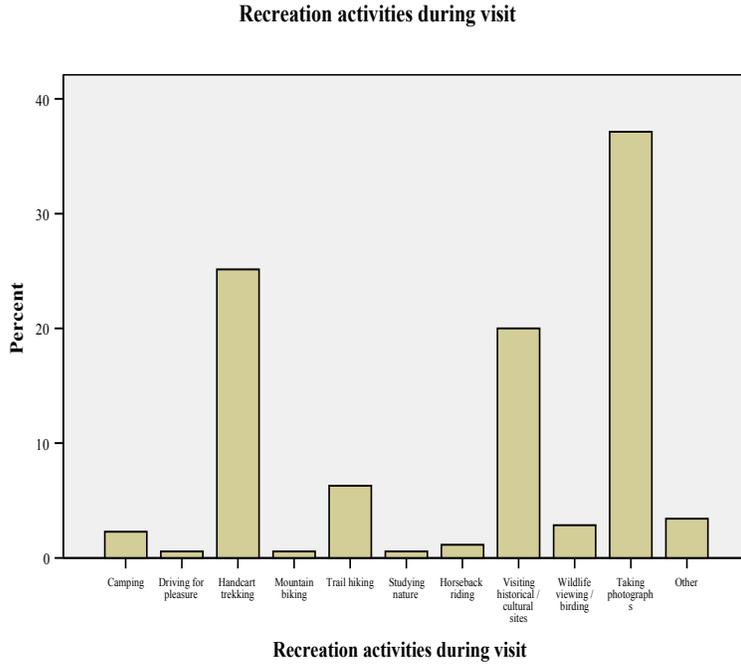
	N	Minimum	Maximum	Mean	Std. Deviation
Number of hours	159	3	24	9.33	2.391
Number of days	172	1	9	3.37	1.665
Valid N (listwise)	156				

**Recreation Activity Participation**

The most common activities the respondents reported participating in were handcart trekking, visiting historical/cultural sites, and taking photographs.

**Recreation activities during visit**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Camping	4	2.3	2.3	2.3
Driving for pleasure	1	.6	.6	2.9
Handcart trekking	44	24.9	25.1	28.0
Mountain biking	1	.6	.6	28.6
Trail hiking	11	6.2	6.3	34.9
Studying nature	1	.6	.6	35.4
Horseback riding	2	1.1	1.1	36.6
Visiting historical / cultural sites	35	19.8	20.0	56.6
Wildlife viewing / birding	5	2.8	2.9	59.4
Taking photographs	65	36.7	37.1	96.6
Other	6	3.4	3.4	100.0
Total	175	98.9	100.0	
Missing System	2	1.1		
Total	177	100.0		



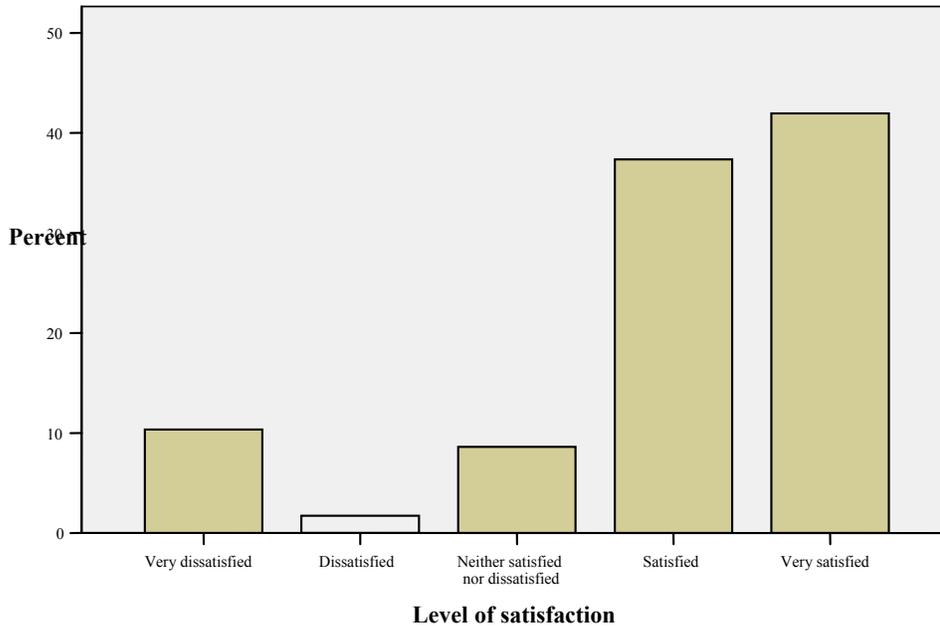
## Overall Satisfaction

Overall, the majority of visitors were satisfied or very satisfied with their visit to the Wyoming National Historic Trails.

### Level of satisfaction

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very dissatisfied	18	10.2	10.3	10.3
	Dissatisfied	3	1.7	1.7	12.1
	Neither satisfied nor dissatisfied	15	8.5	8.6	20.7
	Satisfied	65	36.7	37.4	58.0
	Very satisfied	73	41.2	42.0	100.0
	Total	174	98.3	100.0	
Missing	9.00	3	1.7		
Total		177	100.0		

### Level of satisfaction



## Recreation Experience Preferences / Motives

Recreation experience preferences/motives were measured by seven subscales. Respondents were asked to rate the importance of items on a five point scale ranging from 1 (very unimportant) to 5 (very important).

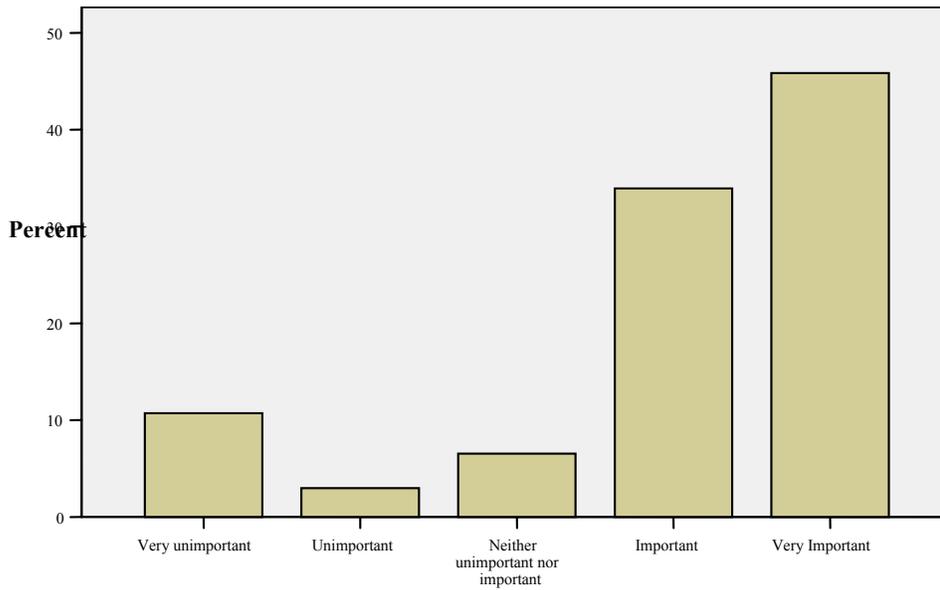
- 43.5% rated to do something with my family as a very important preference/motive and 32.2% rated it as an important preference/motive to recreate.
- 43.5% rated to bring my family closer together as a very important preference/motive and 27.7% rated it as an important preference/motive to recreate.
- 32.2% rated to be close to nature as an important preference/motive and 20.3% rated it as a very important preference/motive to recreate.
- 32.2% rated to enjoy the smells and sounds of nature as an important preference/motive and 10.2% rated it as a very important preference/motive to recreate.
- 45.2% rated to develop knowledge of things here as a very important preference/motive and 32.2% rated it as an important preference/motive to recreate.
- 46.3% rated to learn more about things here as a very important preference/motive and 27.7% rated it is an important preference/motive to recreate.

- 40.1% rated to understand things here better as a very important preference/motive and 30.5% rated it as an important preference/motive to recreate.
- 43.5% rated to be with members of my group as a very important preference/motive and 28.8% rated it as an important preference/motive to recreate.
- 34.5% rated to be with friends as an important preference/motive and 31.1% rated it as a very important preference/motive to recreate.
- Just over two-thirds of respondents rated to develop personal, spiritual values as a very important preference/motive to recreate.
- 70.1% rated to reflect on personal religious values as a very important preference/motive to recreate.
- 42.9% rated to help me understand better what my life is all about as a very important preference/motive and 29.4% rated it as an important preference/motive to recreate.
- 43.5% rated to think about who I am as a very important preference/motive and 27.7% rated it as an important preference/motive to recreate.
- 44.1% rated to help others learn about history here as a very important preference/motive and 25.4% rated it as an important preference/motive to recreate.
- 45.8% rated to teach others about history here as a very important preference/motive and 28.8% rated it as an important preference/motive to recreate.
- 33.3% rated to share what I have learned with others as a very important preference/motive and 32.8% rated it as an important preference/motive to recreate.
- 35.6% rated to get away from the usual demands of life as an important preference/motive and 24.9% rated it as a very important preference/motive to recreate.
- 35.6% rated to experience the sense of discovery involved as an important preference/motive and 32.2% rated it as a very important preference/motive to recreate.
- Over half of the respondents rated to gain an experience I can look back on as a very important preference/motive to recreate.
- Based on mean scores, respondents said the most important preferences/motives to recreate were to develop personal, spiritual values, to reflect on personal religious values, and to gain an experience I can look back on.

**To do something with my family**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	18	10.2	10.7	10.7
	Unimportant	5	2.8	3.0	13.7
	Neither unimportant nor important	11	6.2	6.5	20.2
	Important	57	32.2	33.9	54.2
	Very Important	77	43.5	45.8	100.0
	Total	168	94.9	100.0	
Missing	9.000	9	5.1		
Total		177	100.0		

**To do something with my family**

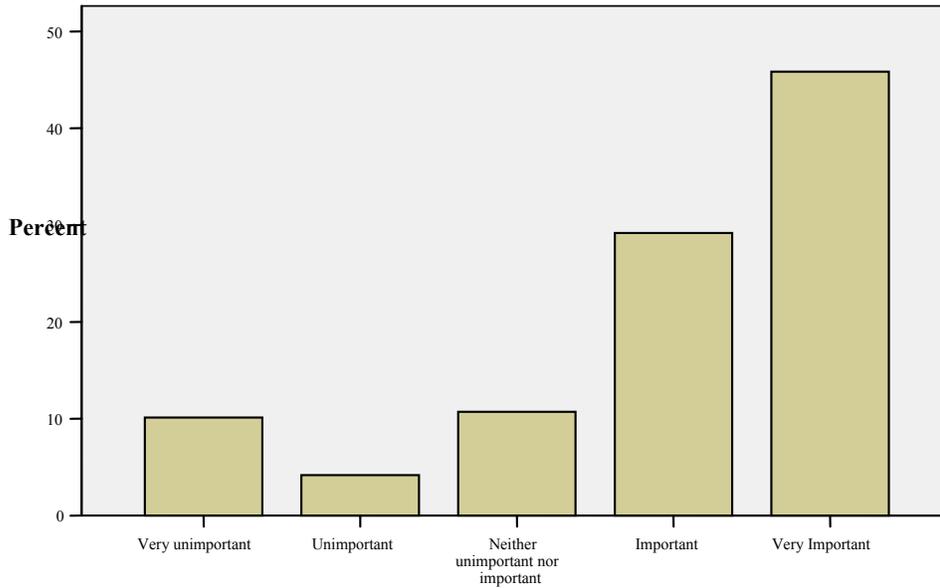


**To do something with my family**

**To bring my family closer together**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	17	9.6	10.1	10.1
	Unimportant	7	4.0	4.2	14.3
	Neither unimportant nor important	18	10.2	10.7	25.0
	Important	49	27.7	29.2	54.2
	Very Important	77	43.5	45.8	100.0
	Total	168	94.9	100.0	
Missing	9.00	9	5.1		
Total		177	100.0		

**To bring my family closer together**

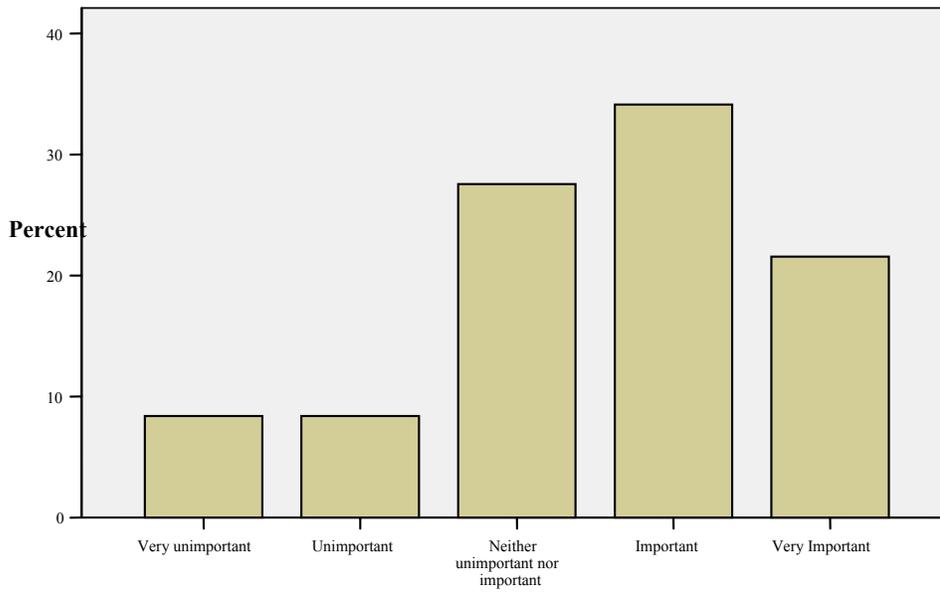


**To bring my family closer together**

**To be close to nature**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	14	7.9	8.4	8.4
	Unimportant	14	7.9	8.4	16.8
	Neither unimportant nor important	46	26.0	27.5	44.3
	Important	57	32.2	34.1	78.4
	Very Important	36	20.3	21.6	100.0
	Total	167	94.4	100.0	
Missing	9.00	10	5.6		
Total		177	100.0		

**To be close to nature**

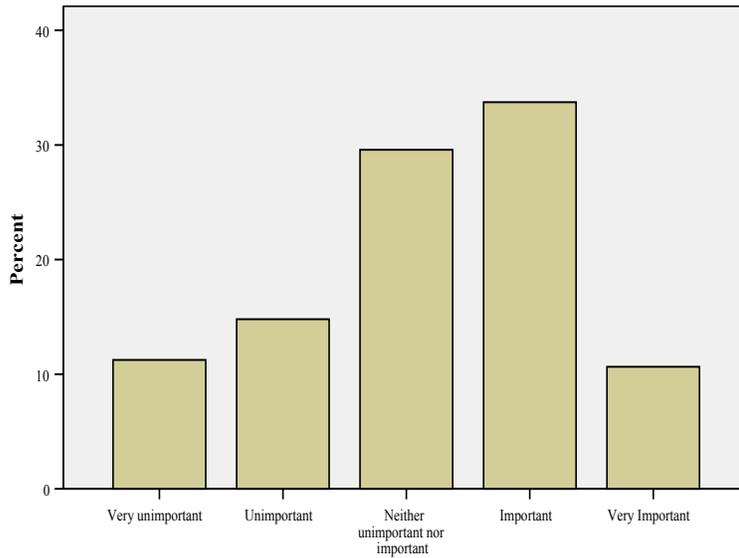


**To be close to nature**

**To enjoy the smells and sounds of nature**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	19	10.7	11.2	11.2
	Unimportant	25	14.1	14.8	26.0
	Neither unimportant nor important	50	28.2	29.6	55.6
	Important	57	32.2	33.7	89.3
	Very Important	18	10.2	10.7	100.0
	Total	169	95.5	100.0	
Missing	9.00	8	4.5		
Total		177	100.0		

**To enjoy the smells and sounds of nature**

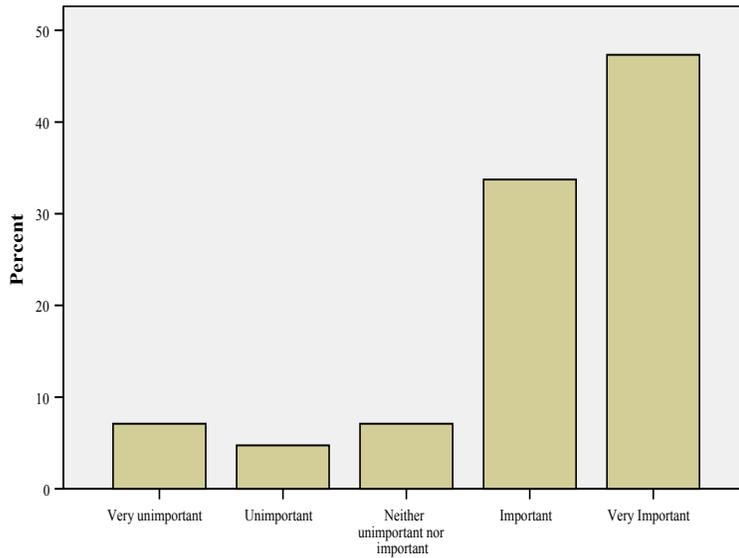


**To enjoy the smells and sounds of nature**

**To develop knowledge of things here**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	12	6.8	7.1	7.1
	Unimportant	8	4.5	4.7	11.8
	Neither unimportant nor important	12	6.8	7.1	18.9
	Important	57	32.2	33.7	52.7
	Very Important	80	45.2	47.3	100.0
	Total	169	95.5	100.0	
Missing	9.00	8	4.5		
Total		177	100.0		

**To develop knowledge of things here**

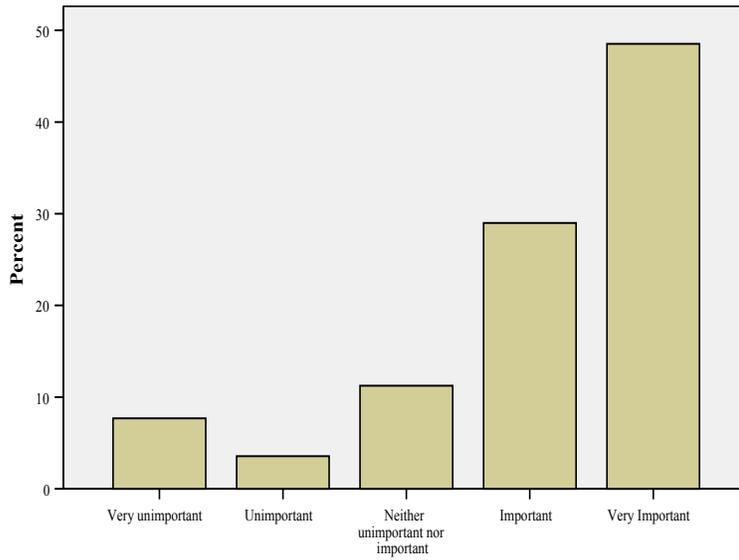


**To develop knowledge of things here**

**To learn more about things here**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	13	7.3	7.7	7.7
	Unimportant	6	3.4	3.6	11.2
	Neither unimportant nor important	19	10.7	11.2	22.5
	Important	49	27.7	29.0	51.5
	Very Important	82	46.3	48.5	100.0
	Total	169	95.5	100.0	
Missing	9.00	8	4.5		
Total		177	100.0		

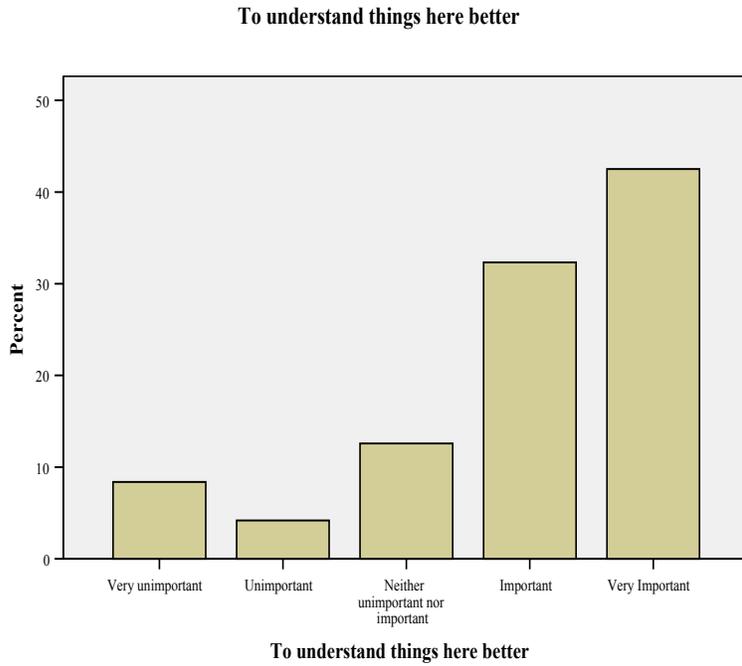
**To learn more about things here**



**To learn more about things here**

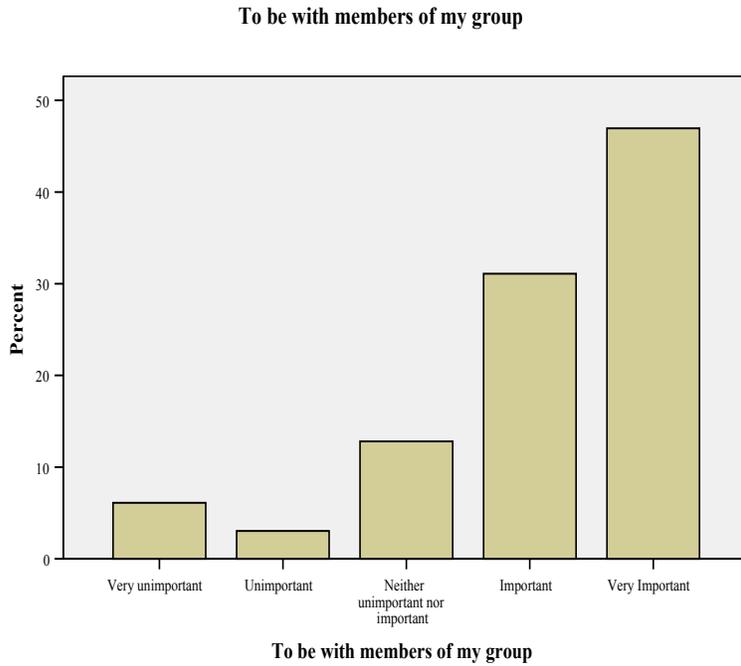
**To understand things here better**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	14	7.9	8.4	8.4
	Unimportant	7	4.0	4.2	12.6
	Neither unimportant nor important	21	11.9	12.6	25.1
	Important	54	30.5	32.3	57.5
	Very Important	71	40.1	42.5	100.0
	Total	167	94.4	100.0	
Missing	9.00	10	5.6		
Total		177	100.0		



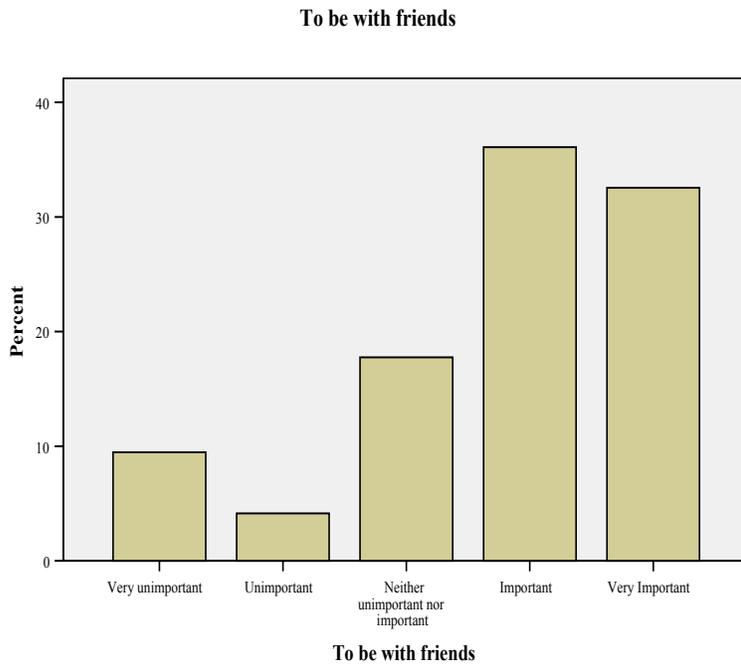
**To be with members of my group**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	10	5.6	6.1	6.1
	Unimportant	5	2.8	3.0	9.1
	Neither unimportant nor important	21	11.9	12.8	22.0
	Important	51	28.8	31.1	53.0
	Very Important	77	43.5	47.0	100.0
	Total	164	92.7	100.0	
Missing	9.00	13	7.3		
	Total	177	100.0		



**To be with friends**

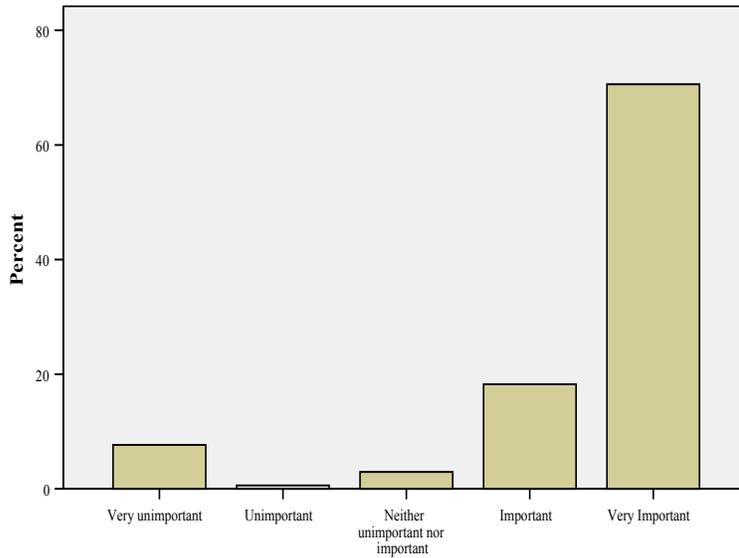
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	16	9.0	9.5	9.5
	Unimportant	7	4.0	4.1	13.6
	Neither unimportant nor important	30	16.9	17.8	31.4
	Important	61	34.5	36.1	67.5
	Very Important	55	31.1	32.5	100.0
	Total	169	95.5	100.0	
Missing	9.00	8	4.5		
Total		177	100.0		



**To develop personal, spiritual values**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	13	7.3	7.6	7.6
	Unimportant	1	.6	.6	8.2
	Neither unimportant nor important	5	2.8	2.9	11.2
	Important	31	17.5	18.2	29.4
	Very Important	120	67.8	70.6	100.0
	Total	170	96.0	100.0	
Missing	9.00	7	4.0		
Total		177	100.0		

**To develop persona, spiritual values**

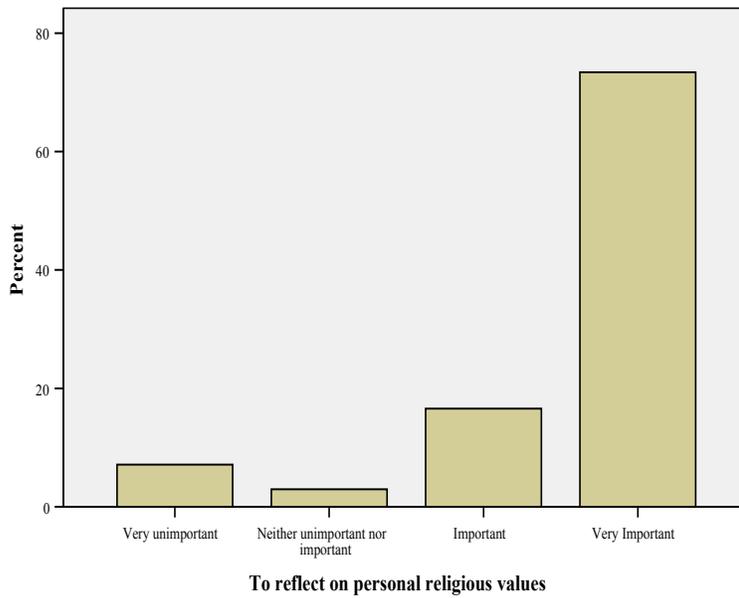


**To develop persona, spiritual values**

**To reflect on personal religious values**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	12	6.8	7.1	7.1
	Neither unimportant nor important	5	2.8	3.0	10.1
	Important	28	15.8	16.6	26.6
	Very Important	124	70.1	73.4	100.0
	Total	169	95.5	100.0	
Missing	9.00	8	4.5		
Total		177	100.0		

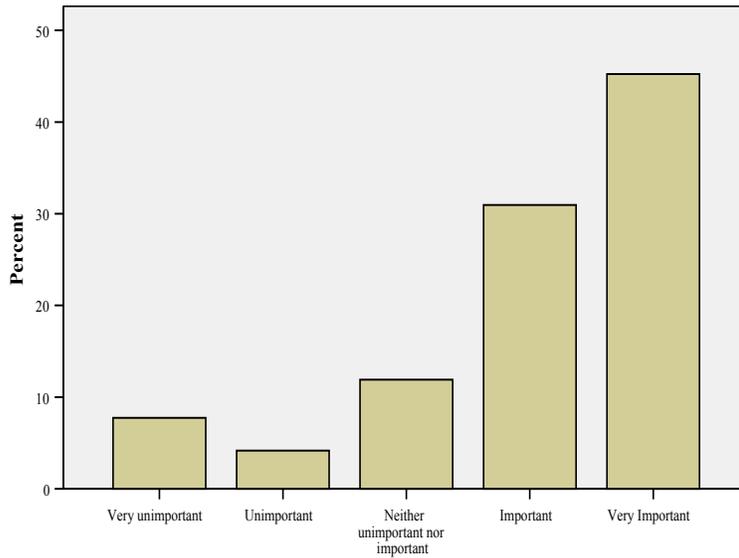
To reflect on personal religious values



**To help me understand better what my life is all about**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	13	7.3	7.7	7.7
	Unimportant	7	4.0	4.2	11.9
	Neither unimportant nor important	20	11.3	11.9	23.8
	Important	52	29.4	31.0	54.8
	Very Important	76	42.9	45.2	100.0
	Total	168	94.9	100.0	
Missing	9.00	9	5.1		
Total		177	100.0		

**To help me understand better what my life is all about**

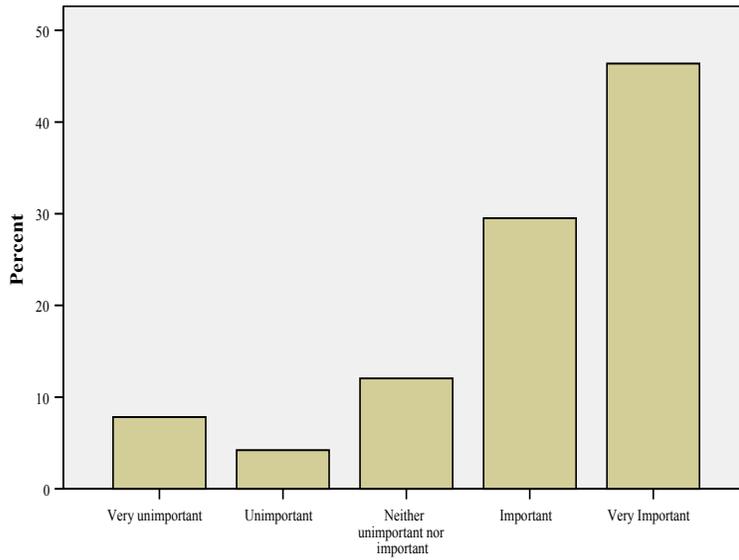


**To help me understand better what my life is all about**

**To think about who I am**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	13	7.3	7.8	7.8
	Unimportant	7	4.0	4.2	12.0
	Neither unimportant nor important	20	11.3	12.0	24.1
	Important	49	27.7	29.5	53.6
	Very Important	77	43.5	46.4	100.0
Total		166	93.8	100.0	
Missing	9.00	11	6.2		
Total		177	100.0		

**To think about who I am**

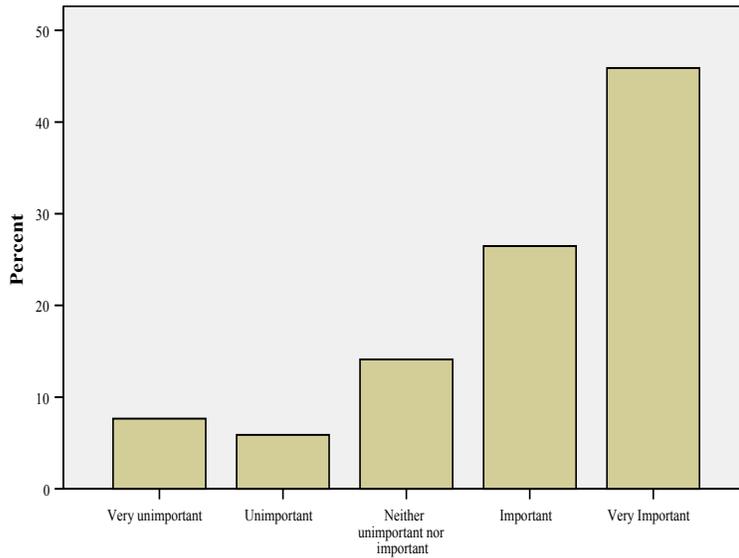


**To think about who I am**

**To help others learn about history here**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	13	7.3	7.6	7.6
	Unimportant	10	5.6	5.9	13.5
	Neither unimportant nor important	24	13.6	14.1	27.6
	Important	45	25.4	26.5	54.1
	Very Important	78	44.1	45.9	100.0
	Total	170	96.0	100.0	
Missing	9.00	7	4.0		
	Total	177	100.0		

**To help others learn about history here**

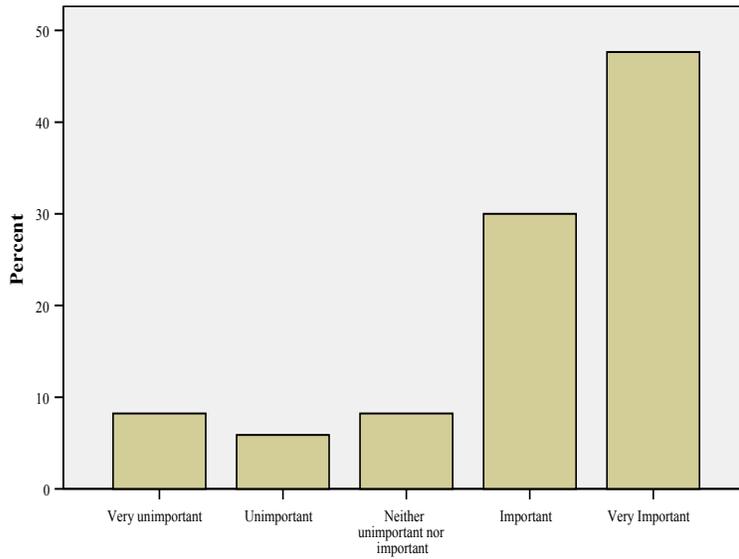


**To help others learn about history here**

**To teach others about history here**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	14	7.9	8.2	8.2
	Unimportant	10	5.6	5.9	14.1
	Neither unimportant nor important	14	7.9	8.2	22.4
	Important	51	28.8	30.0	52.4
	Very Important	81	45.8	47.6	100.0
	Total	170	96.0	100.0	
	Missing	9.00	7	4.0	
Total		177	100.0		

**To teach others about history here**

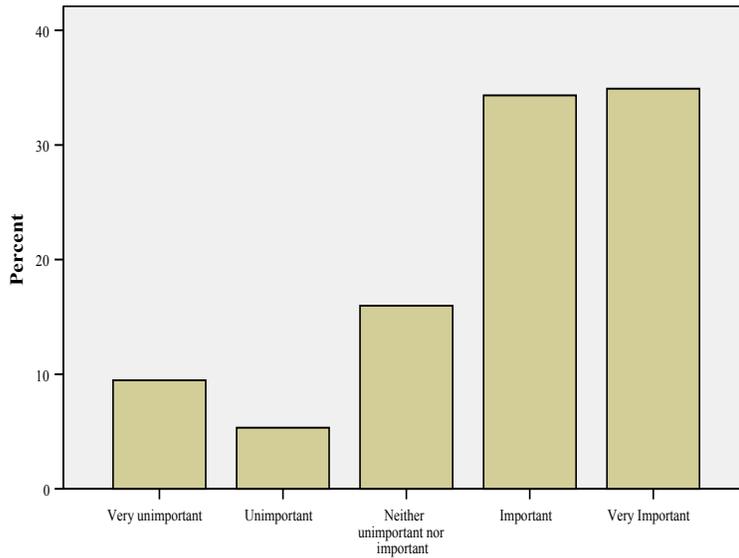


**To teach others about history here**

**To share what I have learned with others**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	16	9.0	9.5	9.5
	Unimportant	9	5.1	5.3	14.8
	Neither unimportant nor important	27	15.3	16.0	30.8
	Important	58	32.8	34.3	65.1
	Very Important	59	33.3	34.9	100.0
	Total	169	95.5	100.0	
Missing	9.00	8	4.5		
<b>Total</b>		<b>177</b>	<b>100.0</b>		

**To share what I have learned with others**

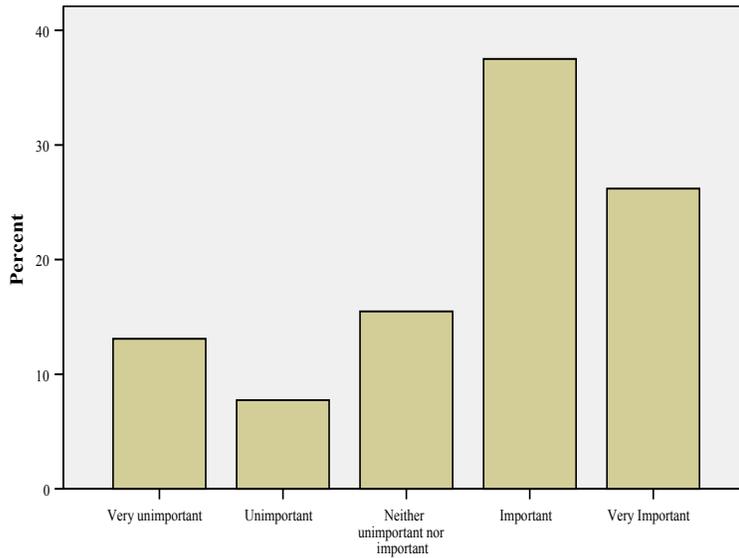


**To share what I have learned with others**

**To get away from the usual demands of life**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	22	12.4	13.1	13.1
	Unimportant	13	7.3	7.7	20.8
	Neither unimportant nor important	26	14.7	15.5	36.3
	Important	63	35.6	37.5	73.8
	Very Important	44	24.9	26.2	100.0
	Total	168	94.9	100.0	
Missing	9.00	9	5.1		
Total		177	100.0		

To get away from the usual demands of life

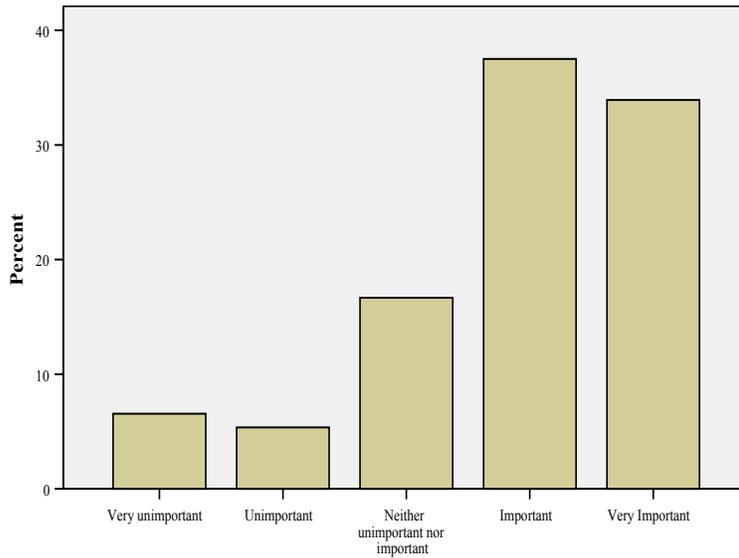


To get away from the usual demands of life

**To experience the sense of discovery involved**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	11	6.2	6.5	6.5
	Unimportant	9	5.1	5.4	11.9
	Neither unimportant nor important	28	15.8	16.7	28.6
	Important	63	35.6	37.5	66.1
	Very Important	57	32.2	33.9	100.0
	Total	168	94.9	100.0	
Missing	9.00	9	5.1		
Total		177	100.0		

**To experience the sense of discovery involved**

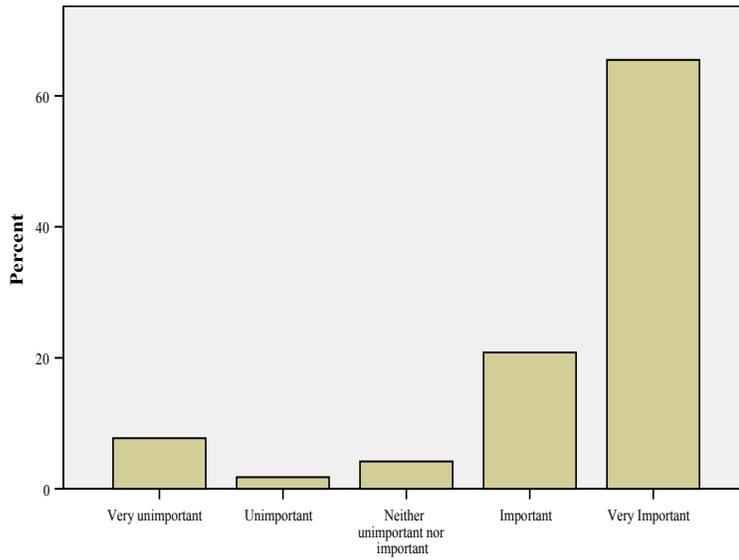


**To experience the sense of discovery involved**

**To gain an experience I can look back on**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	13	7.3	7.7	7.7
	Unimportant	3	1.7	1.8	9.5
	Neither unimportant nor important	7	4.0	4.2	13.7
	Important	35	19.8	20.8	34.5
	Very Important	110	62.1	65.5	100.0
	Total	168	94.9	100.0	
Missing	9.00	9	5.1		
Total		177	100.0		

**To gain an experience I can look back on**



**To gain an experience I can look back on**

**Recreation experience preferences / motives**

	N	Mean	Std. Deviation
To do something with my family	168	4.01	1.27
To bring my family closer together	168	3.96	1.29
To be close to nature	167	3.52	1.17
To enjoy the smells and sounds of nature	169	3.18	1.16
To develop knowledge of things here	169	4.09	1.17
To learn more about things here	169	4.07	1.20
To understand things here better	167	3.96	1.22
To be with members of my group	164	4.10	1.13
To be with friends	169	3.78	1.22
To develop persona, spiritual values	170	4.44	1.12
To reflect on personal religious values	169	4.49	1.08
To help me understand better what my life is all about	168	4.02	1.20
To think about who I am	166	4.02	1.21
To help others learn about history here	170	3.97	1.24
To teach others about history here	170	4.03	1.24
To share what I have learned with others	169	3.80	1.24
To get away from the usual demands of life	168	3.56	1.31
To experience the sense of discovery involved	168	3.87	1.14
To gain an experience I can look back on	168	4.35	1.16
Valid N (listwise)	153		

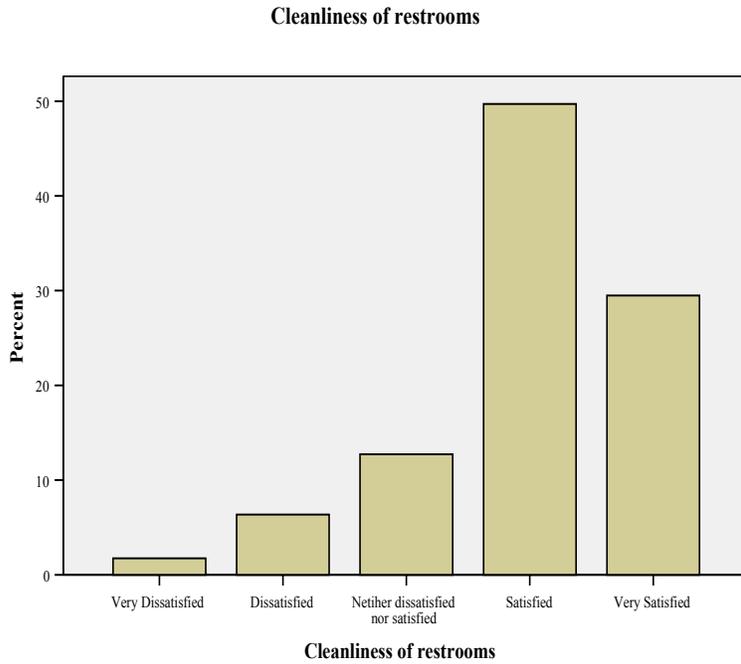
## **Satisfaction with Facilities, Programs, and Services**

Respondents were asked to rate the importance of a variety of facilities, programs, and services and their level of satisfaction with current conditions. Respondents were asked to rate their satisfaction on a five point scale ranging from 1 (very dissatisfied) to 5 (very satisfied).

- 48.6% were satisfied and 28.8% were very satisfied with the cleanliness of restrooms.
- 42.9% were satisfied and 23.7% were very satisfied with the availability of restrooms.
- Just over one-third were satisfied or very satisfied with the availability of trash cans.
- 42.9% were satisfied and 31.6% were very satisfied with the hiking trails.
- Just over half of respondents were satisfied or very satisfied with the day use picnic areas.
- 35% were satisfied and 26% were very satisfied with the availability of personal camping sites.
- 41.8% were satisfied and 30.5% were very satisfied with the availability of group camping sites.
- Just under half of respondents were satisfied or very satisfied with the availability of parking.
- Based on mean scores, respondents said they were most satisfied with the hiking trails.

**Cleanliness of restrooms**

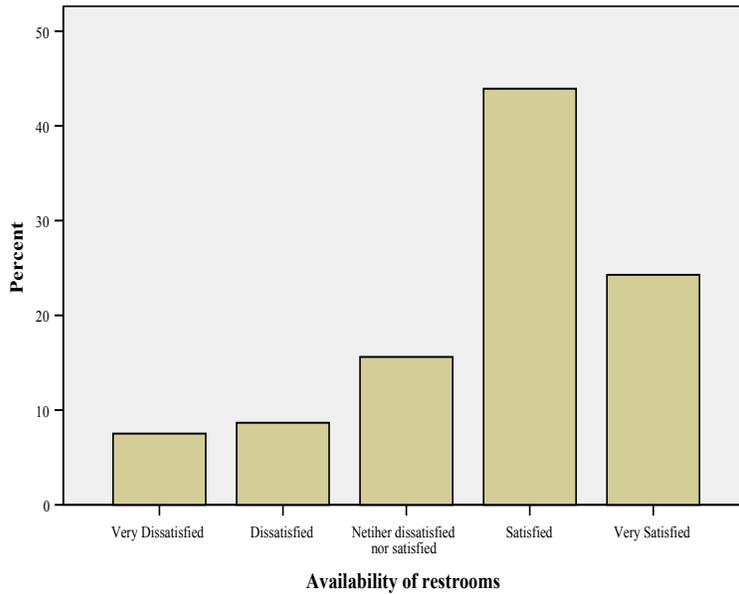
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Dissatisfied	3	1.7	1.7	1.7
	Dissatisfied	11	6.2	6.4	8.1
	Neither dissatisfied nor satisfied	22	12.4	12.7	20.8
	Satisfied	86	48.6	49.7	70.5
	Very Satisfied	51	28.8	29.5	100.0
	Total	173	97.7	100.0	
Missing	9.00	4	2.3		
	Total	177	100.0		



**Availability of restrooms**

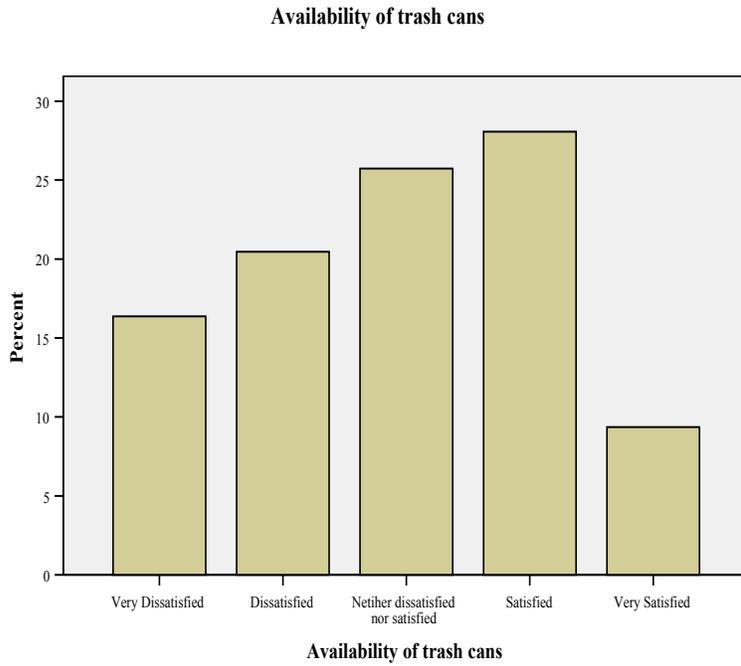
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Dissatisfied	13	7.3	7.5	7.5
	Dissatisfied	15	8.5	8.7	16.2
	Neither dissatisfied nor satisfied	27	15.3	15.6	31.8
	Satisfied	76	42.9	43.9	75.7
	Very Satisfied	42	23.7	24.3	100.0
	Total	173	97.7	100.0	
Missing	9.00	4	2.3		
	Total	177	100.0		

Availability of restrooms



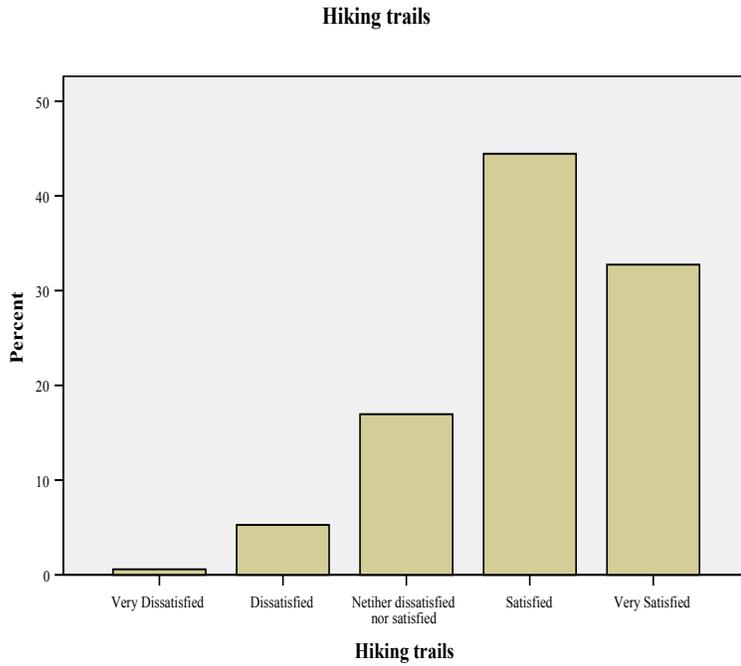
**Availability of trash cans**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Dissatisfied	28	15.8	16.4	16.4
	Dissatisfied	35	19.8	20.5	36.8
	Neither dissatisfied nor satisfied	44	24.9	25.7	62.6
	Satisfied	48	27.1	28.1	90.6
	Very Satisfied	16	9.0	9.4	100.0
	Total	171	96.6	100.0	
Missing	9.00	6	3.4		
Total		177	100.0		



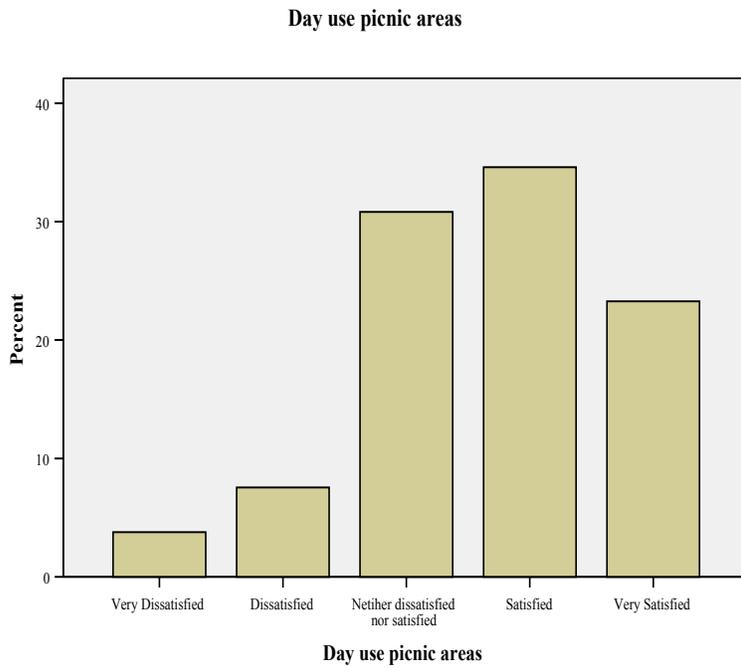
**Hiking trails**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Dissatisfied	1	.6	.6	.6
	Dissatisfied	9	5.1	5.3	5.8
	Neither dissatisfied nor satisfied	29	16.4	17.0	22.8
	Satisfied	76	42.9	44.4	67.3
	Very Satisfied	56	31.6	32.7	100.0
	Total	171	96.6	100.0	
Missing	9.00	6	3.4		
Total		177	100.0		



**Day use picnic areas**

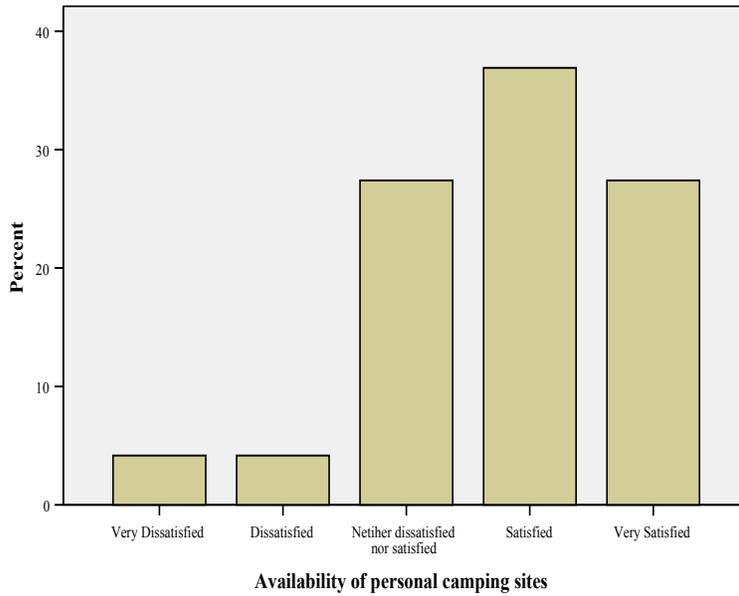
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Dissatisfied	6	3.4	3.8	3.8
	Dissatisfied	12	6.8	7.5	11.3
	Neither dissatisfied nor satisfied	49	27.7	30.8	42.1
	Satisfied	55	31.1	34.6	76.7
	Very Satisfied	37	20.9	23.3	100.0
	Total	159	89.8	100.0	
Missing	9.00	18	10.2		
Total		177	100.0		



**Availability of personal camping sites**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Dissatisfied	7	4.0	4.2	4.2
	Dissatisfied	7	4.0	4.2	8.3
	Neither dissatisfied nor satisfied	46	26.0	27.4	35.7
	Satisfied	62	35.0	36.9	72.6
	Very Satisfied	46	26.0	27.4	100.0
	Total	168	94.9	100.0	
Missing	9.00	9	5.1		
Total		177	100.0		

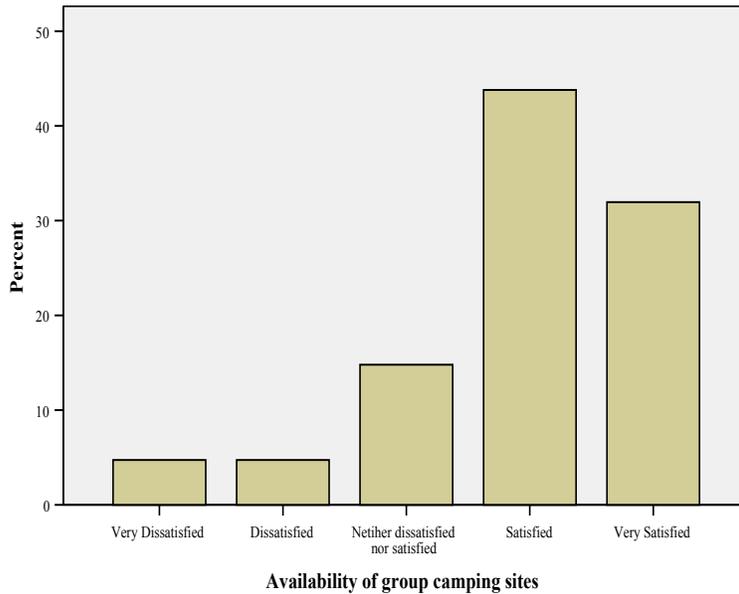
Availability of personal camping sites



**Availability of group camping sites**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Dissatisfied	8	4.5	4.7	4.7
	Dissatisfied	8	4.5	4.7	9.5
	Neither dissatisfied nor satisfied	25	14.1	14.8	24.3
	Satisfied	74	41.8	43.8	68.0
	Very Satisfied	54	30.5	32.0	100.0
	Total	169	95.5	100.0	
Missing	9.00	8	4.5		
Total		177	100.0		

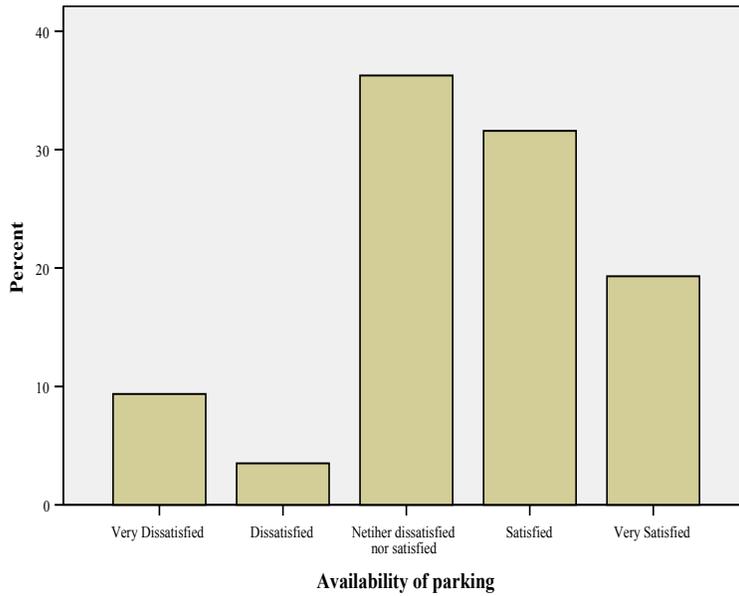
Availability of group camping sites



**Availability of parking**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Dissatisfied	16	9.0	9.4	9.4
	Dissatisfied	6	3.4	3.5	12.9
	Neither dissatisfied nor satisfied	62	35.0	36.3	49.1
	Satisfied	54	30.5	31.6	80.7
	Very Satisfied	33	18.6	19.3	100.0
	Total	171	96.6	100.0	
Missing	9.00	6	3.4		
Total		177	100.0		

Availability of parking



**Satisfaction with programs, facilities, and services**

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	N	Mean	Std. Deviation
Cleanliness of restrooms	173	3.99	0.91
Availability of restrooms	173	3.69	1.15
Availability of trash cans	171	2.94	1.23
Hiking trails	171	4.04	0.87
Day use picnic areas	159	3.66	1.04
Availability of personal camping sites	168	3.79	1.03
Availability of group camping sites	169	3.93	1.04
Availability of parking	171	3.48	1.13
Valid N (listwise)	153		

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## Place Attachment

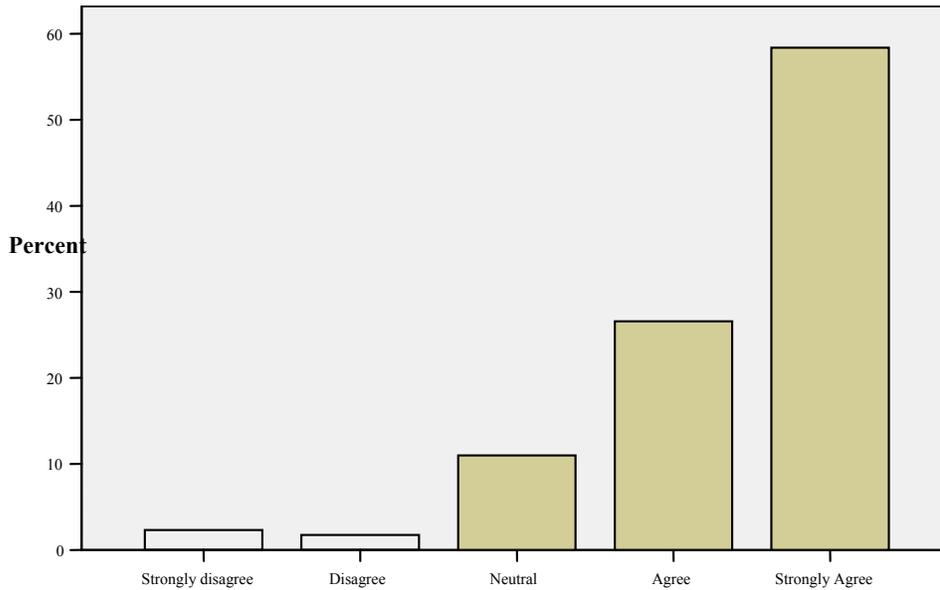
Another section of the survey assessed visitors' level of place attachment to the Wyoming National Historic Trails.

- Over half of respondents strongly agreed with the statement, these trails mean a lot to me.
- 33.9% strongly agreed and 29.9% agreed with the statement, I am very attached to these trails.
- 39% strongly agreed with the statement, I identify strongly with these trails.
- 44.1% were neutral to the statement; I enjoy recreating on these trails more than any other trails.
- 28.8% agreed and 18.1% strongly agreed with the statement, I get more satisfaction out of visiting these trails than from visiting any other trail.
- 27.1% agreed and 15.8% strongly agreed with the statement, recreating here is more important than hiking in any other place.
- 22.6% agreed and 22% strongly agreed with the statement, I wouldn't substitute any other trail for the type of recreation I do here.
- Just over two thirds of respondents strongly agreed or agreed with the statement, I have a lot of fond memories about these trails.
- 41.8% strongly agreed and 30.5% agreed with the statement, I have a special connection to these trails and the people who recreate here.
- Two thirds of respondents strongly agreed or agreed with the statement, I will bring my children to these trails.
- 57.1% strongly agreed with the statement, the events that transpired along these trails interests me.
- 70.6% strongly agreed with the statement, these trails are significant in that they have a story to tell me.
- Based on mean scores, respondents strongly agreed or agreed with the statements, these trails mean a lot to me, the events that transpired along these trails interests me, and these trails are significant in that they have a story to tell me.

**These trails mean a lot to me**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Strongly disagree	4	2.3	2.3	2.3
Disagree	3	1.7	1.7	4.0
Neutral	19	10.7	11.0	15.0
Agree	46	26.0	26.6	41.6
Strongly Agree	101	57.1	58.4	100.0
Total	173	97.7	100.0	
Missing 9.00	4	2.3		
Total	177	100.0		

**These trails mean a lot to me**

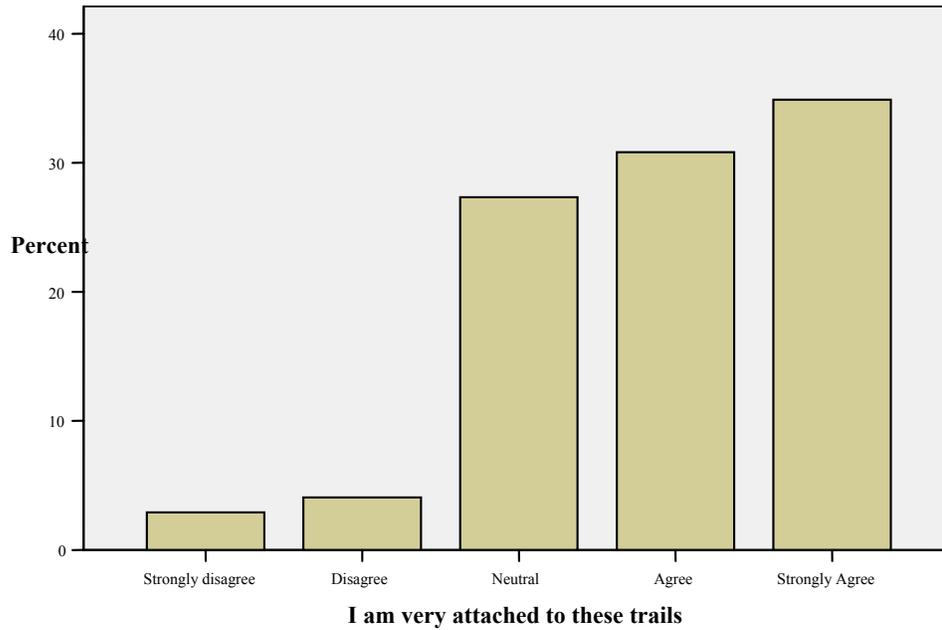


**These trails mean a lot to me**

**I am very attached to these trails**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Strongly disagree	5	2.8	2.9	2.9
Disagree	7	4.0	4.1	7.0
Neutral	47	26.6	27.3	34.3
Agree	53	29.9	30.8	65.1
Strongly Agree	60	33.9	34.9	100.0
Total	172	97.2	100.0	
Missing 9.00	5	2.8		
Total	177	100.0		

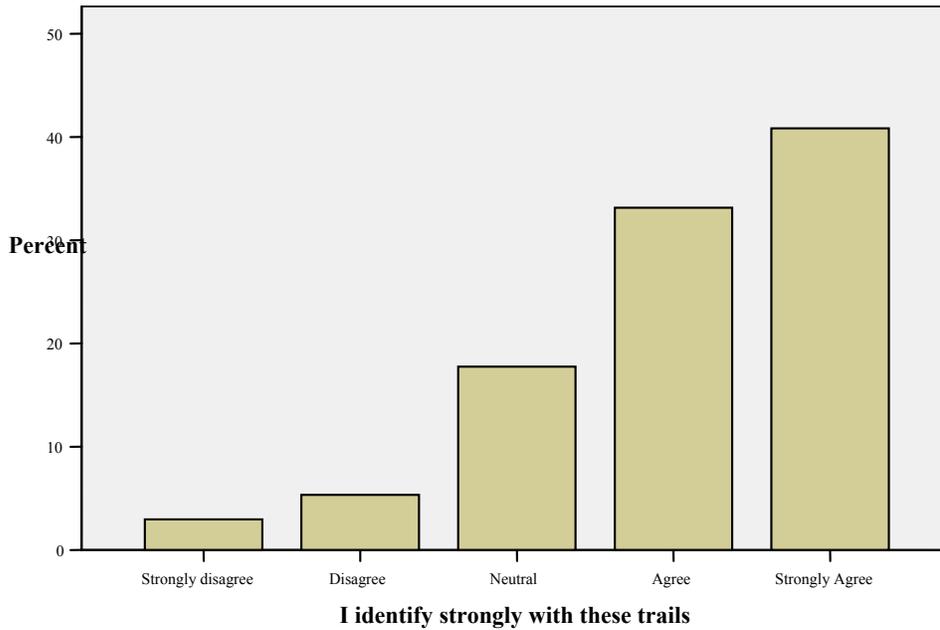
**I am very attached to these trails**



**I identify strongly with these trails**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Strongly disagree	5	2.8	3.0	3.0
	Disagree	9	5.1	5.3	8.3
	Neutral	30	16.9	17.8	26.0
	Agree	56	31.6	33.1	59.2
	Strongly Agree	69	39.0	40.8	100.0
	Total	169	95.5	100.0	
Missing	9.00	8	4.5		
Total		177	100.0		

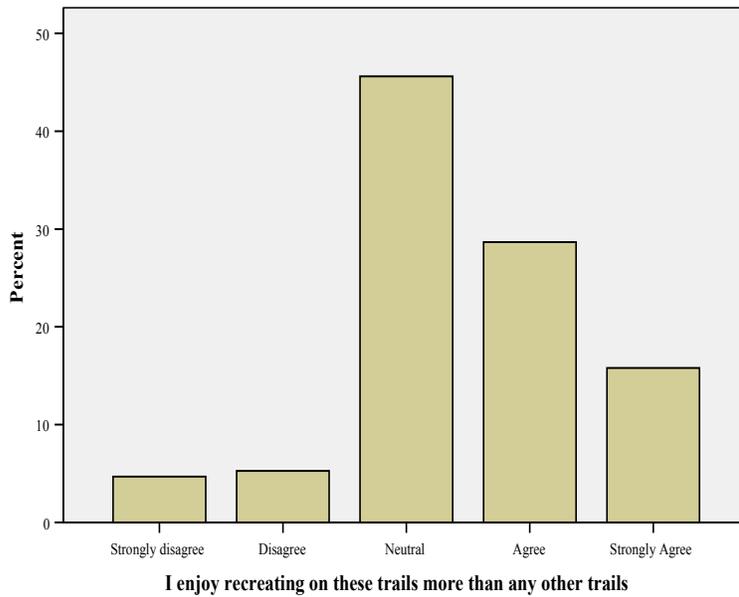
**I identify strongly with these trails**



**I enjoy recreating on these trails more than any other trails**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Strongly disagree	8	4.5	4.7	4.7
	Disagree	9	5.1	5.3	9.9
	Neutral	78	44.1	45.6	55.6
	Agree	49	27.7	28.7	84.2
	Strongly Agree	27	15.3	15.8	100.0
	Total	171	96.6	100.0	
Missing	9.00	6	3.4		
Total		177	100.0		

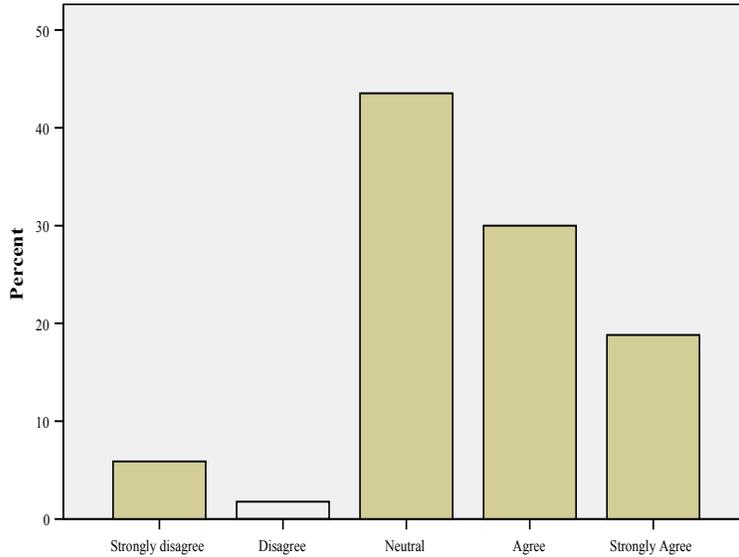
**I enjoy recreating on these trails more than any other trails**



**I get more satisfaction out of visiting these trails than from visiting any other trail**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Strongly disagree	10	5.6	5.9	5.9
	Disagree	3	1.7	1.8	7.6
	Neutral	74	41.8	43.5	51.2
	Agree	51	28.8	30.0	81.2
	Strongly Agree	32	18.1	18.8	100.0
	Total	170	96.0	100.0	
Missing	9.00	7	4.0		
Total		177	100.0		

**I get more satisfaction out of visitng these trails than from visiting any other trail**

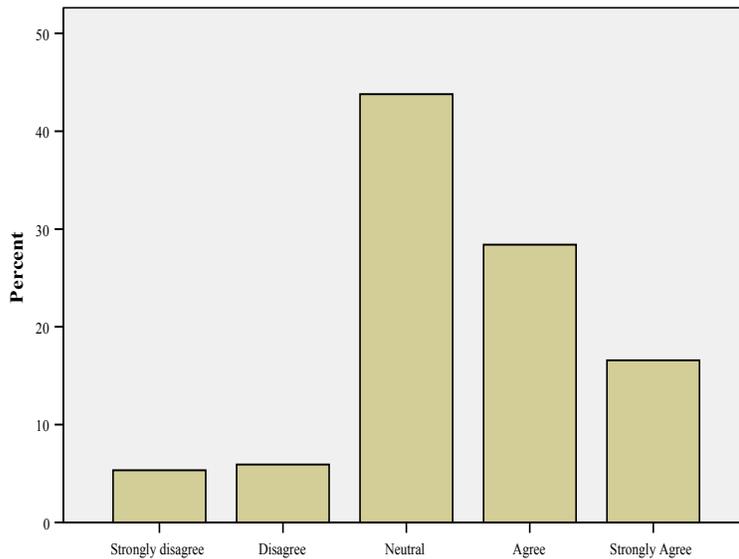


**I get more satisfaction out of visitng these trails than from visiting any other trail**

**Recreating here is more important than hiking in any other place**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Strongly disagree	9	5.1	5.3	5.3
	Disagree	10	5.6	5.9	11.2
	Neutral	74	41.8	43.8	55.0
	Agree	48	27.1	28.4	83.4
	Strongly Agree	28	15.8	16.6	100.0
	Total	169	95.5	100.0	
Missing	9.00	8	4.5		
Total		177	100.0		

**Recreating here is more important than hiking in any other place**

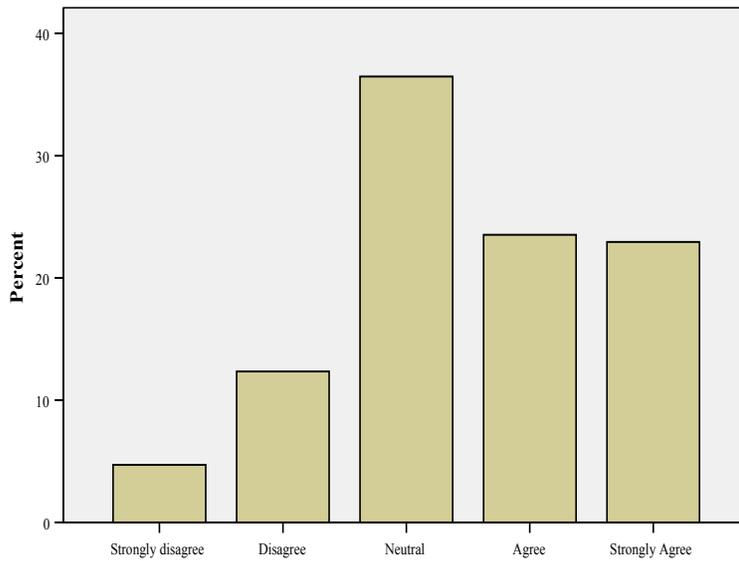


**Recreating here is more important than hiking in any other place**

**I wouldn't substitute any other trail for the type of recreation I do here**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Strongly disagree	8	4.5	4.7	4.7
	Disagree	21	11.9	12.4	17.1
	Neutral	62	35.0	36.5	53.5
	Agree	40	22.6	23.5	77.1
	Strongly Agree	39	22.0	22.9	100.0
	Total	170	96.0	100.0	
Missing	9.00	7	4.0		
Total		177	100.0		

**I wouldn't substitute any other trail for the type of recreation I do here**

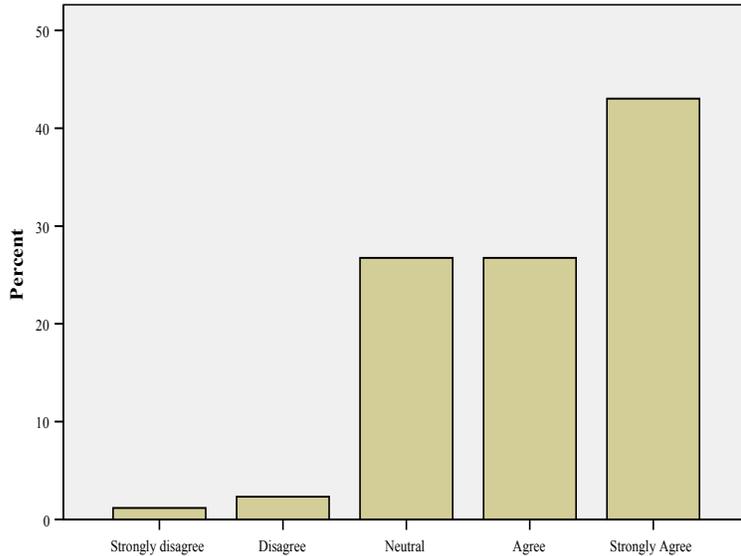


**I wouldn't substitute any other trail for the type of recreation I do here**

**I have a lot of fond memories about these trails**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Strongly disagree	2	1.1	1.2	1.2
	Disagree	4	2.3	2.3	3.5
	Neutral	46	26.0	26.7	30.2
	Agree	46	26.0	26.7	57.0
	Strongly Agree	74	41.8	43.0	100.0
	Total	172	97.2	100.0	
Missing	9.00	5	2.8		
Total		177	100.0		

**I have a lot of fond memories about these trails**

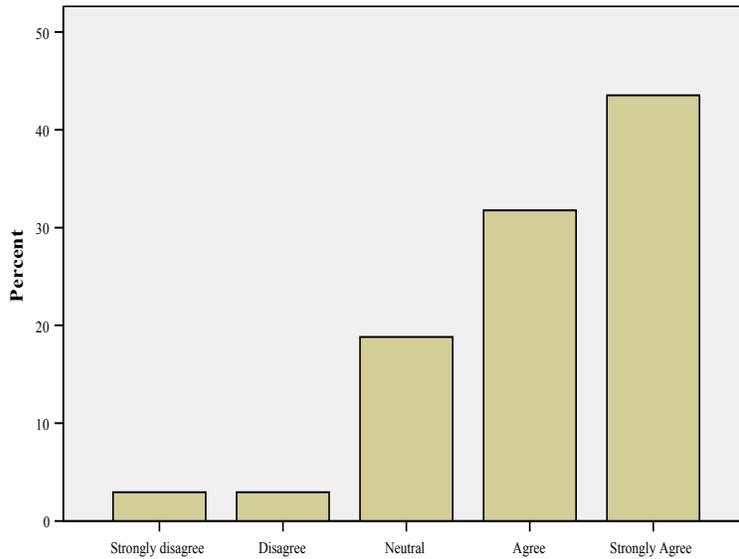


**I have a lot of fond memories about these trails**

**I have a special connection to these trails and the people who recreate here**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Strongly disagree	5	2.8	2.9	2.9
	Disagree	5	2.8	2.9	5.9
	Neutral	32	18.1	18.8	24.7
	Agree	54	30.5	31.8	56.5
	Strongly Agree	74	41.8	43.5	100.0
	Total	170	96.0	100.0	
Missing	9.00	7	4.0		
Total		177	100.0		

I have a special connection to these trails and the people who recreate here

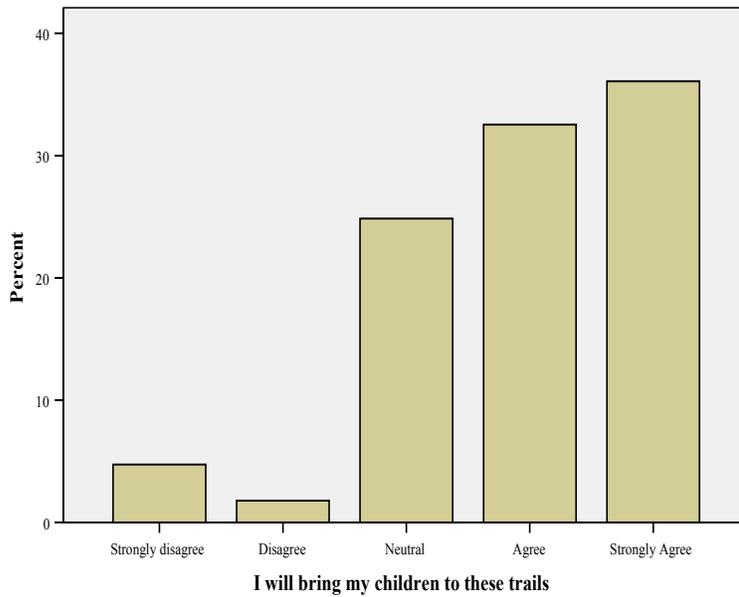


I have a special connection to these trails and the people who recreate here

**I will bring my children to these trails**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Strongly disagree	8	4.5	4.7	4.7
	Disagree	3	1.7	1.8	6.5
	Neutral	42	23.7	24.9	31.4
	Agree	55	31.1	32.5	63.9
	Strongly Agree	61	34.5	36.1	100.0
	Total	169	95.5	100.0	
Missing	9.00	8	4.5		
Total		177	100.0		

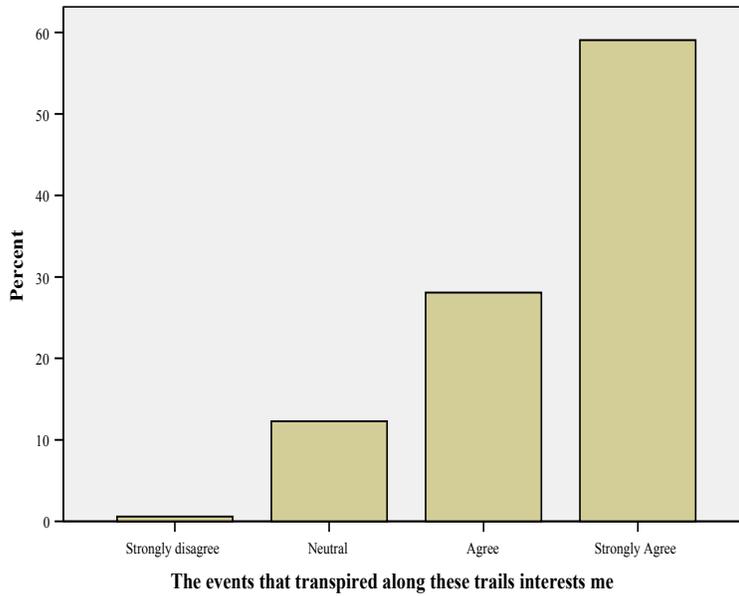
**I will bring my children to these trails**



**The events that transpired along these trails interests me**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Strongly disagree	1	.6	.6	.6
	Neutral	21	11.9	12.3	12.9
	Agree	48	27.1	28.1	40.9
	Strongly Agree	101	57.1	59.1	100.0
	Total	171	96.6	100.0	
Missing	9.00	6	3.4		
Total		177	100.0		

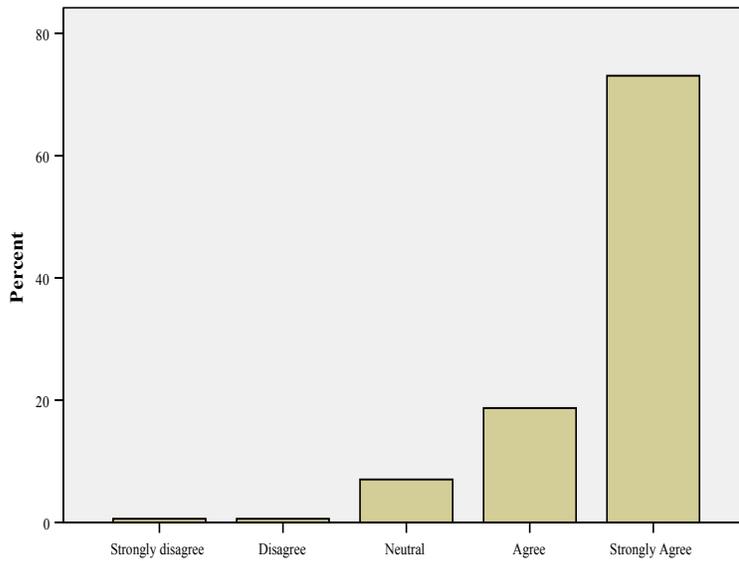
The events that transpired along these trails interests me



**These trails are significant in that they have a story to tell me**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Strongly disagree	1	.6	.6	.6
	Disagree	1	.6	.6	1.2
	Neutral	12	6.8	7.0	8.2
	Agree	32	18.1	18.7	26.9
	Strongly Agree	125	70.6	73.1	100.0
	Total	171	96.6	100.0	
Missing	9.00	6	3.4		
	Total	177	100.0		

**These trails are significant in that they have a story to tell me**



**These trails are significant in that they have a story to tell me**

**Place attachment**

	N	Mean	Std. Deviation
These trails mean a lot to me	173	4.37	0.92
I am very attached to these trails	172	3.91	1.02
I identify strongly with these trails	169	4.04	1.03
I enjoy recreating on these trails more than any other trails	171	3.46	0.98
I get more satisfaction out of visiting these trails than from visiting any other trail	170	3.54	1.01
Recreating here is more important than hiking in any other place	169	3.45	1.01
I wouldn't substitute any other trail for the type of recreation I do here	170	3.48	1.12
I have a lot of fond memories about these trails	172	4.08	0.95
I have a special connection to these trails and the people who recreate here	170	4.10	1.00
I will bring my children to these trails	169	3.93	1.05
The events that transpired along these trails interests me	171	4.45	0.75
These trails are significant in that they have a story to tell me	171	4.63	0.69
Valid N (listwise)	156		

## Perceptions of Ecological and Social Impacts

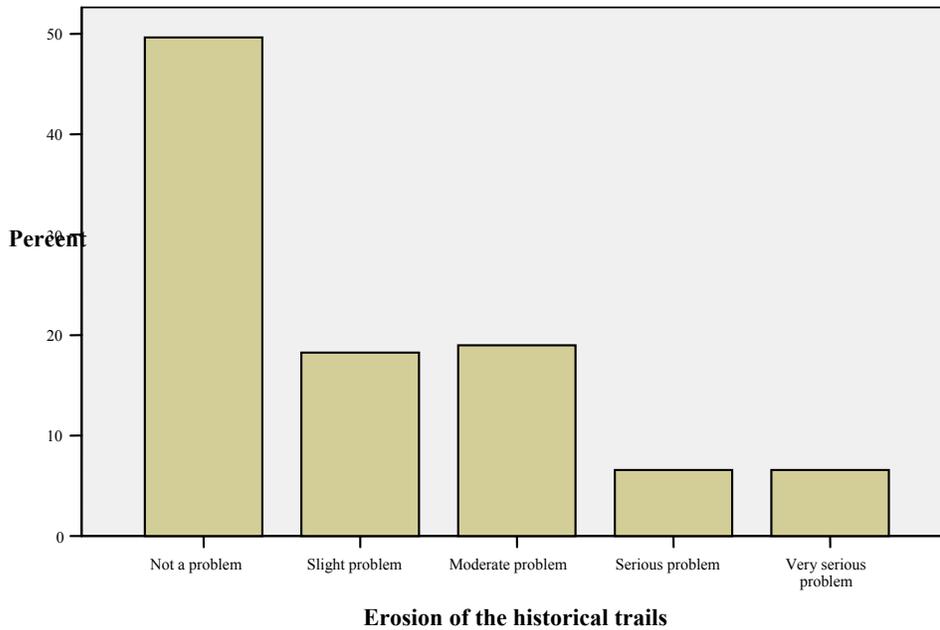
Respondents were asked to rate their perceptions of ecological and social impacts on a scale of 1 (not a problem) to 5 (very serious problem).

- 38.4% said that erosion of the historical trails was not a problem.
- Just over two thirds of respondents said that litter was not a problem or a slight problem.
- 59.9% said that conflict with other visitors was not a problem.
- 58.2% said that too many people were not a problem.
- 46.9% said that human impacts to wildlife were not a problem.
- 49.7% said that trampling/removal of vegetation was not a problem.
- Over half of respondents said that too many roads were not a problem.
- Over half of respondents said that human body waste was not a problem.
- 61% said that fire rings or charcoal was not a problem.
- Over half of respondents said that inconsiderate people were not a problem.
- 56.5% said that unregulated off-highway vehicle use was not a problem.
- Over half of respondents said that too many non-system side trails was not a problem.
- 57.1% said that unskilled people using the site was not a problem.
- Two thirds of respondents said that uncontrolled dogs were not a problem.
- 64.4% said that vandalism was not a problem.
- Over half of respondents said that widening of the historic trails was not a problem.
- 55.9% said that trash dumping was not a problem.
- Over half of respondents said that non-native or invasive plants were not a problem.
- Based on mean scores, respondents said erosion of the historical trails was a very serious or serious problem.

**Erosion of the historical trails**

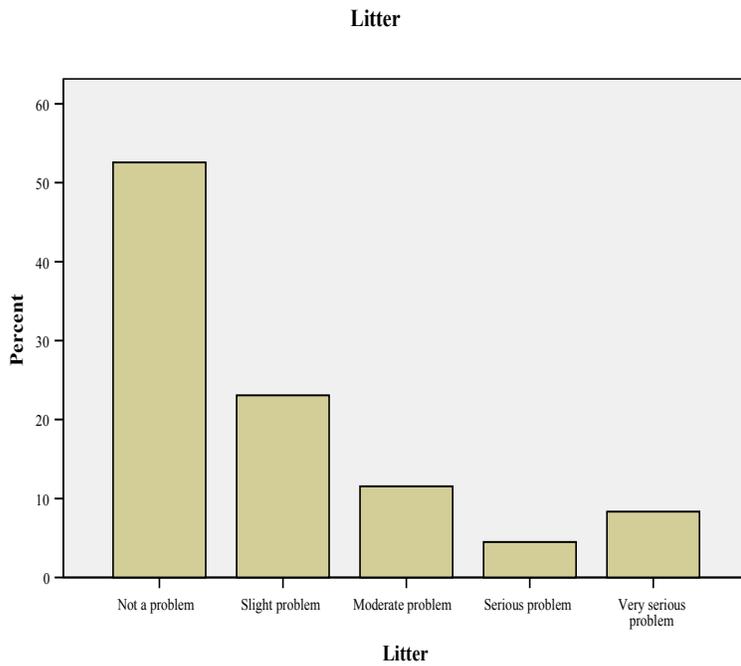
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not a problem	68	38.4	49.6	49.6
	Slight problem	25	14.1	18.2	67.9
	Moderate problem	26	14.7	19.0	86.9
	Serious problem	9	5.1	6.6	93.4
	Very serious problem	9	5.1	6.6	100.0
	Total	137	77.4	100.0	
Missing	Don't know	23	13.0		
	9.00	17	9.6		
	Total	40	22.6		
Total		177	100.0		

**Erosion of the historical trails**



**Litter**

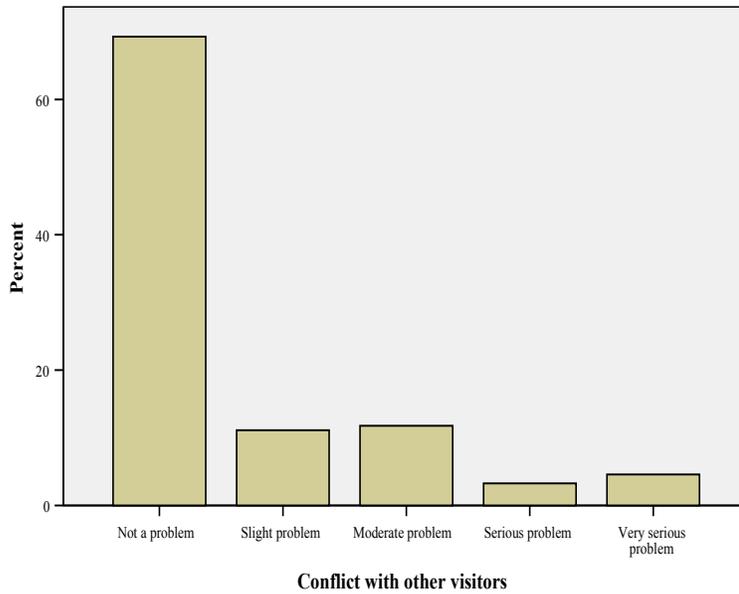
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not a problem	82	46.3	52.6	52.6
	Slight problem	36	20.3	23.1	75.6
	Moderate problem	18	10.2	11.5	87.2
	Serious problem	7	4.0	4.5	91.7
	Very serious problem	13	7.3	8.3	100.0
	Total	156	88.1	100.0	
Missing	Don't know	6	3.4		
	9.00	15	8.5		
	Total	21	11.9		
Total		177	100.0		



**Conflict with other visitors**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not a problem	106	59.9	69.3	69.3
	Slight problem	17	9.6	11.1	80.4
	Moderate problem	18	10.2	11.8	92.2
	Serious problem	5	2.8	3.3	95.4
	Very serious problem	7	4.0	4.6	100.0
	Total	153	86.4	100.0	
Missing	Don't know	5	2.8		
	9.00	19	10.7		
	Total	24	13.6		
Total		177	100.0		

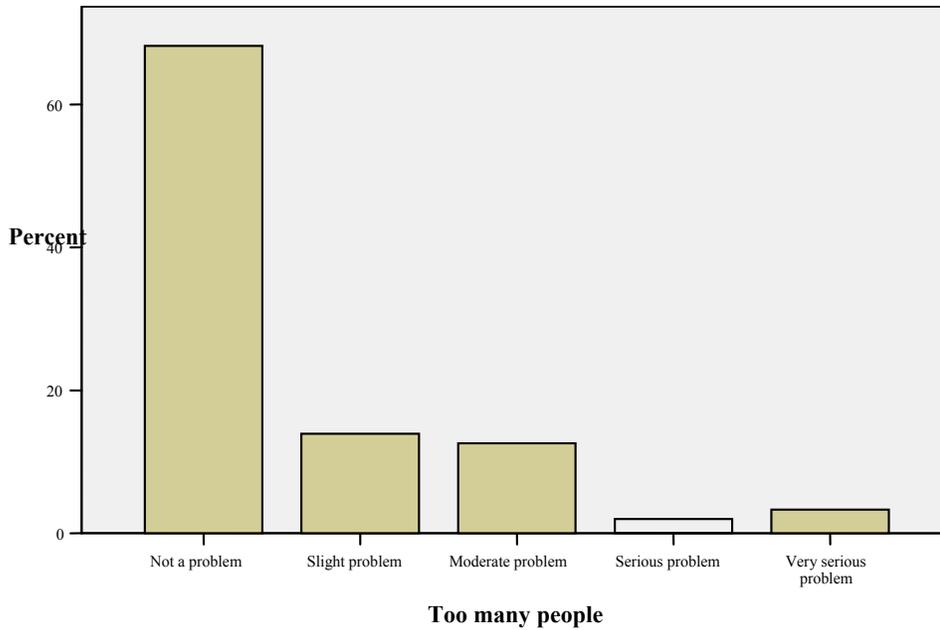
**Conflict with other visitors**



**Too many people**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not a problem	103	58.2	68.2	68.2
	Slight problem	21	11.9	13.9	82.1
	Moderate problem	19	10.7	12.6	94.7
	Serious problem	3	1.7	2.0	96.7
	Very serious problem	5	2.8	3.3	100.0
	Total	151	85.3	100.0	
Missing	Don't know	6	3.4		
	9.00	20	11.3		
	Total	26	14.7		
Total		177	100.0		

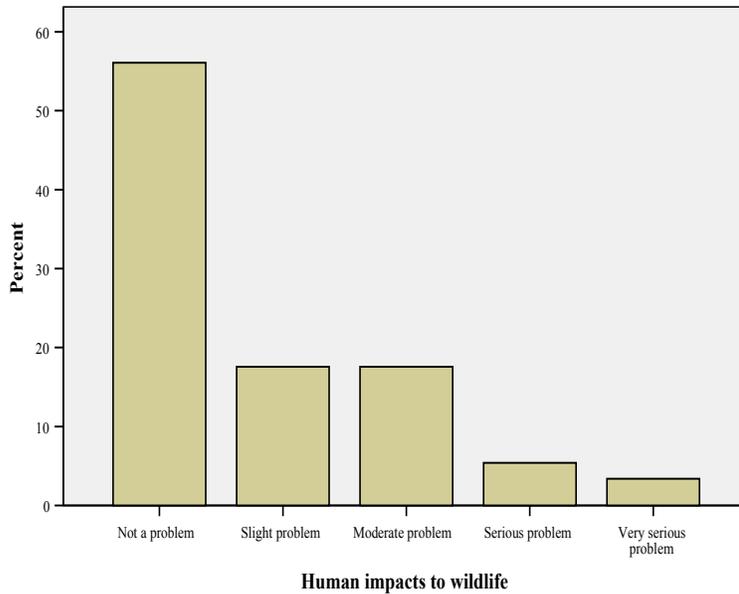
**Too many people**



**Human impacts to wildlife**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not a problem	83	46.9	56.1	56.1
	Slight problem	26	14.7	17.6	73.6
	Moderate problem	26	14.7	17.6	91.2
	Serious problem	8	4.5	5.4	96.6
	Very serious problem	5	2.8	3.4	100.0
	Total	148	83.6	100.0	
Missing	Don't know	11	6.2		
	9.00	18	10.2		
	Total	29	16.4		
Total		177	100.0		

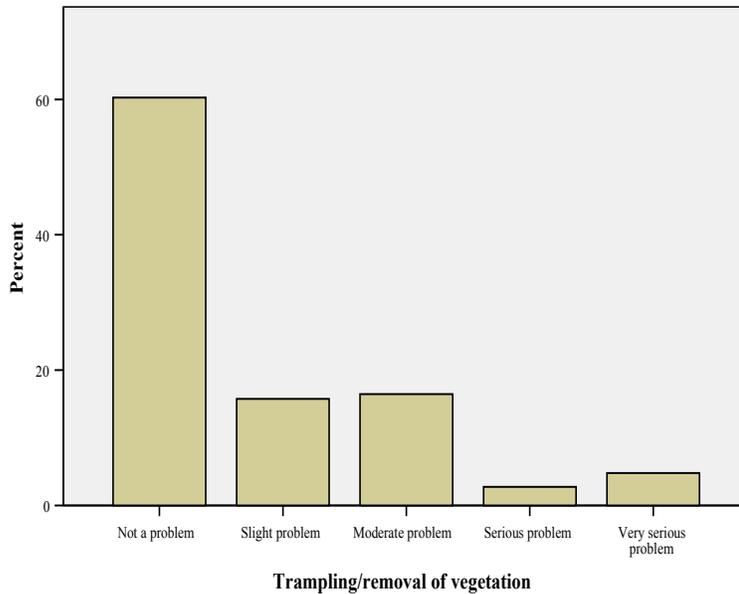
**Human impacts to wildlife**



**Trampling/removal of vegetation**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not a problem	88	49.7	60.3	60.3
	Slight problem	23	13.0	15.8	76.0
	Moderate problem	24	13.6	16.4	92.5
	Serious problem	4	2.3	2.7	95.2
	Very serious problem	7	4.0	4.8	100.0
	Total	146	82.5	100.0	
Missing	Don't know	12	6.8		
	9.00	19	10.7		
	Total	31	17.5		
Total		177	100.0		

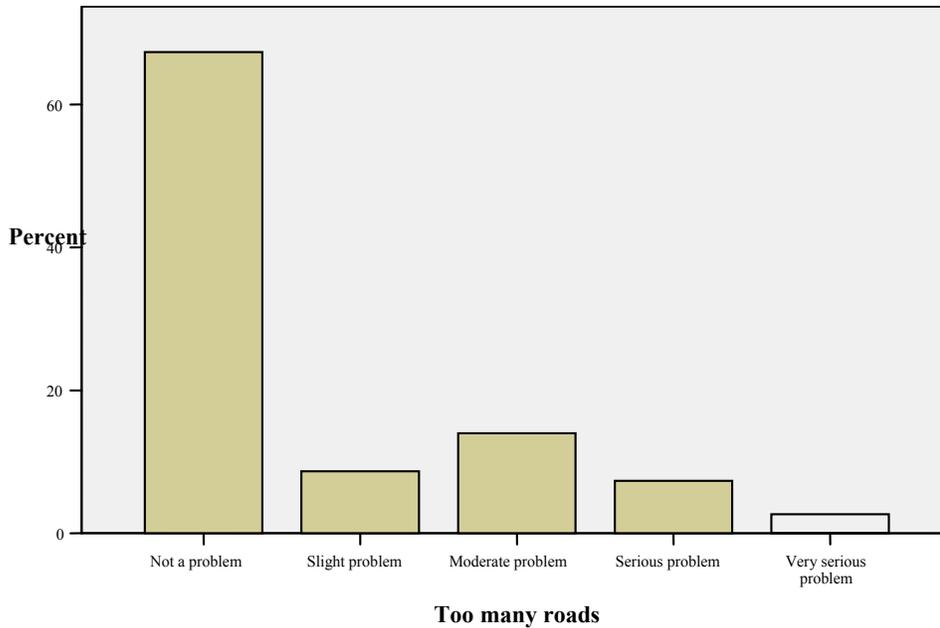
Trampling/removal of vegetation



**Too many roads**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not a problem	101	57.1	67.3	67.3
	Slight problem	13	7.3	8.7	76.0
	Moderate problem	21	11.9	14.0	90.0
	Serious problem	11	6.2	7.3	97.3
	Very serious problem	4	2.3	2.7	100.0
	Total	150	84.7	100.0	
Missing	Don't know	9	5.1		
	9.00	18	10.2		
	Total	27	15.3		
Total		177	100.0		

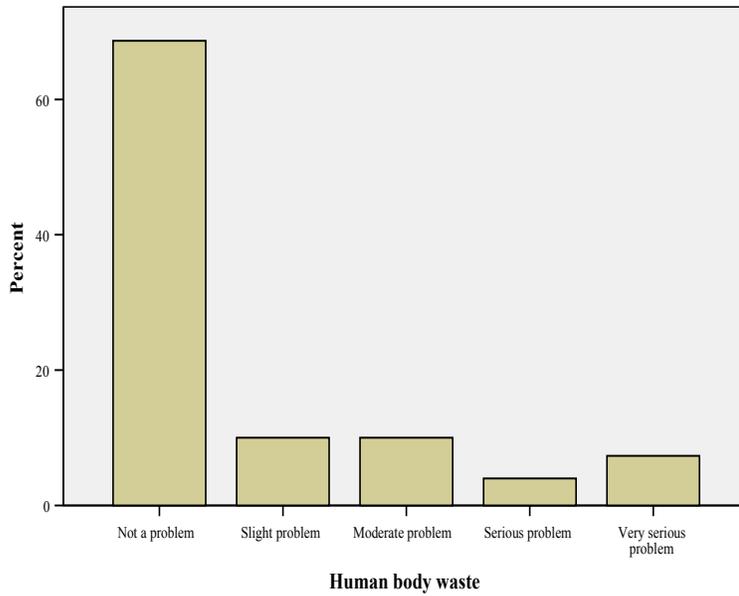
**Too many roads**



**Human body waste**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not a problem	103	58.2	68.7	68.7
	Slight problem	15	8.5	10.0	78.7
	Moderate problem	15	8.5	10.0	88.7
	Serious problem	6	3.4	4.0	92.7
	Very serious problem	11	6.2	7.3	100.0
	Total	150	84.7	100.0	
Missing	Don't know	7	4.0		
	9.00	20	11.3		
	Total	27	15.3		
Total		177	100.0		

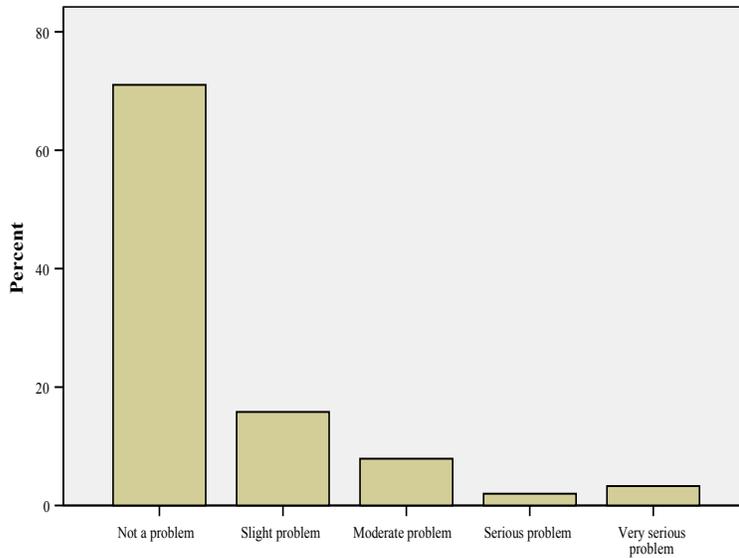
**Human body waste**



**Fire rings or charcoal**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not a problem	108	61.0	71.1	71.1
	Slight problem	24	13.6	15.8	86.8
	Moderate problem	12	6.8	7.9	94.7
	Serious problem	3	1.7	2.0	96.7
	Very serious problem	5	2.8	3.3	100.0
	Total	152	85.9	100.0	
Missing	Don't know	7	4.0		
	9.00	18	10.2		
	Total	25	14.1		
Total		177	100.0		

**Fire rings or charcoal**

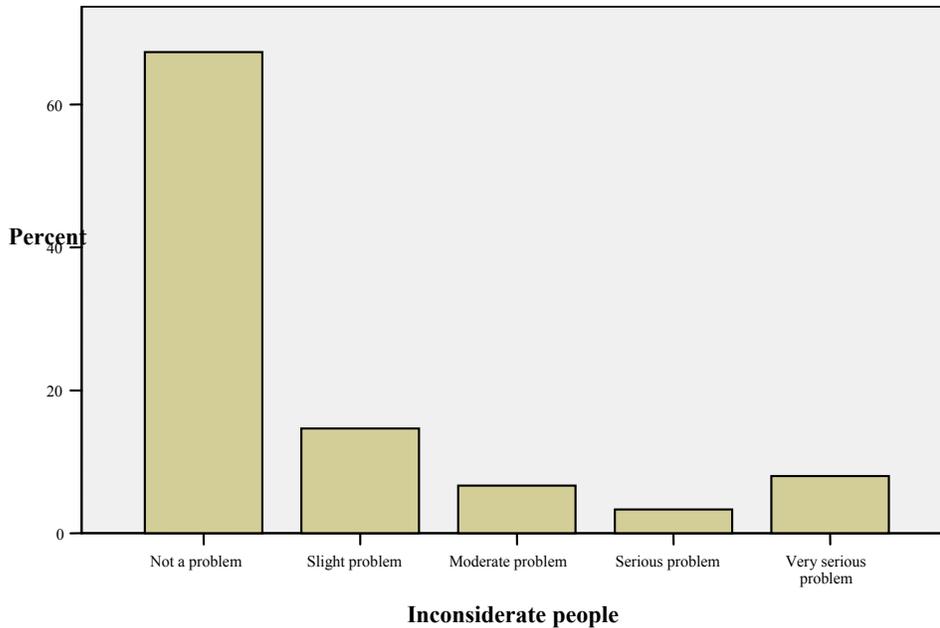


**Fire rings or charcoal**

**Inconsiderate people**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not a problem	101	57.1	67.3	67.3
	Slight problem	22	12.4	14.7	82.0
	Moderate problem	10	5.6	6.7	88.7
	Serious problem	5	2.8	3.3	92.0
	Very serious problem	12	6.8	8.0	100.0
	Total	150	84.7	100.0	
Missing	Don't know	10	5.6		
	9.00	17	9.6		
	Total	27	15.3		
Total		177	100.0		

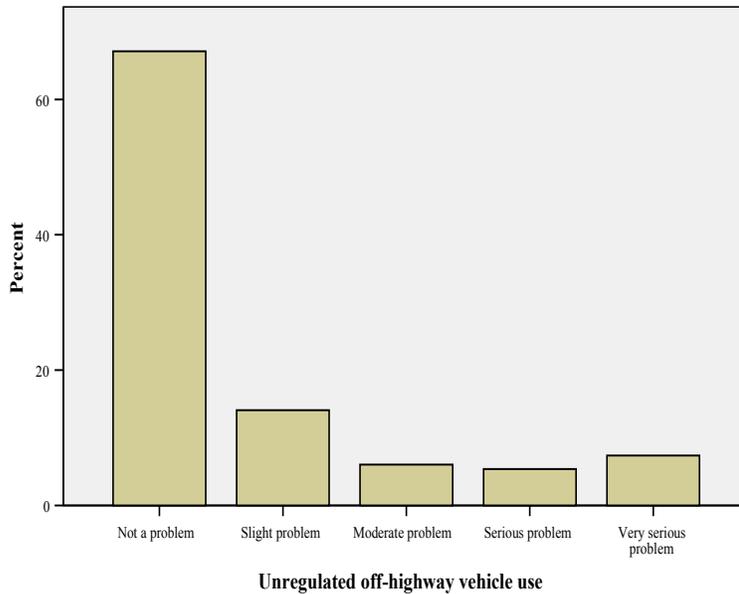
**Inconsiderate people**



**Unregulated off-highway vehicle use**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not a problem	100	56.5	67.1	67.1
	Slight problem	21	11.9	14.1	81.2
	Moderate problem	9	5.1	6.0	87.2
	Serious problem	8	4.5	5.4	92.6
	Very serious problem	11	6.2	7.4	100.0
	Total	149	84.2	100.0	
Missing	Don't know	11	6.2		
	9.00	17	9.6		
	Total	28	15.8		
Total		177	100.0		

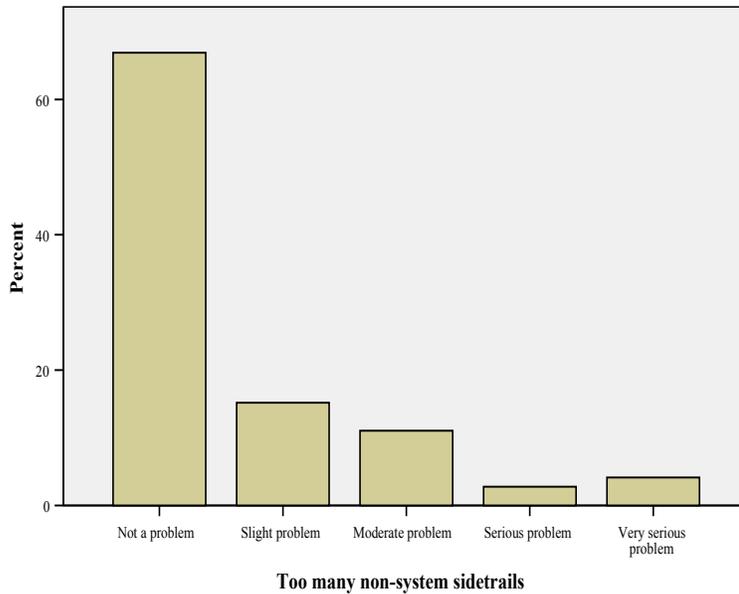
Unregulated off-highway vehicle use



**Too many non-system side trails**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not a problem	97	54.8	66.9	66.9
	Slight problem	22	12.4	15.2	82.1
	Moderate problem	16	9.0	11.0	93.1
	Serious problem	4	2.3	2.8	95.9
	Very serious problem	6	3.4	4.1	100.0
	Total	145	81.9	100.0	
Missing	Don't know	14	7.9		
	9.00	18	10.2		
	Total	32	18.1		
Total		177	100.0		

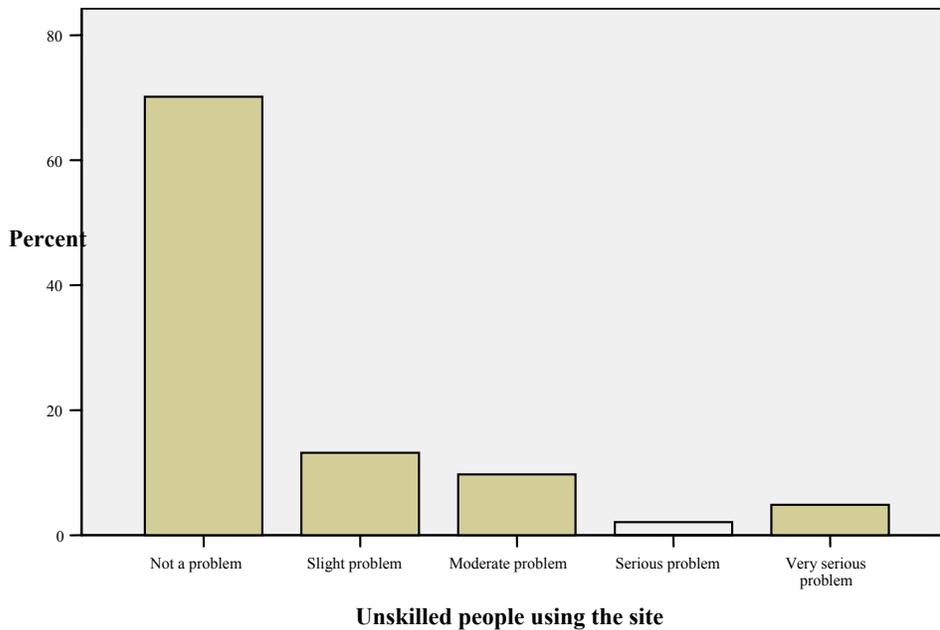
**Too many non-system sidetrails**



**Unskilled people using the site**

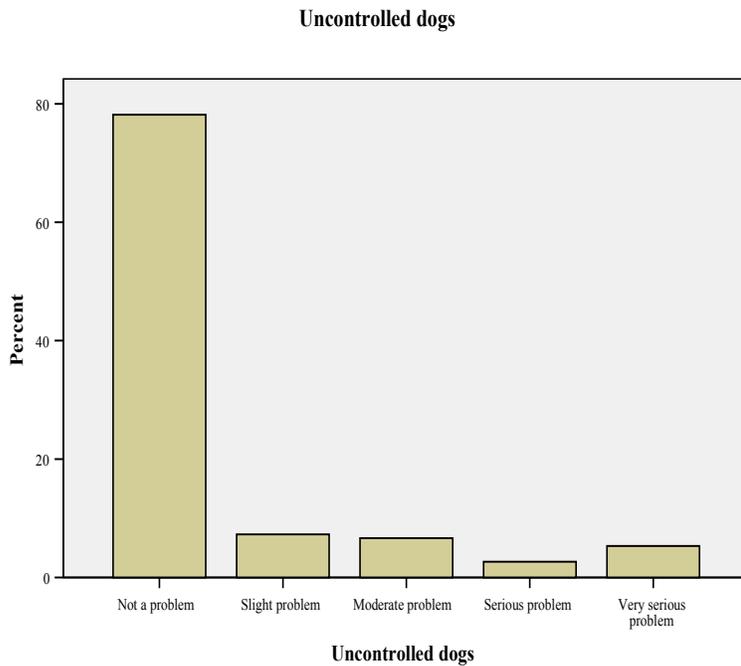
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not a problem	101	57.1	70.1	70.1
	Slight problem	19	10.7	13.2	83.3
	Moderate problem	14	7.9	9.7	93.1
	Serious problem	3	1.7	2.1	95.1
	Very serious problem	7	4.0	4.9	100.0
	Total	144	81.4	100.0	
Missing	Don't know	14	7.9		
	9.00	19	10.7		
	Total	33	18.6		
Total		177	100.0		

**Unskilled people using the site**



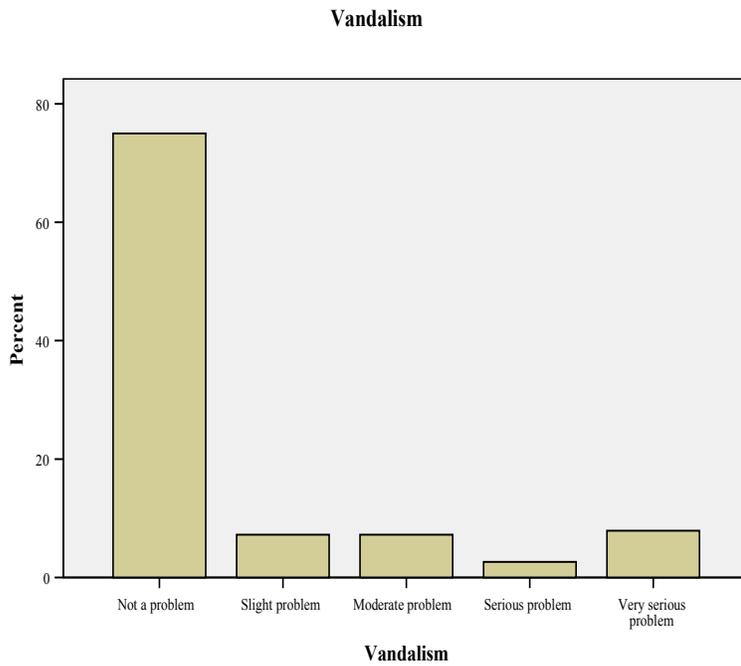
**Uncontrolled dogs**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not a problem	118	66.7	78.1	78.1
	Slight problem	11	6.2	7.3	85.4
	Moderate problem	10	5.6	6.6	92.1
	Serious problem	4	2.3	2.6	94.7
	Very serious problem	8	4.5	5.3	100.0
	Total	151	85.3	100.0	
Missing	Don't know	9	5.1		
	9.00	17	9.6		
	Total	26	14.7		
Total		177	100.0		



**Vandalism**

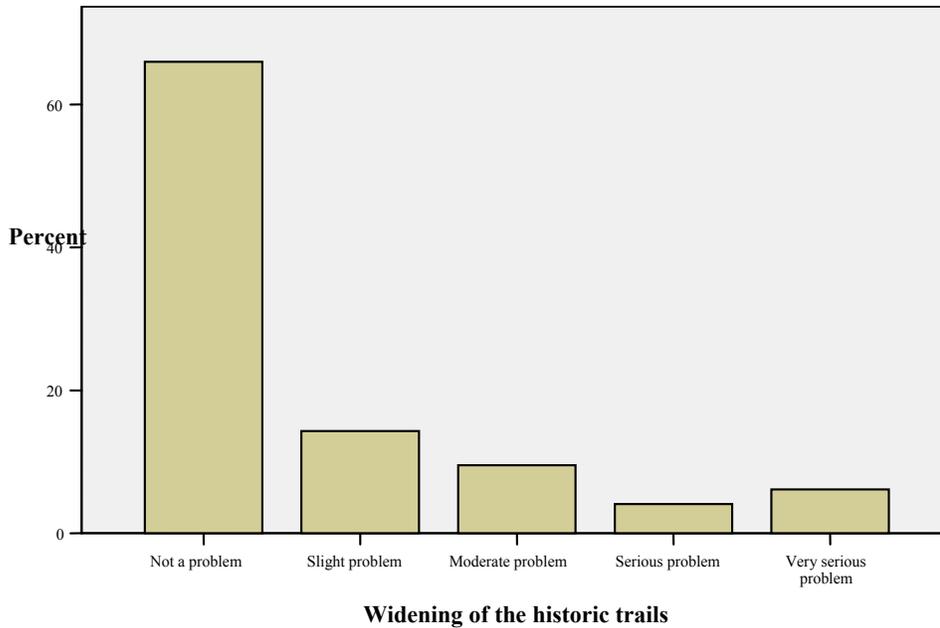
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not a problem	114	64.4	75.0	75.0
	Slight problem	11	6.2	7.2	82.2
	Moderate problem	11	6.2	7.2	89.5
	Serious problem	4	2.3	2.6	92.1
	Very serious problem	12	6.8	7.9	100.0
	Total	152	85.9	100.0	
Missing	Don't know	7	4.0		
	9.00	18	10.2		
	Total	25	14.1		
Total		177	100.0		



**Widening of the historic trails**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not a problem	97	54.8	66.0	66.0
	Slight problem	21	11.9	14.3	80.3
	Moderate problem	14	7.9	9.5	89.8
	Serious problem	6	3.4	4.1	93.9
	Very serious problem	9	5.1	6.1	100.0
	Total	147	83.1	100.0	
Missing	Don't know	11	6.2		
	9.00	19	10.7		
	Total	30	16.9		
Total		177	100.0		

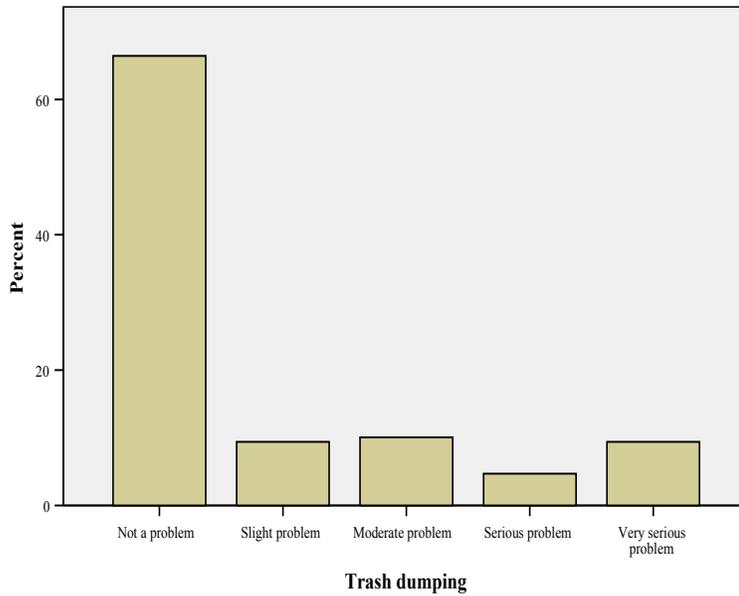
**Widening of the historic trails**



**Trash dumping**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not a problem	99	55.9	66.4	66.4
	Slight problem	14	7.9	9.4	75.8
	Moderate problem	15	8.5	10.1	85.9
	Serious problem	7	4.0	4.7	90.6
	Very serious problem	14	7.9	9.4	100.0
	Total	149	84.2	100.0	
Missing	Don't know	10	5.6		
	9.00	18	10.2		
	Total	28	15.8		
Total		177	100.0		

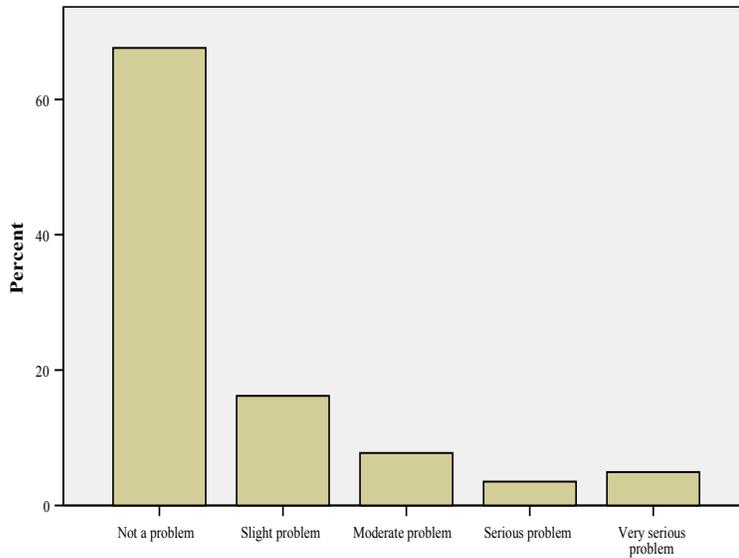
**Trash dumping**



**Non-native or invasive plants**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not a problem	96	54.2	67.6	67.6
	Slight problem	23	13.0	16.2	83.8
	Moderate problem	11	6.2	7.7	91.5
	Serious problem	5	2.8	3.5	95.1
	Very serious problem	7	4.0	4.9	100.0
	Total	142	80.2	100.0	
Missing	Don't know	17	9.6		
	9.00	18	10.2		
	Total	35	19.8		
Total		177	100.0		

**Non-native or invasive plants**



**Non-native or invasive plants**

**Perceptions of social and ecological impacts**

	N	Mean	Std. Deviation
Erosion of the historical trails	137	2.02	1.25
Litter	156	1.93	1.26
Conflict with other visitors	153	1.63	1.11
Too many people	151	1.58	1.01
Human impacts to wildlife	148	1.82	1.11
Trampling/removal of vegetation	146	1.76	1.12
Too many roads	150	1.69	1.12
Human body waste	150	1.71	1.24
Fire rings or charcoal	152	1.51	0.96
Inconsiderate people	150	1.70	1.23
Unregulated off-highway vehicle use	149	1.72	1.24
Too many non-system side trails	145	1.62	1.06
Unskilled people using the site	144	1.58	1.07
Uncontrolled dogs	151	1.50	1.09
Vandalism	152	1.61	1.22
Widening of the historic trails	147	1.70	1.18
Trash dumping	149	1.81	1.33
Non-native or invasive plants	142	1.62	1.10
Valid N (listwise)	104		

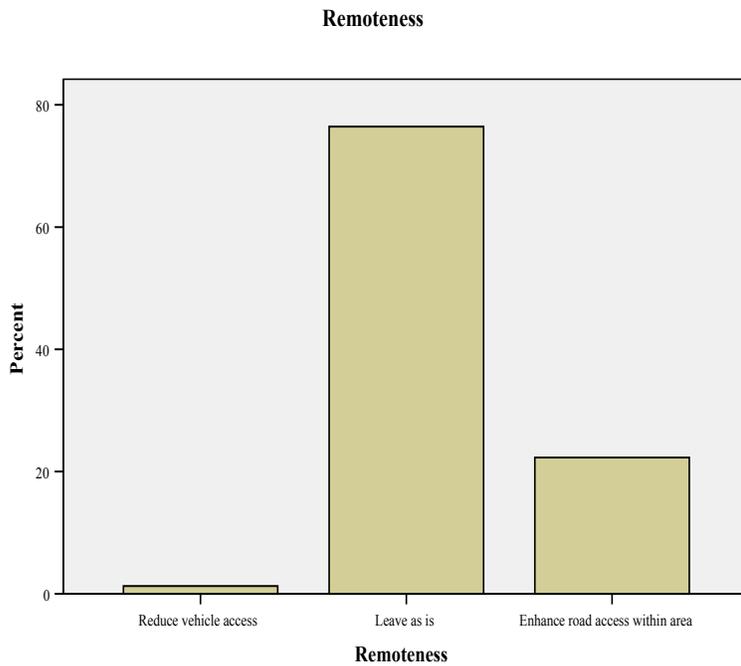
## **Preferences for Future Management**

Respondents were asked about their preferences for future management of the Wyoming National Historic Trails. Respondents rated their preferences on an ordinal scale from 1 (reduce) to 3 (increase).

- Two thirds of respondents said leave as is for the vehicle access to the area.
- Just over two thirds of respondents said leave as is for the natural condition of the area.
- 59.9% said leave as is for the facilities in the area.
- 57.15% said leave as is for the amount of visitor information provided.
- Just over half of respondents said leave as is for the amount of use in the area.
- 59.9% said leave as is for the motorized use in the area.
- Just over half of respondents said leave as is for the facility maintenance in the area.

**Remoteness**

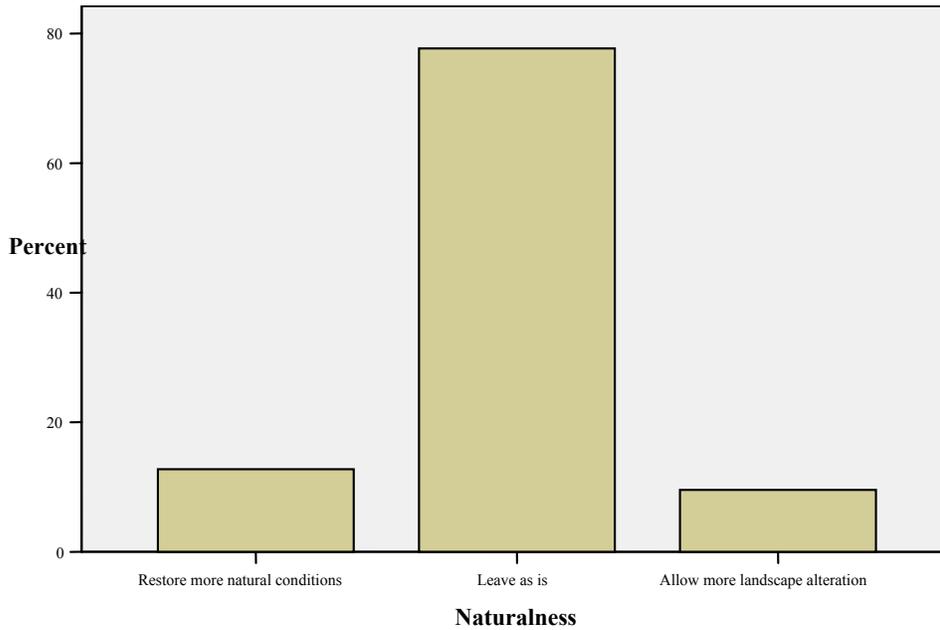
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Reduce vehicle access	2	1.1	1.3	1.3
	Leave as is	120	67.8	76.4	77.7
	Enhance road access within area	35	19.8	22.3	100.0
	Total	157	88.7	100.0	
Missing	9.00	20	11.3		
Total		177	100.0		



**Naturalness**

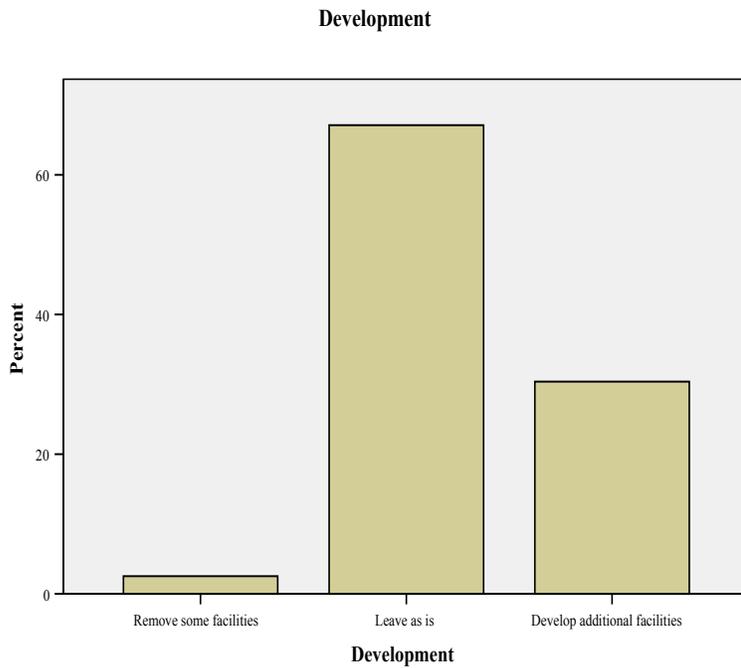
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Restore more natural conditions	20	11.3	12.7	12.7
	Leave as is	122	68.9	77.7	90.4
	Allow more landscape alteration	15	8.5	9.6	100.0
	Total	157	88.7	100.0	
Missing	9.00	20	11.3		
Total		177	100.0		

**Naturalness**



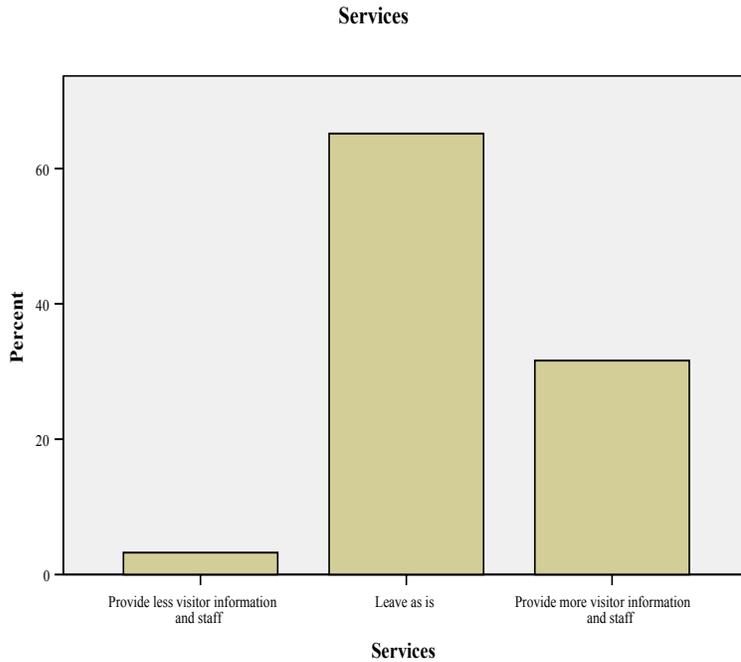
**Development**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Remove some facilities	4	2.3	2.5	2.5
	Leave as is	106	59.9	67.1	69.6
	Develop additional facilities	48	27.1	30.4	100.0
	Total	158	89.3	100.0	
Missing	9.00	19	10.7		
Total		177	100.0		



**Services**

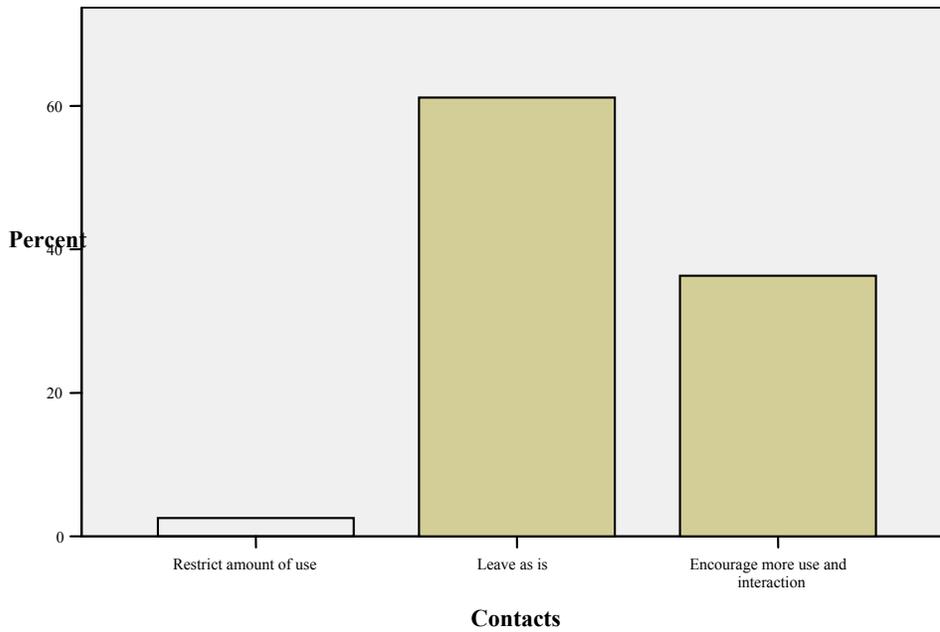
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Provide less visitor information and staff	5	2.8	3.2	3.2
	Leave as is	101	57.1	65.2	68.4
	Provide more visitor information and staff	49	27.7	31.6	100.0
	Total	155	87.6	100.0	
Missing	9.00	22	12.4		
Total		177	100.0		



**Contacts**

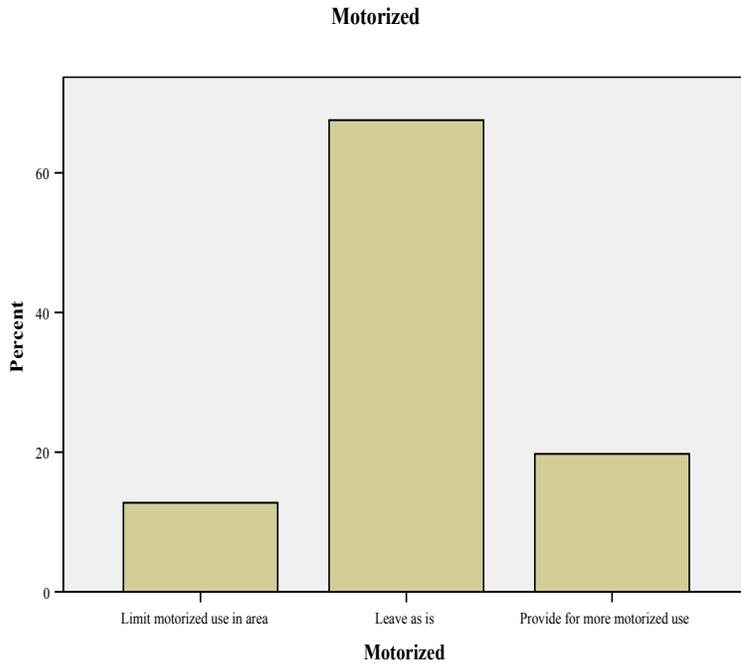
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Restrict amount of use	4	2.3	2.5	2.5
	Leave as is	96	54.2	61.1	63.7
	Encourage more use and interaction	57	32.2	36.3	100.0
	Total	157	88.7	100.0	
Missing	9.00	20	11.3		
	Total	177	100.0		

**Contacts**



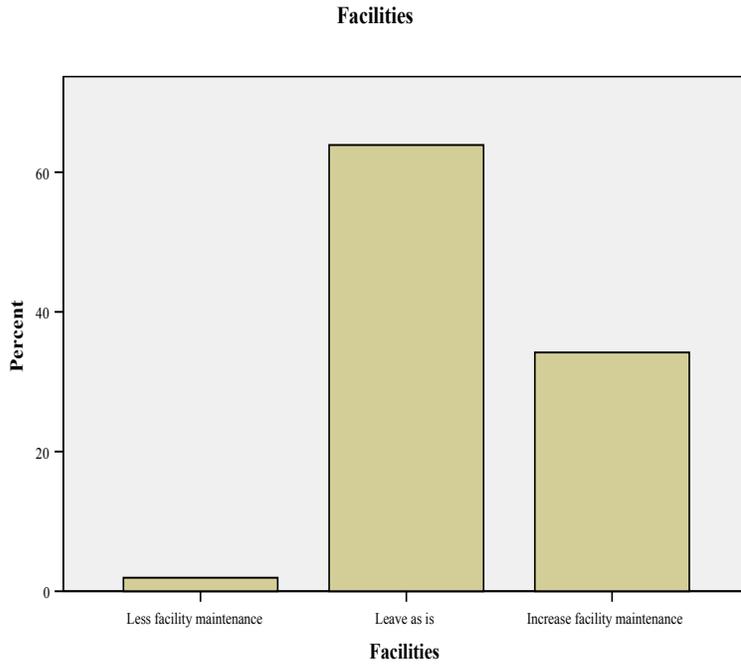
**Motorized**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Limit motorized use in area	20	11.3	12.7	12.7
	Leave as is	106	59.9	67.5	80.3
	Provide for more motorized use	31	17.5	19.7	100.0
	Total	157	88.7	100.0	
Missing	9.00	20	11.3		
	Total	177	100.0		



**Facilities**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Less facility maintenance	3	1.7	1.9	1.9
	Leave as is	99	55.9	63.9	65.8
	Increase facility maintenance	53	29.9	34.2	100.0
	Total	155	87.6	100.0	
Missing	9.00	22	12.4		
Total		177	100.0		



## Perceptions of Importance of Benefits

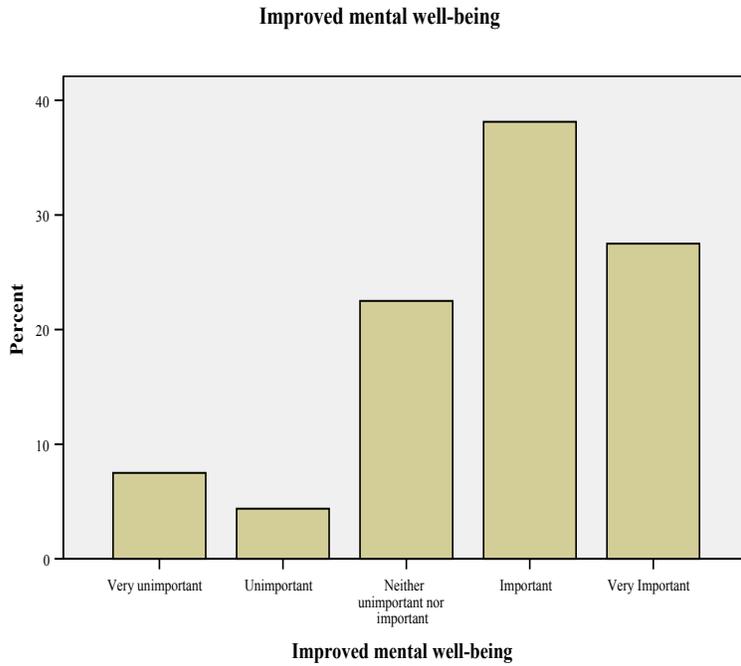
Improved mental well-being was considered an important benefit by 34.5% of respondents.

- Greater self-reliance was considered an important benefit by 38.4% of respondents.
- Confirmation/development of my own values was considered a very important benefit by 35.6% of respondents.
- Improved skills for outdoor enjoyment were considered an important benefit by 36.7% of respondents.
- Over half of respondents considered greater spiritual growth a very important benefit.
- Increased understanding and tolerance of others was considered a very important benefit by 35.6% of respondents.
- Heightened awareness of the natural world was considered an important benefit by 35.6% of respondents.
- Improved ability to relate to local cultures was considered an important benefit by 32.8% of respondents.
- Over half of respondents said that a deeper understanding of history was a very important benefit.
- Greater personal enrichment through involvement with other people was considered an important benefit by 36.2% of respondents.
- Just under half of respondents said that stronger ties with family and friends was a very important benefit.
- Community involvement in recreation and land use decisions was considered an important benefit by 38.4% of respondents.
- Half of respondents said that opportunities for youth was a very important benefit.
- Improved family bonding was considered a very important benefit by 44.1% of respondents.
- Recreation for local communities was considered an important benefit by 41.8% of respondents.
- Increased work productivity was considered an important benefit by 28.8% and a very important benefit by 16.9% of respondents.
- Contribution to local economies was considered an important benefit by 28.8% and a very important benefit by 21.5% of respondents.
- Just under half of respondents said that appreciation of cultural histories was a very important benefit.
- Just under half of respondents said that protection of cultural sites was a very important benefit.
- Greater awareness that this community is a special place was considered a very important benefit by 46.9% of respondents.

- Maintenance of a distinctive historical recreation setting was considered a very important benefit by 45.8% of respondents.
- Respect for private property was considered a very important benefit by 43.5% of respondents.
- Based on mean scores, respondents said that greater spiritual growth, opportunities for youth, and appreciation of cultural histories were the most important benefits of the Wyoming Historic Trails.

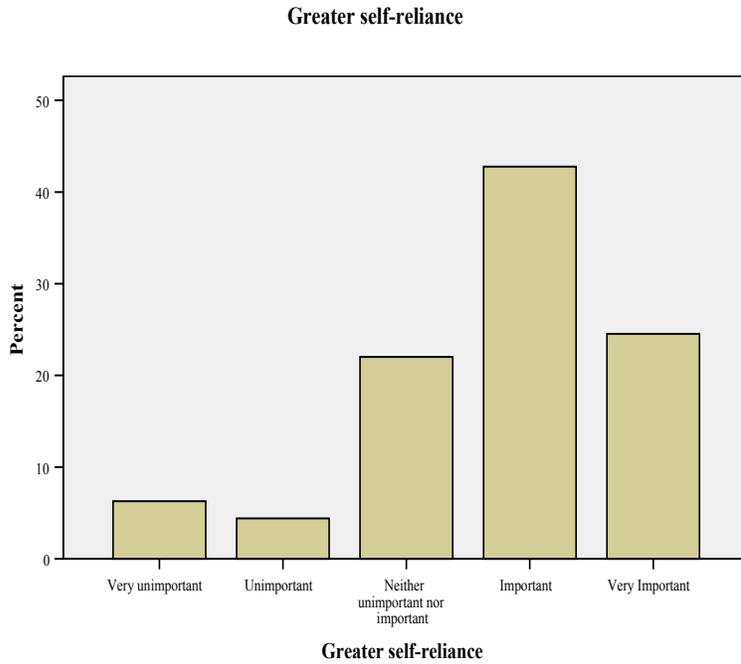
**Improved mental well-being**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	12	6.8	7.5	7.5
	Unimportant	7	4.0	4.4	11.9
	Neither unimportant nor important	36	20.3	22.5	34.4
	Important	61	34.5	38.1	72.5
	Very Important	44	24.9	27.5	100.0
	Total	160	90.4	100.0	
Missing	9.00	17	9.6		
Total		177	100.0		



**Greater self-reliance**

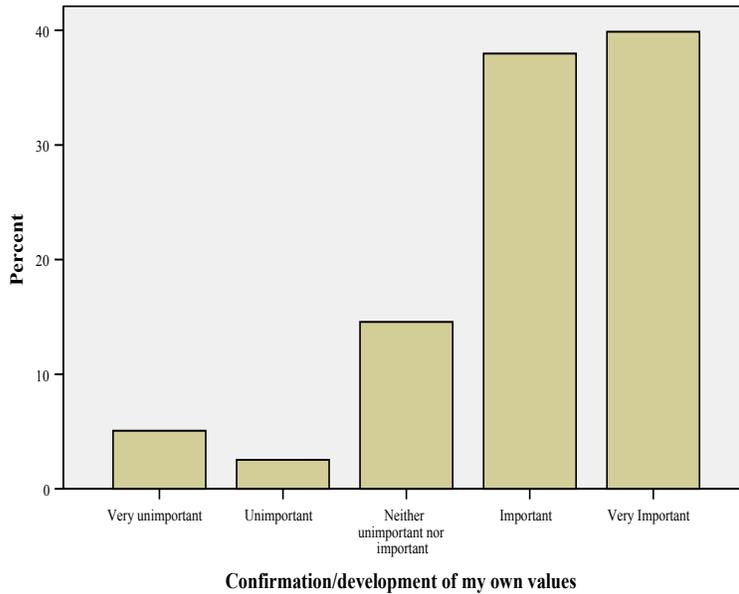
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	10	5.6	6.3	6.3
	Unimportant	7	4.0	4.4	10.7
	Neither unimportant nor important	35	19.8	22.0	32.7
	Important	68	38.4	42.8	75.5
	Very Important	39	22.0	24.5	100.0
	Total	159	89.8	100.0	
Missing	9.00	18	10.2		
Total		177	100.0		



**Confirmation/development of my own values**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	8	4.5	5.1	5.1
	Unimportant	4	2.3	2.5	7.6
	Neither unimportant nor important	23	13.0	14.6	22.2
	Important	60	33.9	38.0	60.1
	Very Important	63	35.6	39.9	100.0
Total		158	89.3	100.0	
Missing	9.00	19	10.7		
Total		177	100.0		

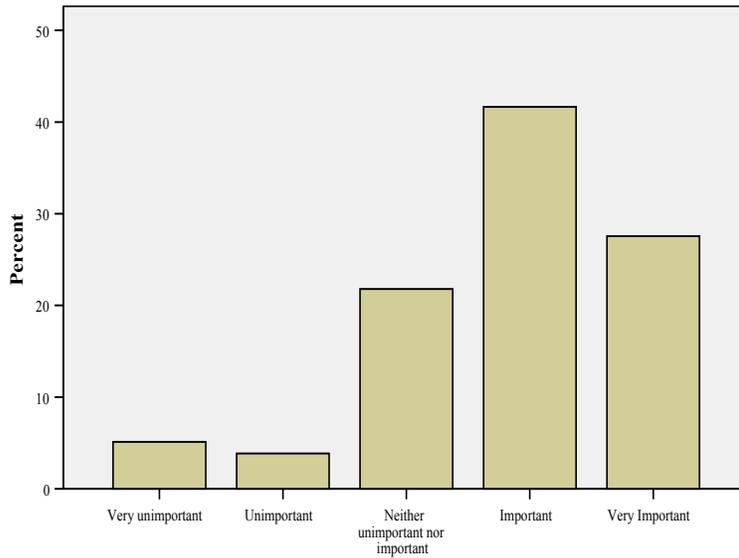
Confirmation/development of my own values



**Improved skills for outdoor enjoyment**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	8	4.5	5.1	5.1
	Unimportant	6	3.4	3.8	9.0
	Neither unimportant nor important	34	19.2	21.8	30.8
	Important	65	36.7	41.7	72.4
	Very Important	43	24.3	27.6	100.0
	Total	156	88.1	100.0	
Missing	9.00	21	11.9		
Total		177	100.0		

**Improved skills for outdoor enjoyment**

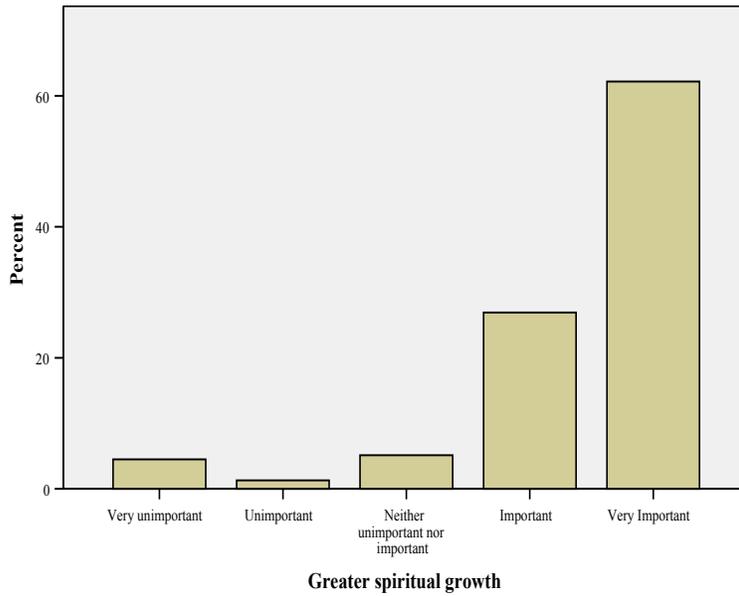


**Improved skills for outdoor enjoyment**

**Greater spiritual growth**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	7	4.0	4.5	4.5
	Unimportant	2	1.1	1.3	5.8
	Neither unimportant nor important	8	4.5	5.1	10.9
	Important	42	23.7	26.9	37.8
	Very Important	97	54.8	62.2	100.0
	Total	156	88.1	100.0	
Missing	9.00	21	11.9		
Total		177	100.0		

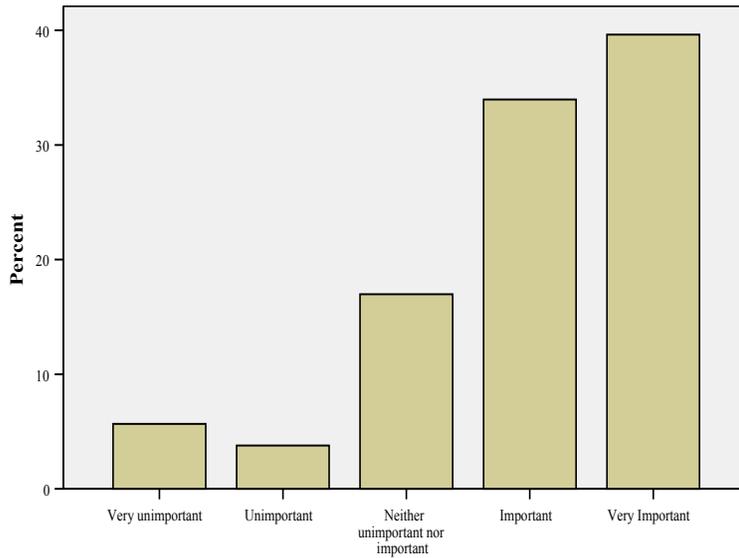
Greater spiritual growth



**Increased understanding and tolerance of others**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	9	5.1	5.7	5.7
	Unimportant	6	3.4	3.8	9.4
	Neither unimportant nor important	27	15.3	17.0	26.4
	Important	54	30.5	34.0	60.4
	Very Important	63	35.6	39.6	100.0
	Total	159	89.8	100.0	
Missing	9.00	18	10.2		
Total		177	100.0		

**Increased understanding and tolerance of others**

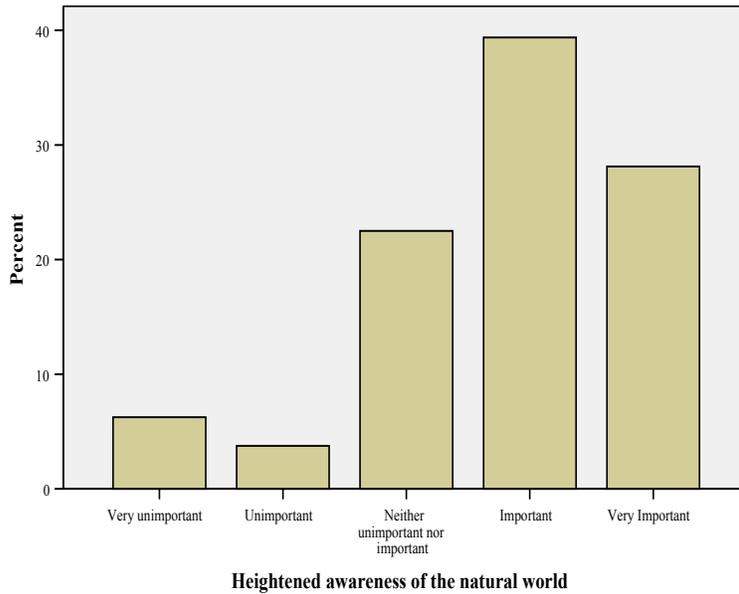


**Increased understanding and tolerance of others**

**Heightened awareness of the natural world**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	10	5.6	6.3	6.3
	Unimportant	6	3.4	3.8	10.0
	Neither unimportant nor important	36	20.3	22.5	32.5
	Important	63	35.6	39.4	71.9
	Very Important	45	25.4	28.1	100.0
	Total	160	90.4	100.0	
Missing	9.00	17	9.6		
Total		177	100.0		

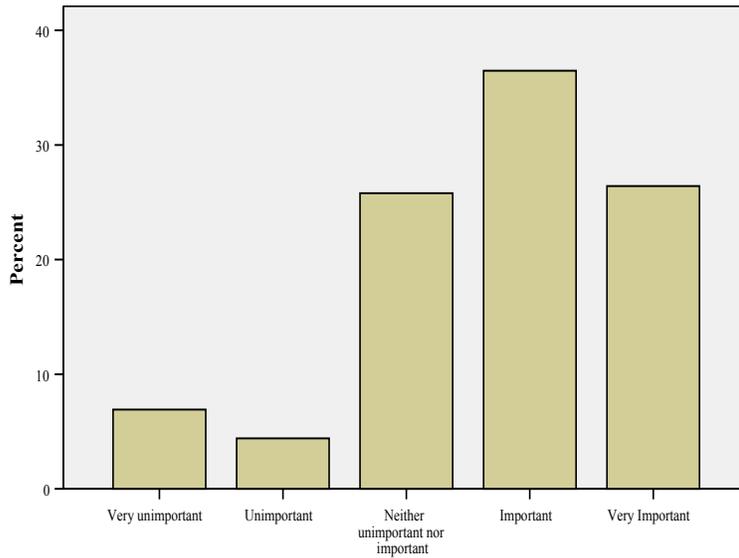
Heightened awareness of the natural world



**Improved ability to relate to local cultures**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	11	6.2	6.9	6.9
	Unimportant	7	4.0	4.4	11.3
	Neither unimportant nor important	41	23.2	25.8	37.1
	Important	58	32.8	36.5	73.6
	Very Important	42	23.7	26.4	100.0
	Total	159	89.8	100.0	
Missing	9.00	18	10.2		
Total		177	100.0		

**Improved ability to relate to local cultures**

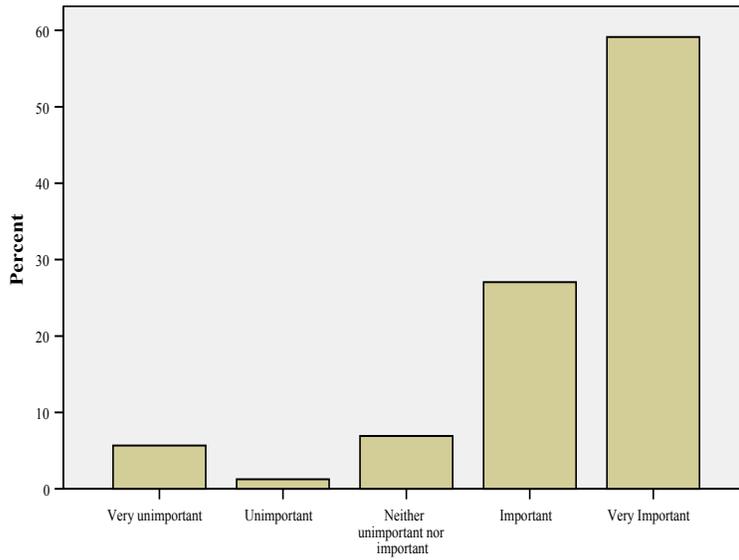


**Improved ability to relate to local cultures**

**A deeper understanding of history**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	9	5.1	5.7	5.7
	Unimportant	2	1.1	1.3	6.9
	Neither unimportant nor important	11	6.2	6.9	13.8
	Important	43	24.3	27.0	40.9
	Very Important	94	53.1	59.1	100.0
	Total	159	89.8	100.0	
Missing	9.00	18	10.2		
Total		177	100.0		

**A deeper understanding of history**

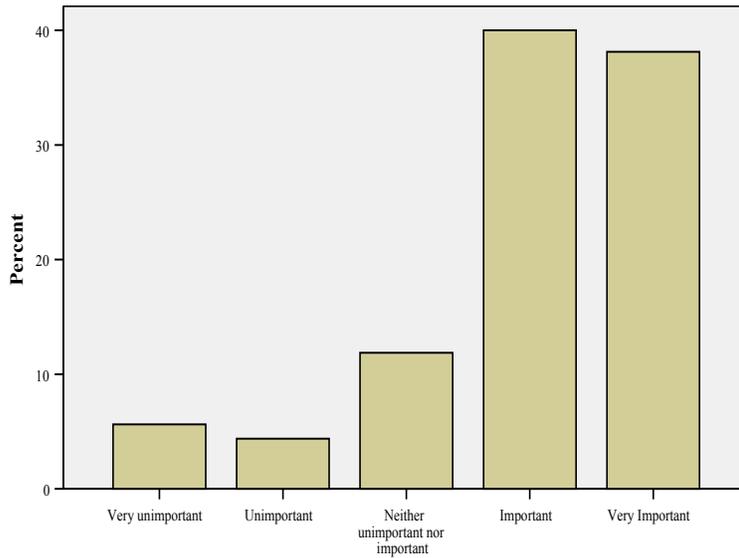


**A deeper understanding of history**

**Greater personal enrichment through involvement with other people**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	9	5.1	5.6	5.6
	Unimportant	7	4.0	4.4	10.0
	Neither unimportant nor important	19	10.7	11.9	21.9
	Important	64	36.2	40.0	61.9
	Very Important	61	34.5	38.1	100.0
	Total	160	90.4	100.0	
Missing	9.00	17	9.6		
Total		177	100.0		

**Greater personal enrichment through involvement with other people**

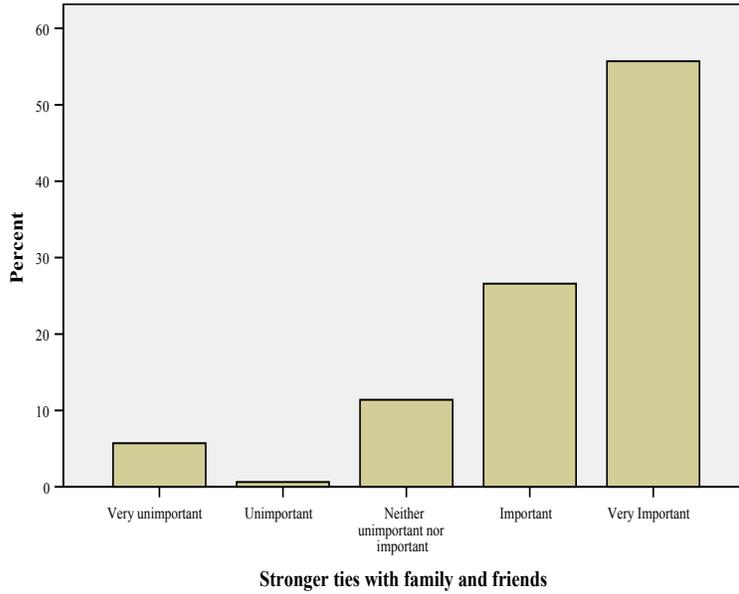


**Greater personal enrichment through involvement with other people**

**Stronger ties with family and friends**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	9	5.1	5.7	5.7
	Unimportant	1	.6	.6	6.3
	Neither unimportant nor important	18	10.2	11.4	17.7
	Important	42	23.7	26.6	44.3
	Very Important	88	49.7	55.7	100.0
	Total	158	89.3	100.0	
Missing	9.00	19	10.7		
Total		177	100.0		

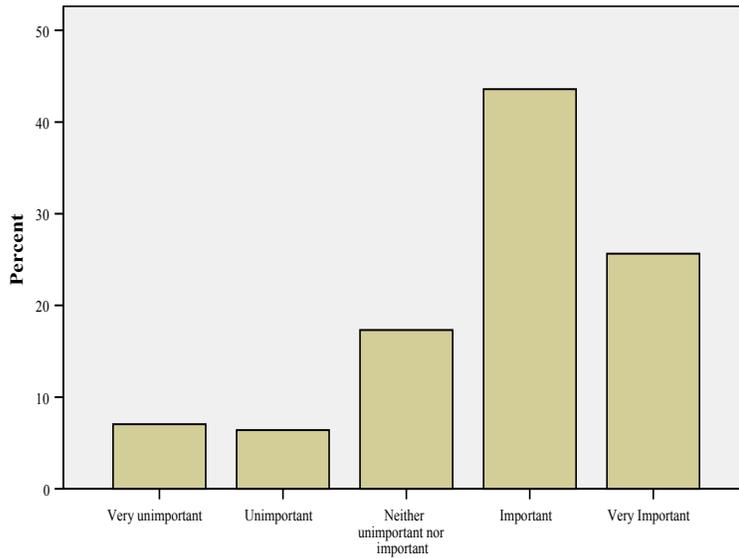
**Stronger ties with family and friends**



**Community involvement in recreation and land use decisions**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	11	6.2	7.1	7.1
	Unimportant	10	5.6	6.4	13.5
	Neither unimportant nor important	27	15.3	17.3	30.8
	Important	68	38.4	43.6	74.4
	Very Important	40	22.6	25.6	100.0
	Total	156	88.1	100.0	
Missing	9.00	21	11.9		
Total		177	100.0		

Community involvement in recreation and land use decisions

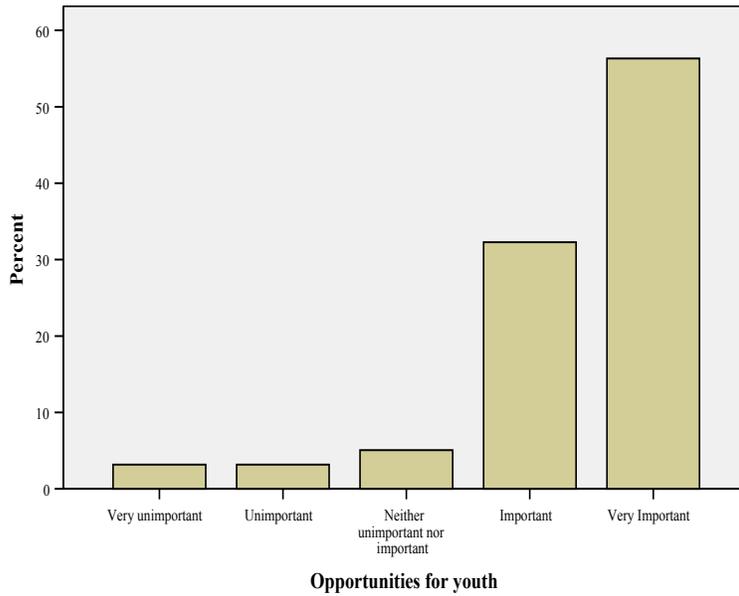


Community involvement in recreation and land use decisions

**Opportunities for youth**

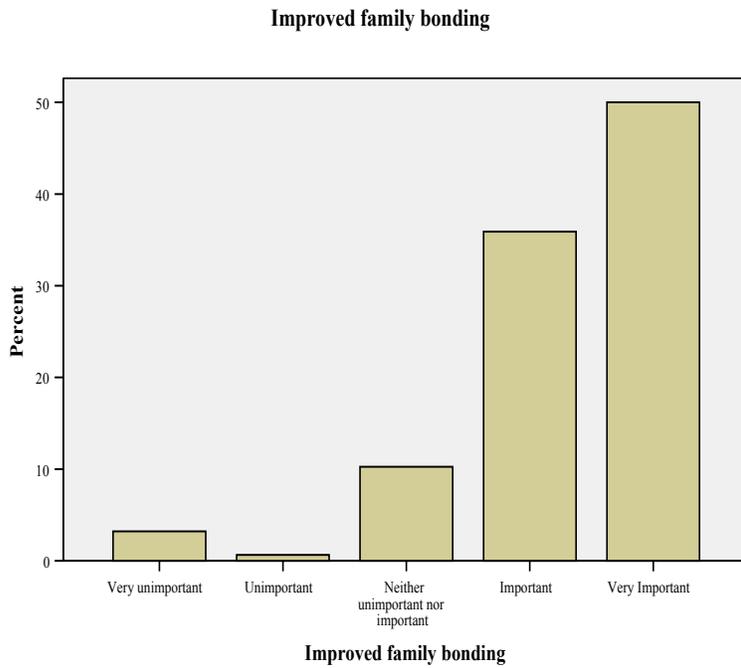
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	5	2.8	3.2	3.2
	Unimportant	5	2.8	3.2	6.3
	Neither unimportant nor important	8	4.5	5.1	11.4
	Important	51	28.8	32.3	43.7
	Very Important	89	50.3	56.3	100.0
	Total	158	89.3	100.0	
Missing	9.00	19	10.7		
Total		177	100.0		

**Opportunities for youth**



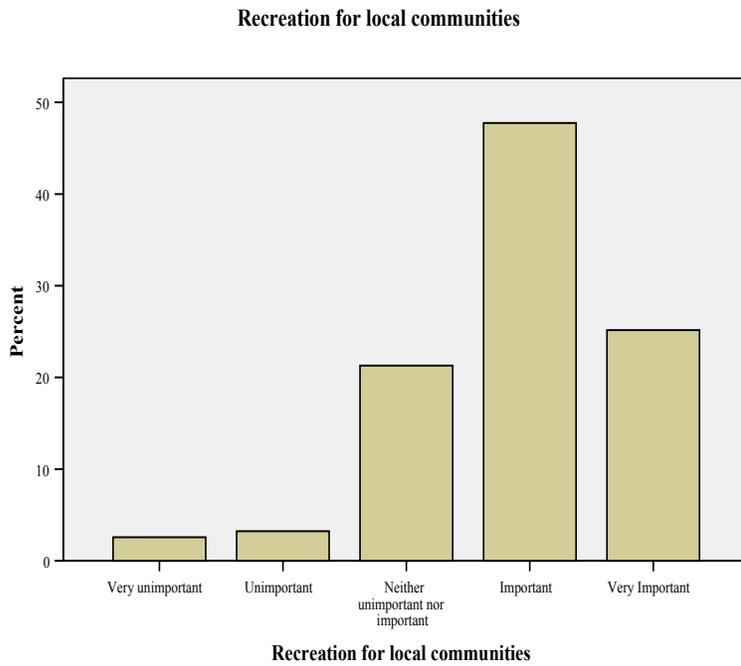
**Improved family bonding**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	5	2.8	3.2	3.2
	Unimportant	1	.6	.6	3.8
	Neither unimportant nor important	16	9.0	10.3	14.1
	Important	56	31.6	35.9	50.0
	Very Important	78	44.1	50.0	100.0
	Total	156	88.1	100.0	
Missing	9.00	21	11.9		
Total		177	100.0		



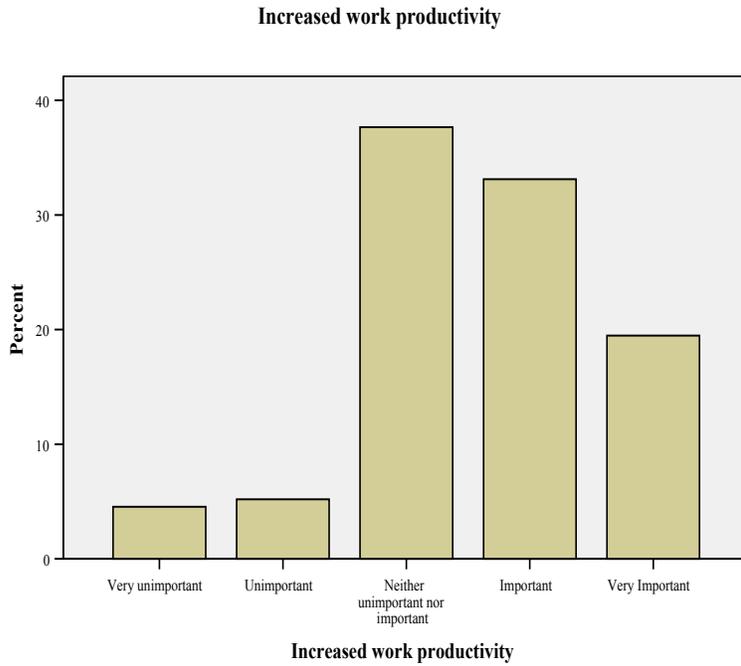
**Recreation for local communities**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	4	2.3	2.6	2.6
	Unimportant	5	2.8	3.2	5.8
	Neither unimportant nor important	33	18.6	21.3	27.1
	Important	74	41.8	47.7	74.8
	Very Important	39	22.0	25.2	100.0
	Total	155	87.6	100.0	
Missing	9.00	22	12.4		
Total		177	100.0		



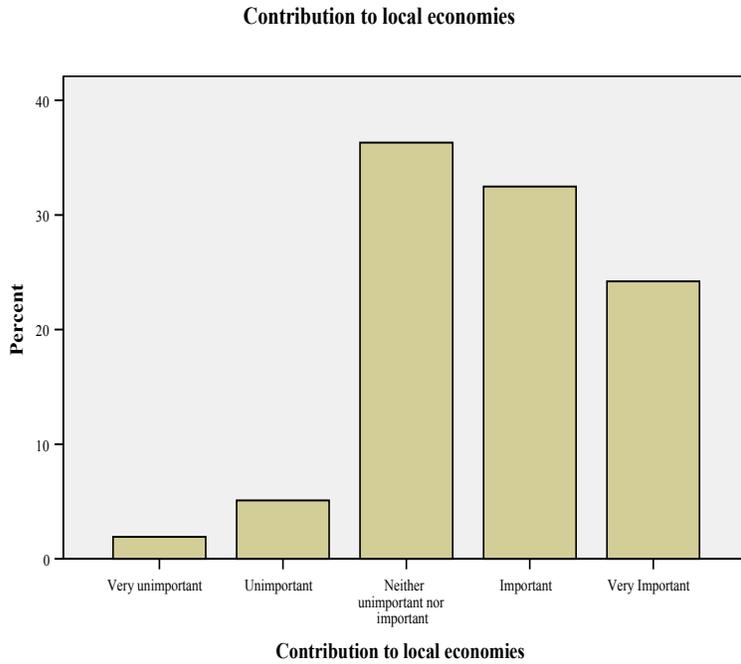
**Increased work productivity**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	7	4.0	4.5	4.5
	Unimportant	8	4.5	5.2	9.7
	Neither unimportant nor important	58	32.8	37.7	47.4
	Important	51	28.8	33.1	80.5
	Very Important	30	16.9	19.5	100.0
	Total	154	87.0	100.0	
Missing	9.00	23	13.0		
Total		177	100.0		



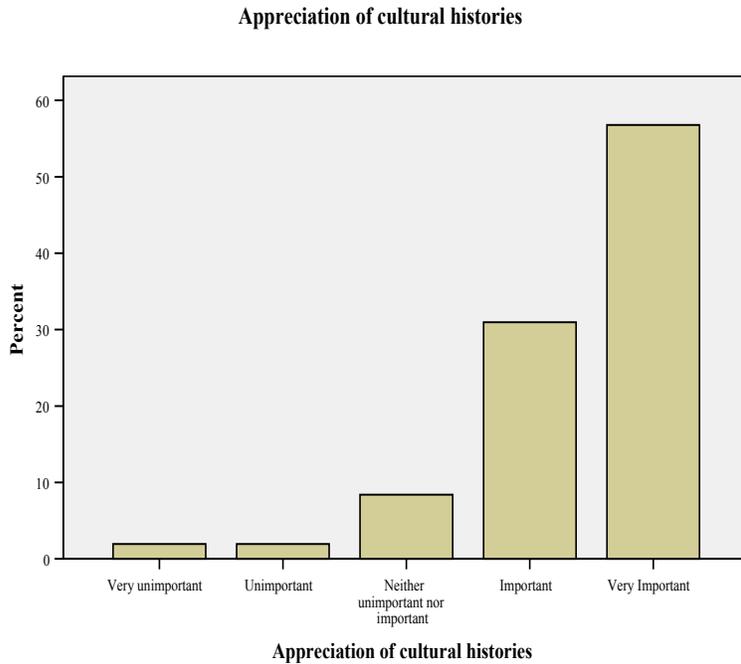
**Contribution to local economies**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	3	1.7	1.9	1.9
	Unimportant	8	4.5	5.1	7.0
	Neither unimportant nor important	57	32.2	36.3	43.3
	Important	51	28.8	32.5	75.8
	Very Important	38	21.5	24.2	100.0
	Total	157	88.7	100.0	
Missing	9.00	20	11.3		
Total		177	100.0		



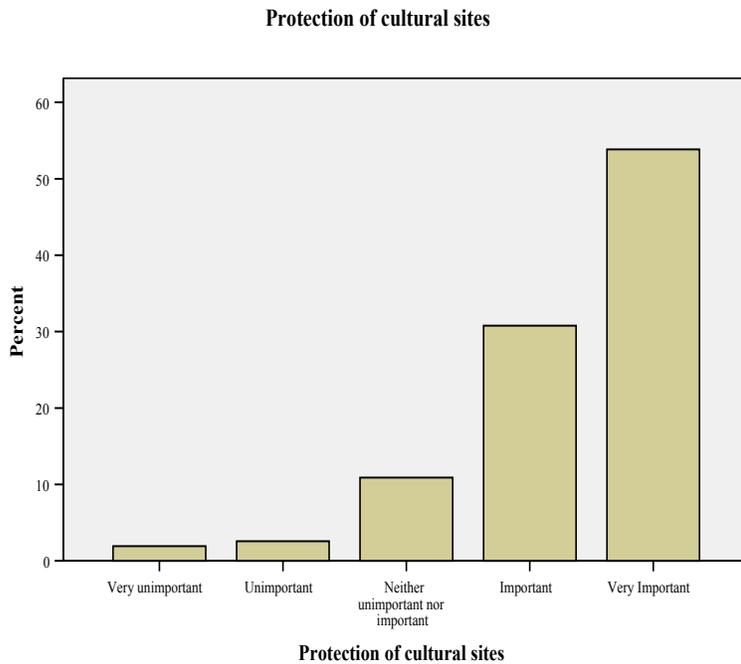
**Appreciation of cultural histories**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	3	1.7	1.9	1.9
	Unimportant	3	1.7	1.9	3.9
	Neither unimportant nor important	13	7.3	8.4	12.3
	Important	48	27.1	31.0	43.2
	Very Important	88	49.7	56.8	100.0
	Total	155	87.6	100.0	
Missing	9.00	22	12.4		
Total		177	100.0		



**Protection of cultural sites**

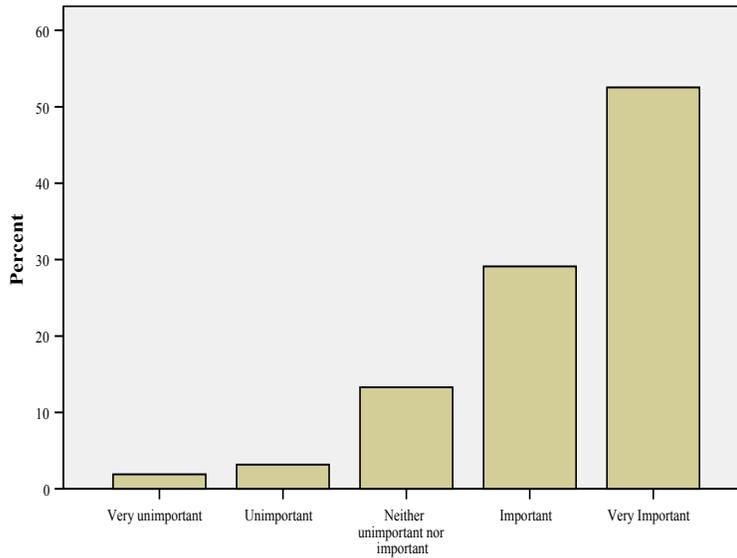
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	3	1.7	1.9	1.9
	Unimportant	4	2.3	2.6	4.5
	Neither unimportant nor important	17	9.6	10.9	15.4
	Important	48	27.1	30.8	46.2
	Very Important	84	47.5	53.8	100.0
	Total	156	88.1	100.0	
Missing	9.00	21	11.9		
Total		177	100.0		



**Greater awareness that this community is a special place**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	3	1.7	1.9	1.9
	Unimportant	5	2.8	3.2	5.1
	Neither unimportant nor important	21	11.9	13.3	18.4
	Important	46	26.0	29.1	47.5
	Very Important	83	46.9	52.5	100.0
	Total	158	89.3	100.0	
Missing	9.00	19	10.7		
Total		177	100.0		

Greater awareness that this community is a special place

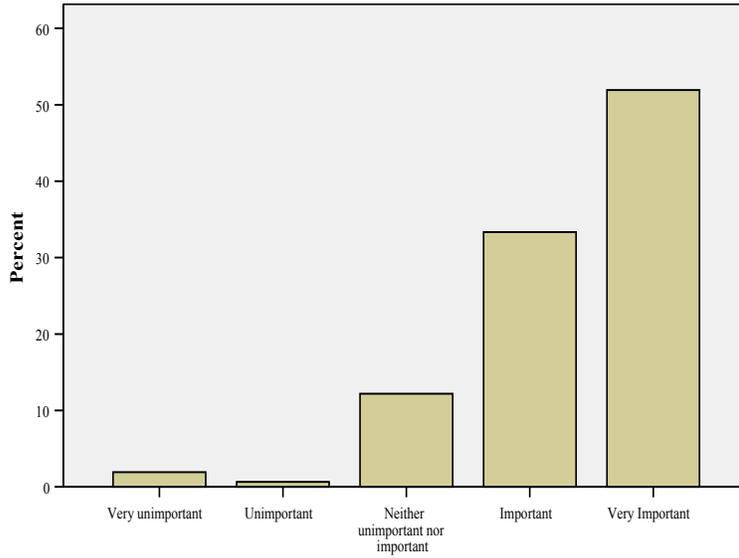


Greater awareness that this community is a special place

**Maintenance of a distinctive historical recreation setting**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	3	1.7	1.9	1.9
	Unimportant	1	.6	.6	2.6
	Neither unimportant nor important	19	10.7	12.2	14.7
	Important	52	29.4	33.3	48.1
	Very Important	81	45.8	51.9	100.0
	Total	156	88.1	100.0	
Missing	9.00	21	11.9		
Total		177	100.0		

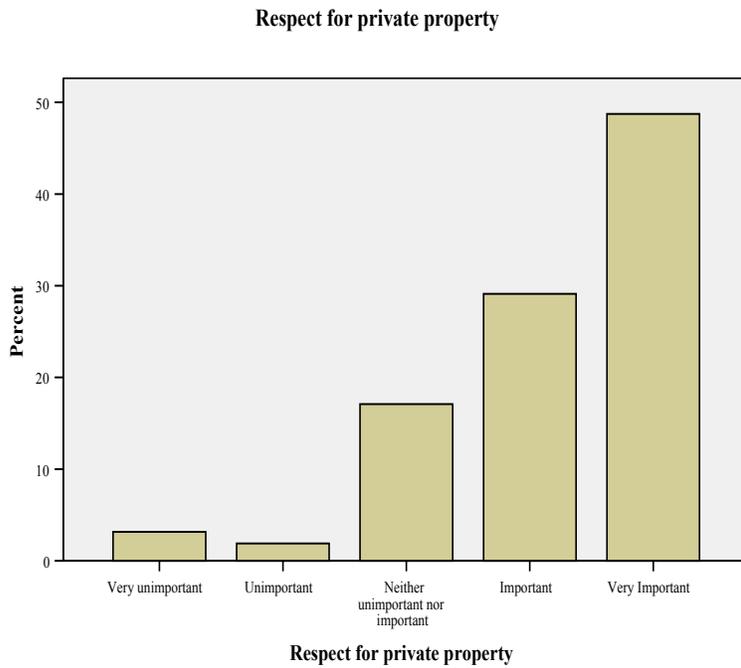
Maintenance of a distinctive historical recreation setting



Maintenance of a distinctive historical recreation setting

**Respect for private property**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very unimportant	5	2.8	3.2	3.2
	Unimportant	3	1.7	1.9	5.1
	Neither unimportant nor important	27	15.3	17.1	22.2
	Important	46	26.0	29.1	51.3
	Very Important	77	43.5	48.7	100.0
Total		158	89.3	100.0	
Missing	9.00	19	10.7		
Total		177	100.0		



**Perceptions of importance of benefits of area**

	N	Mean	Std. Deviation
Improved mental well-being	160	3.74	1.14
Greater self-reliance	159	3.75	1.07
Confirmation/development of my own values	158	4.05	1.05
Improved skills for outdoor enjoyment	156	3.83	1.04
Greater spiritual growth	156	4.41	0.98
Increased understanding and tolerance of others	159	3.98	1.11
Heightened awareness of the natural world	160	3.79	1.09
Improved ability to relate to local cultures	159	3.71	1.12
A deeper understanding of history	159	4.33	1.06
Greater personal enrichment through involvement with other people	160	4.01	1.09
Stronger ties with family and friends	158	4.26	1.07
Community involvement in recreation and land use decisions	156	3.74	1.12
Opportunities for youth	158	4.35	0.95
Improved family bonding	156	4.29	0.92
Recreation for local communities	155	3.90	0.91
Increased work productivity	154	3.58	1.01
Contribution to local economies	157	3.72	0.95
Appreciation of cultural histories	155	4.39	0.87
Protection of cultural sites	156	4.32	0.91
Greater awareness that this community is a special place	158	4.27	0.94
Maintenance of a distinctive historical recreation setting	156	4.33	0.86
Respect for private property	158	4.18	1.00
Valid N (listwise)	138		

## Conclusions and Management Recommendations

The BLM Wyoming National Historic Trails Visitor was conducted with adult visitors through on-site self-administered survey questionnaire (see Appendix I) during the summer of 2006. Overall, 177 visitors completed the onsite surveys. The respondent demographics were similar to those in other outdoor recreation studies. Survey respondents included slightly more men than women with a mean age of 34.42 years. About 70 percent of respondents had attained a high school or higher level of education. Regarding ethnic identification, 61.6 percent of visitors identified themselves as White.

The trip characteristics revealed that 58.2 percent of respondents visited the Mormon Pioneer Historic Trail. This trail was also respondents' primary use trail. The most common group size was more than 15 persons. About 58 percent of the visitor groups were traveling with more than 6 children under 16 years on the trip. Just over half of the visitors stayed overnight. Only 4.5 percent of visitors were day users. A majority of respondents (83.6%) were attracted to the area because of its outstanding historical/cultural qualities and features. Overall, visitors report very high levels of satisfaction: 79.4 percent of the respondents reported being either satisfied or very satisfied with their visit to the Wyoming National Historic Trails.

The most important motives reported by respondents were (in order of importance) to reflect on personal religious values, to develop personal spiritual values, to gain an experience I can look back on, to be with members of my group and to learn more about things here.

Visitors report being most satisfied with hiking trails, cleanliness of restrooms, and availability of group camping sites. They were least satisfied with the availability of trash cans. These same visitors identified erosion of the historical trails, litter, human impacts to wildlife and trash dumping as the most significant recreation impacts.

Respondents indicated that both place attachment and place dependence are strong behavioral influences. Among place dependence statements, respondents agreed most with "these trails mean a lot to me." Among place identity statements, respondents agreed most with "these trails are significant in that they have a story to tell me", "the events that transpired along these trails interest me", and "I have a special connection these trails."

The most important benefits perceived by visitors are a greater spiritual growth, a deeper understanding of history, appreciation of cultural histories, opportunities for youth, maintenance of distinctive historical recreation

setting, protection of cultural sites, confirmation/development of my own values, and stronger ties with family and friends.

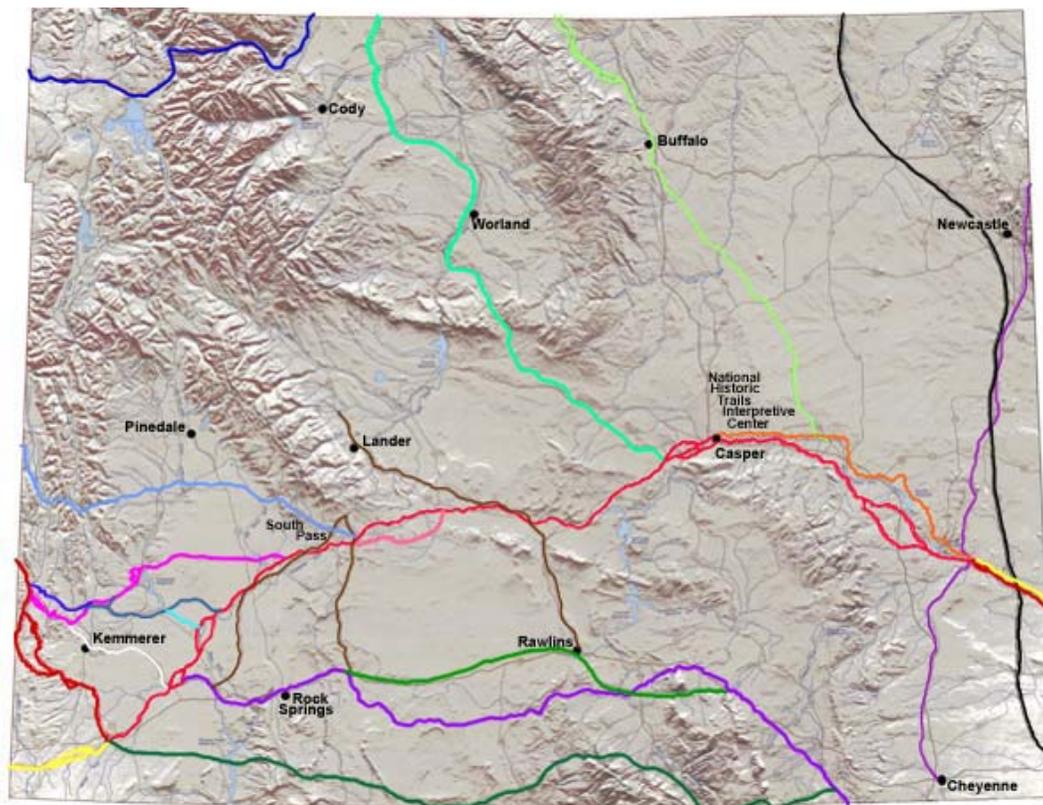
Respondents were asked about their preferences for future management of the Wyoming National Historic Trails. Two thirds of respondents said to leave vehicle access to the area as is. Additionally, about 60 percent of respondents said to leave facilities and motorized use as in the area. Just over half the respondents said to leave the amount of use as is.

The following management recommendations flow from the data and visitor suggestions identified in the results of this study. They are meant as suggestions or areas of consideration as managers think about the future management of the Wyoming National Historic Trails area. The following recommendations are offered for consideration:

1. Utilize the results of this study to better identify the core visitor target market(s) in terms of activities, experiences, benefits and the setting attributes that are most desired and appropriate.
2. Manage to protect the cultural/historical qualities of the trails that most seem to capture the attraction of this resource to visitors.
3. Current use suggests overnight use (camping) includes just over half of the visitors. Assuming that use is appropriate, managers may want to be more deliberate/proactive about marketing, designating and managing for separate designated overnight and day use areas.
4. Recognizing that a majority of use along the trails (92.7 percent) is with an organized group, managers might consider developing partnerships with these groups to enhance visitor experiences as well as ensure protection of the resource.
5. It is clear that cleanliness and the availability of restrooms and trash receptacles are a top priority for visitors to the Wyoming National Historic Trails. Visitors indicated a slight dissatisfaction with the availability of trash cans. Managers might consider the feasibility of providing/increasing the availability of trash receptacles.
6. Visitors view erosion of the historical trails, litter, human impacts to wildlife and trash dumping as areas of highest impact. Managers might consider increasing education efforts, further signing, trash receptacles and on-site personnel, including law enforcement as possible ways of mitigating these impacts.
7. Clearly the historical/cultural features of the Wyoming National Historic Trails hold meaning and are a major draw for a large number of visitors. Managers might want to consider interpretive/educational programs and marketing materials that highlight these features.

## **Appendix I: Survey Questionnaire**

*Wyoming National Historic Trails*  
*Mormon Pioneer NHT*  
*Pony Express NHT*  
*Oregon NHT*  
*California NHT*



*Visitor Survey*  
*2006*

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Thank you for visiting one of the National Historic Trails (NHTs) in Wyoming– the California, Mormon, Oregon, and Pony Express NHTs – and for agreeing to help us with this important study. We are conducting this survey to learn more about visitors to improve service. You are one of a small number of people randomly chosen for this survey, so your opinions are important. All the information will be kept confidential. Please read each question carefully and save any additional comments for the final page.

**Part 1: We would like to begin by asking you some questions about your use of Wyoming NHTs.**

1. Which of the following national historic trails have you visited or do you plan to visit during your current trip? (please ✓ all that apply)
  - Mormon Pioneer NHT
  - Pony Express NHT
  - Oregon NHT
  - California NHT
  
2. Which trail do you consider your primary trail of use? (please ✓ one)
  - Mormon Pioneer NHT
  - Pony Express NHT
  - Oregon NHT
  - California NHT
  - I did not have a primary trail of use
  
3. Which of the following statements would describe how you are attracted to a Wyoming NHT? (please ✓ all that apply)
  - This place is close and convenient to where I live
  - This place has outstanding natural qualities and features (e.g., mountains, rivers)
  - This place offers unique opportunities to socialize with friends/family
  - This place offers recreation activities that are unique
  - This place has outstanding historic/cultural qualities and features
  
4. Including yourself, how many people are in your personal group during this visit? (please ✓ one)
  - I am visiting alone
  - 2 – 3 people
  - 4 – 5 people
  - 6 – 10 people
  - 11 – 15 people
  - more than 15 people
  
5. How many people in your personal group are under the age of 16? (please ✓ one)
  - None
  - 1 – 2
  - 3 – 4
  - 5 – 6
  - More than 6

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6. Is your personal group part of an organized group? (please ✓ one)
- No ➔ please skip to question 8
- Yes
7. If so, what type of organized group? (please ✓ one)
- School
- Church
- Club / Organization
- Private tour
- Business group
8. How many years have you been visiting Wyoming NHTs? (write in number; if this is your first visit, please write 0)
- \_\_\_\_\_ years
9. How many times have you visited a Wyoming NHT in the past year? (fill in number; if this is your first visit, please write 1)
- \_\_\_\_\_ visits
10. How long are you staying on a Wyoming NHT during this visit? (please ✓ one box and fill in question)
- Day use only:  
     \_\_\_\_\_ → How many hours during this visit? \_\_\_\_\_ hours
- Overnight use:  
     \_\_\_\_\_ → How many nights? \_\_\_\_\_ nights
11. Which of the following recreation activities have you participated in or do you plan to participate in during your visit? (please ✓ all that apply)
- |   |   |
|---|---|
| <input type="checkbox"/> Camping                            | <input type="checkbox"/> Horseback riding                     |
| <input type="checkbox"/> Driving for pleasure / sightseeing | <input type="checkbox"/> Visiting historical / cultural sites |
| <input type="checkbox"/> Handcart trekking                  | <input type="checkbox"/> Wildlife viewing / birding           |
| <input type="checkbox"/> Mountain biking                    | <input type="checkbox"/> Taking photographs                   |
| <input type="checkbox"/> Trail hiking                       | <input type="checkbox"/> Other (please specify _____)         |
| <input type="checkbox"/> Studying nature                    |   |
12. Which of the above activities do you consider your primary activity? \_\_\_\_\_

**Part 2: Now we would like to ask you some questions about the quality of your experiences on Wyoming NHTs.**

13. Overall, how satisfied are you with your visit to Wyoming NHTs? (please ✓ one box)
- Very dissatisfied
- Dissatisfied
- Neither satisfied nor dissatisfied
- Satisfied
- Very Satisfied

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14. Overall, how crowded did you feel during this visit to a Wyoming NHT? (*please circle one number*)

1-----2-----3-----4-----5-----6-----7-----8-----9  
 Not at all                      Slightly                      Moderately                      Extremely  
 crowded                      crowded                      crowded                      crowded

15. We would like to know more about the types of experiences you are seeking on Wyoming NHTs.  
 Please rate how important each of the following reasons was to you when deciding to come here.  
 (*circle one number for each statement*)

	Very Unimportant	Unimportant	Neither unimportant nor important	Important	Very Important
To do something with my family	1	2	3	4	5
To be close to nature	1	2	3	4	5
To be with members of my group	1	2	3	4	5
To get away from the usual demands of life	1	2	3	4	5
To develop knowledge of things here	1	2	3	4	5
To share what I have learned with others	1	2	3	4	5
To be with friends	1	2	3	4	5
To experience the sense of discovery involved	1	2	3	4	5
To help me understand better what my life is all about	1	2	3	4	5
To enjoy the smells and sounds of nature	1	2	3	4	5
To help others learn about history here	1	2	3	4	5
To develop personal, spiritual values	1	2	3	4	5
To learn more about things here	1	2	3	4	5
To bring my family closer together	1	2	3	4	5
To understand things here better	1	2	3	4	5
To think about who I am	1	2	3	4	5
To gain an experience I can look back on	1	2	3	4	5
To reflect on personal religious values	1	2	3	4	5
To teach others about history here	1	2	3	4	5

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16. Please indicate your level of satisfaction with each of the current facilities, programs, or services  
(circle one number for each item)

Facilities, Programs, or Services	Very Dissatisfied	Dissatisfied	Neither Dissatisfied nor Satisfied	Satisfied	Very Satisfied
Cleanliness of restrooms	1	2	3	4	5
Availability of restrooms	1	2	3	4	5
Availability of trash cans	1	2	3	4	5
Hiking trails	1	2	3	4	5
Day use picnic areas	1	2	3	4	5
Availability of personal camping sites	1	2	3	4	5
Availability of group camping sites	1	2	3	4	5
Availability of parking	1	2	3	4	5

17. Please indicate the extent to which you agree or disagree with the following statements about these trails? (circle one number for each statement)

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
These trails mean a lot to me	1	2	3	4	5
I am very attached to these trails	1	2	3	4	5
I identify strongly with these trails	1	2	3	4	5
I feel no commitment to these trails	1	2	3	4	5
I enjoy recreating on these trails more than any other trail	1	2	3	4	5
I get more satisfaction out of visiting these trails than from visiting any other trail	1	2	3	4	5
Recreating here is more important than hiking in any other place	1	2	3	4	5
I wouldn't substitute any other trail for the type of recreation I do here	1	2	3	4	5
I have a lot of fond memories about these trails	1	2	3	4	5
I have a special connection to these trails and the people who recreate here	1	2	3	4	5
I don't tell many people about these trails	1	2	3	4	5
I will bring my children to these trails	1	2	3	4	5
The events that transpired along these trails interest me	1	2	3	4	5
These trails are significant in that they have a story to tell	1	2	3	4	5

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18. To what extent do you perceive the following environmental and social concerns to be a problem on Wyoming NHTs? (circle one number for each item)

Concerns	Not a problem	Slight problem	Moderate problem	Serious problem	Very serious problem	Don't Know
Erosion of the historical trails	1	2	3	4	5	DK
Litter	1	2	3	4	5	DK
Conflict with other visitors	1	2	3	4	5	DK
Too many people	1	2	3	4	5	DK
Human impacts to wildlife	1	2	3	4	5	DK
Trampling/removal of vegetation	1	2	3	4	5	DK
Too many roads	1	2	3	4	5	DK
Human body waste	1	2	3	4	5	DK
Fire rings or charcoal	1	2	3	4	5	DK
Inconsiderate people	1	2	3	4	5	DK
Unregulated off-highway vehicle use	1	2	3	4	5	DK
Too many non-system sidetrails	1	2	3	4	5	DK
Unskilled people using the site	1	2	3	4	5	DK
Uncontrolled dogs	1	2	3	4	5	DK
Vandalism	1	2	3	4	5	DK
Widening of the historical trails	1	2	3	4	5	DK
Trash dumping	1	2	3	4	5	DK
Non-native or invasive plants	1	2	3	4	5	DK

**Part 3: Now, we want to know your opinions about how the area should be managed.**

19. Please indicate how the following features of Wyoming NHTs should be managed. Base your answer on the type of setting features that would best enhance your experience. (please ✓ one box for each item)

Remoteness	<input type="checkbox"/> reduce vehicle access	<input type="checkbox"/> leave as is	<input type="checkbox"/> enhance road access within area
Naturalness	<input type="checkbox"/> restore more natural conditions	<input type="checkbox"/> leave as is	<input type="checkbox"/> allow more landscape alteration
Development	<input type="checkbox"/> remove some facilities	<input type="checkbox"/> leave as is	<input type="checkbox"/> develop additional facilities
Services	<input type="checkbox"/> provide less visitor info. & staff	<input type="checkbox"/> leave as is	<input type="checkbox"/> provide more visitor info. & staff
Contacts	<input type="checkbox"/> restrict amount of use in area	<input type="checkbox"/> leave as is	<input type="checkbox"/> encourage more use & interaction
Motorized	<input type="checkbox"/> limit motorized use in area	<input type="checkbox"/> leave as is	<input type="checkbox"/> provide for more motorized use
Facilities	<input type="checkbox"/> less facility maintenance	<input type="checkbox"/> leave as is	<input type="checkbox"/> increase facility maintenance

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20. Managers of Wyoming NHTs are interested in the benefits that this area provides to you. In your opinion, how important is it to manage this area so that it provides each of the benefits listed (*circle the appropriate level of importance*):

	Very Unimportant	Unimportant	Neither unimportant nor important	Important	Very Important
Improved mental well-being	1	2	3	4	5
Greater self-reliance	1	2	3	4	5
Confirmation/development of my own values	1	2	3	4	5
Improved skills for outdoor enjoyment	1	2	3	4	5
Greater spiritual growth	1	2	3	4	5
Increased understanding and tolerance of others	1	2	3	4	5
Heightened awareness of natural world	1	2	3	4	5
Improved ability to relate to local cultures	1	2	3	4	5
A deeper understanding of history	1	2	3	4	5
Greater personal enrichment through involvement with other people	1	2	3	4	5
Stronger ties with family and friends	1	2	3	4	5

21. Managers of the Wyoming NHTs are interested in the benefits that this area provides to others. In your opinion, how important is it to manage this area so that it provides each of the benefits listed (*circle the appropriate level of importance*):

	Very Unimportant	Unimportant	Neither unimportant nor important	Important	Very Important
Community involvement in recreation and land use decisions	1	2	3	4	5
Opportunities for youth	1	2	3	4	5
Improved family bonding	1	2	3	4	5
Recreation for local communities	1	2	3	4	5
Increased work productivity	1	2	3	4	5
Contribution to local economies	1	2	3	4	5
Appreciation of cultural history	1	2	3	4	5
Protection of cultural sites	1	2	3	4	5
Greater awareness that this community is a special place	1	2	3	4	5
Maintenance of a distinctive historical recreation setting	1	2	3	4	5
Respect for private property	1	2	3	4	5

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**Part 4: Your response to the following background questions is greatly appreciated. As always your response is voluntary. The information is used to make sure we accurately represent visitors to Wyoming National Historic Trails.**

22. Are you ...? (please ✓ one)

- Male
- Female

23. What is your age? \_\_\_\_\_

24. What is your home zip code? \_\_\_\_\_

25. Please indicate the highest level of education that you have attained. (please ✓ one)

- Less than high school
- High school graduate
- Technical school or Associates degree
- Bachelor’s degree
- Master’s Degree
- Ph.D., M.D., J.D., or equivalent

*Thank you for helping us with this important study. If there is anything else you would like to tell us, please do so in the space below.*

OMB Approval number:	#1004-xxxx
Expiration Date:	Pending
Person Collecting and Analyzing Information:	Dave D. White
	Mail Code 4020
	411 N. Central Avenue, Ste 550
	Phoenix, AZ 85004-0690
	Email: <a href="mailto:WNHTSurvey@asu.edu">WNHTSurvey@asu.edu</a>

16 U.S.C. 1a-7 authorizes collection of this information. This information will be used by park managers to better serve the public. Response to this request is voluntary. No action may be taken against you for refusing to supply the information requested. No personal data will be recorded. You may direct comments on the number of minutes required to respond, or on any other aspect of this survey to:

Andy Tenney, Bureau of Land Management, 5353 Yellowstone Rd., P.O. Box 1828, Cheyenne, WY 82003

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