

***SWAN VALLEY LAND USE SURVEY:  
YOUR VIEWS ON THE FUTURE OF THE  
SWAN VALLEY***

**SURVEY RESULTS**

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## **Methods – How the Survey was Conducted**

### **What was the purpose of the survey?**

The purpose of this survey was to collect information on the opinions of **full-time** Swan Valley residents, **seasonal** or part-time Swan Valley residents and **non-residents** with a demonstrated interest in the Swan Valley on a variety of topics related to current and future land use in the Swan Valley. The results are available to whoever requests them for informational and/or planning purposes. The survey fills an existing informational gap on how a majority of Swan Valley full-time, seasonal and concerned non-residents feel in 2003 about these topics, and provides comparisons across these groups. For some questions, it also provides a 10 year comparison with results reported in Lambrecht, M.R. and D.H. Jackson. 1993. Identifying the Profile of Montana's Swan Valley Community. Unpub. Ms, School of Forestry, The University of Montana.

### **Who developed and conducted the survey?**

Survey questions were developed by Jill Belsky, Professor of Rural and Environmental Social Science and Director, The Bolle Center for People and Forests in the College of Forestry and Conservation, The University of Montana. Various Swan Valley residents provided ideas for questions and topics and reviewed several drafts of the survey. Survey drafts and procedures were reviewed by several social survey experts at The University of Montana, including Bill Borrie and Laurie Yung, and at Belden Russonello and Stewart, Research and Communication. Jill Belsky revised the survey based on these meetings, and was responsible for sampling procedures, mailings, and statistical analysis. Data entry was conducted by Joanna Tenney, a graduate student in The College of Forestry and Conservation. Theron Miller, Research Associate in The College of Forestry and Conservation converted the data results into tables and graphs for this final report.

### **Who paid for the survey?**

The survey was funded by the Henry P. Kendall Foundation of Boston, MA, a non-profit organization interested in forests, rural communities and conservation in the West.

### **How was the survey conducted?**

The survey was conducted from May through June 2003. All on the mailing list was sent a survey with pre-paid return envelope, and a thank you/reminder post card. Those that did not send the survey back two weeks after the reminder postcard were sent a replacement survey and pre-paid return envelope. The survey respects both confidentiality and anonymity. Each survey was numbered on the back for tracking purposes only. Answers will never be linked to names in any way.

**Who answered the survey questions?**

A survey was sent to every full-time and seasonal resident of the Swan Valley for whom an address was known. The address list was developed from county records checked against a mailing list from the Swan Ecosystem Center. Deb Hulett, a Swan Valley resident, compiled the mailing list. The mailing list was also double-checked by two long-term Swan Valley residents. The list of non-residents came from the Swan Valley Ad Hoc/SEC mailing lists. An adult 18 years of age or older from each household was requested to complete the survey. A total of 530 surveys were successfully mailed (i.e., they were not returned as undeliverable) of which 332 were returned by the closing date; only 318 surveys contained sufficient answers to be usable. Below are some key sociodemographic characteristics of respondents. Totals do not add up to 100% due to missing answers.

**Residence Status**

Fulltime Residents (FT)	151	(47.5% of total)
Seasonal or Part-Time residents (S)	122	(38.4% of total)
Non-Residents (NR)	45	(14.2% of total)
Total	318	

**Gender of Respondent**

	<b>FT</b>	<b>S</b>	<b>NR</b>	<b>Total</b>
Male	72.2%	68%	71.1%	70.4%
Female	25.8%	30.3%	28.9%	28%

**Age**

	<b>FT</b>	<b>S</b>	<b>NR</b>	<b>Total</b>
18-29 yrs	2.6%	0	0	1.3%
20-50 yrs	26.5%	17.2%	22.2%	22.3%
51-65 yrs	41.7%	47.5%	40%	43.7%
66 or older	29.1%	35.2%	37.8%	32.7%

**Education**

	<b>FT</b>	<b>S</b>	<b>NR</b>	<b>Total</b>
Some high school or less	.7	1.6%	0	.9%
High school graduate or GED	22.5%	9%	13.3%	16%
Trade/technical School	8.6	4.1%	0	5.7%
College/University	26.5%	23%	33.3%	26.1%
Some Graduate Courses	9.9%	14.8%	6.7%	11.3%
Graduate Degree Completed	29.8%	41.8%	42.2%	36.2%

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**Years Maintained a Home  
in the Swan Valley**

	<b>FT</b>	<b>S</b>	<b>NR</b>	<b>Total</b>
0-5yrs	21.3%	28%		
6-20 yrs	41.7%	39%		
21-39 yrs	35.4%	33%		
over 40 yrs	.6%	0		

**Employment Status**

	<b>FT</b>	<b>S</b>	<b>NR</b>	<b>Total</b>
Employed Fulltime	24.5%	32.8%	6.7%	30.8%
Self-Employed	29.1%	17.2%	11.1%	22%
Part-Time Employed	5.3%	2.5%	4.4%	4.1%
Unemployed	0	.8%	0%	.3%
Retired Fulltime	26%	30.3%	17.8%	26.7%
Retired-Working Partime	9.3%	9.8%	38.9%	9.4%
Fulltime Homemaker	1.3%	0	0	.6%

**Household Income**

	<b>FT</b>	<b>S</b>	<b>NR</b>	<b>Total</b>
0-\$29,999	24.6%	9.3%	22.2%	18.5%
\$30,000-\$99,999	61.1%	50.5%	36.1%	53.7%
\$100,000-199,999	10.3%	26.8%	30.6%	19.3%
over \$200,000	4%	13.4%	11.1%	8.5%

**How confident can we be that these survey results are representative of fulltime, seasonal and nonresident/interested populations in the Swan Valley?**

The response rate is approximately 60% (318/530= 60%) With an overall response rate of 60% we can be somewhat but not totally confident that the survey results represent the views of the intended populations. We cannot be totally confident because it is possible that the 40% who presumably received, but did not fill out and return the survey (or sufficiently complete the survey), have different opinions than the 60% who completed the survey.

In addition, the survey results may be biased due to who did versus who did not answer the survey. First, despite repeated attempts to develop an accurate mailing list, we may have left some folks off or not found accurate addresses. Second, the folks who did not complete and return the survey may be tired of filling out surveys or cynical about their value. With regards to the

survey results reported here, there may be a gender bias as roughly two-thirds of the respondents were male/one-third were female. Without knowing the actual gender distribution of adult full and seasonal residents, it is possible that the survey results are biased in favor of male opinions. And lastly, it should be noted that this survey is limited to adults 18 yrs of age or older; the views of youths (those under 18 yrs of age) are not included.

**How are the results reported in this summary?**

Answers to most questions on the survey are reported in this summary. Instructions and question wording have not been altered in any way. A brief summary is provided after each question. Then the “raw” data is provided. Means and/or frequencies of answers are summarized and reported separately. The mean is the numerical average of all of the answers to a particular question (calculated by adding together the answers and dividing by the number of the people who answered the question). Frequencies are the percentage of people who selected each answer for a particular question. In some cases, the percentages do not add up to 100% because some respondents did not answer a particular question.

**How should the results be interpreted?**

It will be up to the interested citizens and groups of the Swan Valley to decide what these results mean and how to use this information. It is often helpful to examine responses to related questions together. Answers to questions that are concentrated toward one end of the scale indicate some agreement on those questions. While on other questions answers are dispersed more evenly across the scale and this indicates there is less agreement or mixed views on that question. It is also important to note that it is sometimes difficult to know exactly why people answered a question the way that they did. Two people might select the same answer for very different reasons.

**How will this information be used?**

As a result of this survey, individuals and groups at local, regional and even national level will have an objective sense of how a majority of full and seasonal residents of the Swan Valley feel about a variety of land use issues. These data could be used to inform future projects and policies, or merely correct existing assumptions regarding how “people” feel about such issues.

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**1. Features of the Swan Valley**

Respondents were asked, “Here are some features that people use to describe the Swan Valley. Please indicate how important each feature is to you by circling a number on the scale for each.”

**Results:** Environmental features (forests, wildlife, mountains, open space and wilderness) were ranked extremely high across all three populations; and they ranked higher across all three populations than social-community features (knowing your neighbors, affordable housing, independent living, community, influencing change).

**Frequencies**

	Percent of Full time residents						Percent of Seasonal residents						Percent of Non-residents					
	Not Important	2	3	4	5	Extremely Important	Not Important	2	3	4	5	Extremely Important	Not Important	2	3	4	5	Extremely Important
Forests	0.0	0.0	1.4	4.1	22.6	71.9	0.0	0.0	0.8	3.4	26.3	69.5	0.0	0.0	0.0	2.3	25.0	72.7
Wildlife	0.7	0.7	1.4	4.1	25.9	67.3	0.0	0.0	1.7	2.5	25.4	70.3	0.0	0.0	0.0	6.8	13.6	79.5
Mountains	0.0	0.0	0.0	5.5	24.0	70.5	0.0	0.9	0.0	1.7	18.1	79.3	0.0	2.3	4.7	14.0	79.1	
Open space	2.1	2.1	2.7	15.8	24.7	52.7	0.8	4.2	6.8	13.6	23.7	50.8	0.0	7.0	9.3	14.0	14.0	55.8
Wilderness	6.2	2.7	8.9	13.7	17.8	50.7	0.9	2.6	4.3	7.7	19.7	65.0	4.7	2.3	2.3	9.3	16.3	65.1
Knowing neighbors	4.7	4.7	14.2	22.3	33.8	20.3	4.2	5.9	18.6	26.3	28.0	16.9	4.5	9.1	11.4	25.0	34.1	15.9
Affordable Housing	11.0	7.5	13.7	17.8	24.0	26.0	16.2	18.8	17.9	24.8	6.8	15.4	16.3	16.3	20.9	20.9	14.0	11.6
Independent Living	2.7	3.4	3.4	15.5	30.4	44.6	8.0	13.4	7.1	19.6	23.2	28.6	4.7	4.7	16.3	18.6	27.9	27.9
Community	4.8	2.7	10.2	23.8	36.7	21.8	3.4	5.1	17.1	28.2	27.4	18.8	2.3	7.0	30.2	23.3	18.6	18.6
Influence change	0.8	5.3	10.6	22.0	26.5	34.8	4.0	6.0	11.0	27.0	31.0	21.0	5.6	5.6	22.2	16.7	30.6	19.4

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**Features of the Swan Valley, cont.**

**Means**

	Resident Status								
	Fulltime Resident			Seasonal Resident			Non-Resident		
	Mean	N	Std. Dev.	Mean	N	Std. Dev.	Mean	N	Std. Dev.
Forests	5.7	146	0.6	5.6	118	0.6	5.7	44	0.5
Wildlife	5.6	147	0.8	5.6	118	0.6	5.7	44	0.6
Mountains	5.7	146	0.6	5.8	116	0.6	5.7	43	0.8
Open space	5.2	146	1.1	5.1	118	1.2	5.0	43	1.3
Wilderness	4.9	146	1.5	5.4	117	1.1	5.3	43	1.3
Knowing your neighbors	4.4	148	1.3	4.2	118	1.3	4.2	44	1.4
Affordable Housing	4.1	146	1.6	3.3	117	1.6	3.3	43	1.6
Independent Living	5.0	148	1.2	4.2	112	1.6	4.4	43	1.4
Community	4.5	147	1.3	4.3	117	1.3	4.0	43	1.3
Can influence change	4.7	132	1.2	4.4	100	1.3	4.2	36	1.4

**10 Year Comparison:** This finding is consistent with results reported by Lambrecht and Jackson (1993):20 which suggested strong environmental preferences.

## 2. Guiding the Swan Valley’s Future

Respondents were asked to “Please indicate how important the following items are to you when you think of the future of the Swan Valley by circling a number on the scale for each.”

**Results:** Protecting natural resources, protecting private property rights, and sustainable forestry were ranked as very important across all three populations. Fulltime and seasonal residents ranked developing natural resources as important (more so than non-residents); fulltime residents ranked economic development as important (more so than seasonal and non-residents), and all thought limiting population growth was important, but it was ranked higher by non-residents. Fulltime residents ranked local management as very important (slightly higher than seasonal residents and much higher than non-residents). Seasonal and non-residents ranked as very important: people getting along, long-range planning, and balancing development with protection of natural resources. All three populations rated economic development as important (more so by fulltime residents). All three groups ranked small scale tourism as important, but ranked large scale tourism as not important.

### Frequencies

	Percent of full time residents						Percent of Seasonal residents						Percent of non-residents					
	Not Important	2	3	4	5	Extremely Important	Not Important	2	3	4	5	Extremely Important	Not Important	2	3	4	5	Extremely Important
Economic Development	11.6	13.6	19.7	21.1	14.3	19.7	18.1	21.6	17.2	27.6	6.9	8.6	22.7	15.9	13.6	34.1	6.8	6.8
Sustainable forestry	0.0	2.0	5.4	10.9	23.8	57.8	2.6	1.7	5.2	14.7	30.2	45.7	7.0	0.0	0.0	18.6	25.6	48.8
Private property rights	0.7	4.7	3.4	9.5	21.6	60.1	0.9	0.0	5.1	8.5	24.8	60.7	2.3	2.3	9.1	11.4	18.2	56.8
People getting along	4.1	3.4	6.8	18.9	26.4	40.5	2.6	0.9	5.1	15.4	33.3	42.7	0.0	2.3	7.0	20.9	32.6	37.2
Protecting natural resources	1.4	2.1	2.7	13.7	21.9	58.2	0.9	0.0	2.6	7.7	20.5	68.4	0.0	0.0	2.3	6.8	27.3	63.6
Small-scale tourism	9.5	10.9	18.4	28.6	17.0	15.6	11.1	7.7	21.4	29.9	17.1	12.8	4.8	7.1	28.6	21.4	33.3	4.8
Growth management	8.8	4.8	9.5	12.2	25.9	38.8	2.6	2.6	9.4	14.5	25.6	45.3	4.7	7.0	7.0	11.6	30.2	39.5
Developing natural resources	6.9	11.7	14.5	17.9	18.6	30.3	11.4	7.0	16.7	18.4	19.3	27.2	7.3	19.5	17.1	17.1	31.7	7.3
Planning	6.1	4.1	9.5	19.0	28.6	32.7	0.9	2.6	6.0	17.2	29.3	44.0	2.4	2.4	4.9	12.2	39.0	39.0
Limiting population growth	7.5	10.3	11.0	13.7	18.5	39.0	6.0	6.0	10.3	19.0	22.4	36.2	2.3	9.3	2.3	16.3	30.2	39.5
Balancing development with protection of natural resources	4.1	4.1	9.5	8.8	23.1	50.3	2.5	3.4	0.8	13.6	22.9	56.8	0.0	2.4	4.8	16.7	21.4	54.8
Local management	2.7	1.4	8.9	9.6	26.7	50.7	2.6	4.4	1.8	21.9	31.6	37.7	0.0	4.9	12.2	29.3	24.4	29.3
Large-scale tourism	54.6	17.8	14.0	5.7	4.4	3.5	57.4	16.5	12.2	7.8	3.5	2.6	52.4	26.2	11.9	4.8	0.0	4.8

**Guiding the future of the Swan Valley, cont.**

**Means**

Scale 1 2 3 4 5 6  
 Not Extremely  
 Important Important

	Resident Status								
	Fulltime Resident			Seasonal Resident			Non-Resident		
	Mean	N	Std. Dev.	Mean	N	Std. Dev.	Mean	N	Std. Dev.
Economic Development	3.7	147	1.6	3.1	116	1.5	3.1	44	1.5
Sustainable forestry	5.3	147	1.0	5.1	116	1.2	5.0	43	1.4
Private property rights	5.3	148	1.1	5.4	117	0.9	5.1	44	1.3
People getting along	4.8	148	1.3	5.0	117	1.1	5.0	43	1.0
Protecting natural resources	5.3	146	1.1	5.5	117	0.9	5.5	44	0.7
Small-scale tourism	3.8	147	1.5	3.7	117	1.5	3.9	42	1.2
Growth management	4.6	147	1.6	4.9	117	1.3	4.7	43	1.5
Developing natural resources	4.2	145	1.6	4.1	114	1.7	3.7	41	1.5
Planning	4.6	147	1.4	5.0	116	1.1	5.0	41	1.2
Limiting population growth	4.4	146	1.7	4.5	116	1.5	4.8	43	1.4
Balancing development with protection of natural resources	4.9	147	1.4	5.2	118	1.2	5.2	42	1.0
Local management	5.1	146	1.2	4.9	114	1.2	4.6	41	1.2
Large-scale tourism	2.1	148	1.4	1.9	115	1.3	1.9	42	1.3

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**3. Opinions about Issues Facing the Swan Valley**

Respondents were asked, “Some statements about issues facing the Swan Valley are listed below. Please indicate the extent to which you agree or disagree with each of the following statements.”

Scale	Frequencies																							
	0 Don't know	1 Strongly Disagree	2 Somewhat Disagree	3 Slightly Disagree	4 Slightly Agree	5 Somewhat Agree	6 Strongly Agree	Percent of full time residents						Percent of Seasonal residents						Percent of non-residents				
	0	1	2	3	4	5	6	0	1	2	3	4	5	6	0	1	2	3	4	5	6			
The Swan Valley needs lots more jobs	0.7	14.9	16.9	10.8	19.6	20.3	16.9	8.6	19.0	9.5	16.4	16.4	23.3	6.9	18.6	11.6	4.7	20.9	14.0	20.9	9.3			
Natural resources should be used to fuel economic growth	0.0	18.2	6.1	10.1	14.9	21.6	29.1	1.7	17.9	10.3	7.7	23.1	25.6	13.7	2.4	14.3	14.3	14.3	14.3	33.3	7.1			
Local residents should have the most say about how public lands in the Swan Valley are managed	0.7	4.7	4.7	4.0	8.0	22.0	56.0	3.4	2.6	6.8	9.4	12.8	23.1	41.9	4.5	0.0	9.1	9.1	13.6	18.2	45.5			
The Swan Valley needs more cooperation between private landowners and public land management agencies	4.7	2.7	2.0	3.4	20.9	19.6	46.6	13.8	3.4	1.7	3.4	16.4	23.3	37.9	13.6	0.0	2.3	6.8	15.9	27.3	34.1			
Private landowners in the Swan Valley should be able to use their property as they wish	0.7	2.7	5.4	8.7	20.1	22.1	40.3	0.0	13.0	7.8	12.2	16.5	20.0	30.4	2.3	4.5	15.9	9.1	4.5	25.0	38.6			
If it doesn't involve a cost, private landowners in the Swan Valley should manage their property to support conservation	1.4	8.8	4.1	3.4	15.5	27.0	39.9	1.7	1.7	2.6	5.2	10.3	24.1	54.3	2.3	6.8	0.0	0.0	18.2	25.0	47.7			
Regardless of cost, private landowners in the Swan Valley should manage their property to support conservation	0.7	25.0	11.5	13.5	16.2	19.6	13.5	4.3	24.3	11.3	13.9	13.9	14.8	17.4	2.3	20.5	2.3	13.6	27.3	27.3	6.8			
Conservation easements are a good way for private landowners to support conservation	8.7	16.8	7.4	3.4	18.1	17.4	28.2	9.6	7.8	2.6	8.7	7.8	26.1	37.4	18.2	4.5	2.3	2.3	13.6	34.1	25.0			
Hunting access for the public is important on private property	2.7	30.0	10.7	10.0	13.3	18.0	15.3	3.5	39.8	15.9	6.2	5.3	13.3	15.9	6.8	36.4	18.2	4.5	11.4	11.4	11.4			
The Swan Valley needs a long-term land-use plan	2.7	6.0	5.3	8.0	10.7	28.7	38.7	6.0	2.6	3.4	3.4	10.3	23.3	50.9	4.7	7.0	0.0	4.7	14.0	16.3	53.5			
Opinions-Forests will stay healthy on their own without intervention by humans	3.4	46.3	16.3	8.8	7.5	10.9	6.8	2.6	44.8	22.4	9.5	6.0	8.6	6.0	4.8	26.2	19.0	14.3	19.0	9.5	7.1			

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	Percent of full time residents							Percent of Seasonal residents							Percent of non-residents						
	0	1	2	3	4	5	6	0	1	2	3	4	5	6	0	1	2	3	4	5	6
I am concerned about land use in the Swan Valley becoming more fragmented	6.1	2.0	8.1	7.4	14.9	23.6	37.8	9.3	2.5	3.4	4.2	14.4	23.7	42.4	9.5	2.4	2.4	2.4	16.7	33.3	33.3
The Swan Valley should develop local sustainable timber industries	0.7	3.4	8.1	4.7	16.8	26.8	39.6	4.3	6.9	6.9	4.3	13.8	34.5	29.3	2.3	6.8	6.8	15.9	18.2	31.8	18.2
If they want, Swan Valley residents have a meaningful way to participate in planning	2.7	4.7	4.7	8.1	18.2	24.3	37.2	23.3	6.0	2.6	1.7	15.5	27.6	23.3	20.9	7.0	0.0	0.0	16.3	30.2	25.6
The forests in the Swan Valley require more active management such as thinning and use of fire	2.7	4.0	4.7	5.3	12.0	23.3	48.0	12.1	6.0	7.8	2.6	18.1	26.7	26.7	13.6	2.3	4.5	11.4	11.4	29.5	27.3
The construction of vacation homes in the Swan Valley is a good thing	2.0	19.3	10.7	10.0	26.0	21.3	10.7	6.0	5.2	7.8	7.8	23.3	25.9	24.1	4.5	6.8	13.6	13.6	18.2	29.5	13.6
The Swan Valley community should try to protect Plum Creek lands	6.9	10.4	4.2	2.8	12.5	24.3	38.9	10.5	7.0	3.5	5.3	12.3	21.1	40.4	16.3	0.0	7.0	2.3	18.6	25.6	30.2
I support providing tax credits to private landowners to not sell their land to developers	4.0	10.0	6.0	5.3	8.0	20.7	46.0	6.0	10.3	5.1	5.1	12.0	15.4	46.2	6.8	6.8	4.5	0.0	4.5	18.2	59.1
Swan Valley residents generally want the same things for the place	7.5	19.0	10.9	10.9	19.0	22.4	10.2	31.9	9.7	5.3	8.0	15.0	22.1	8.0	34.9	0.0	7.0	16.3	16.3	16.3	9.3
I feel that I can have a voice in the future of the Swan Valley	3.3	7.3	10.0	8.0	16.7	34.0	20.7	15.5	1.7	5.2	8.6	30.2	23.3	15.5	18.2	0.0	13.6	4.5	31.8	25.0	6.8
The Swan Valley is a better place to live in now than it was 10 years ago	14.1	30.2	13.4	12.8	11.4	12.8	5.4	22.4	17.2	14.7	10.3	14.7	12.1	8.6	34.9	9.3	14.0	9.3	18.6	9.3	4.7

**Some summary results:**

The following statements received a score of 4 or above across all three groups (indicating that respondents all **agreed** with the statement):

- local residents should have the most say regarding public land management,
- private landowners in the Swan Valley should be able to use their property as they wish,

The following statements received a score of 3 or less across all three groups (indicating that they all **disagreed** with the statement):

- forests will stay healthy on their own without intervention by humans,
- the Swan Valley is a better place to live in now than it was 10 years ago.

**10 Year Comparison:**

Ten years ago half of the respondents agreed that the Swan was a better place to live than ten years prior. In 2003, the mean (across all three populations was 2.5 or lower!) suggests that most somewhat or slightly disagreed with the sentence.

Upper Swan Valley Landscape Assessment  
**Appendix F – Trends and Issues Surveys**

**Opinions about issues facing the Swan Valley, cont.**

Scale	<b>Means</b>						
	0 Don't know	1 Strongly Disagree	2 Somewhat Disagree	3 Slightly Disagree	4 Slightly Agree	5 Somewhat Agree	6 Strongly Agree

	<b>Resident Status</b>								
	<b>Fulltime Resident</b>			<b>Seasonal Resident</b>			<b>Non-Resident</b>		
	<b>Mean</b>	<b>N</b>	<b>Std. Dev.</b>	<b>Mean</b>	<b>N</b>	<b>Std. Dev.</b>	<b>Mean</b>	<b>N</b>	<b>Std. Dev.</b>
The Swan Valley needs lots more jobs	3.6	148	1.7	3.1	116	1.8	3.0	43	2.0
Natural resources should be used to fuel economic growth	4.0	148	1.8	3.6	117	1.8	3.5	42	1.7
Local residents should have the most say about how public lands in the Swan Valley are managed	5.0	150	1.5	4.6	117	1.6	4.6	44	1.7
The Swan Valley needs more cooperation between private landowners and public land management agencies	4.8	148	1.6	4.3	116	2.1	4.3	44	2.0
Private landowners in the Swan Valley should be able to use their property as they wish	4.7	149	1.4	4.1	115	1.7	4.4	44	1.8
If it doesn't involve a cost, private landowners in the Swan Valley should manage their property to support conservation	4.6	148	1.6	5.1	116	1.3	4.9	44	1.5
Regardless of cost, private landowners in the Swan Valley should manage their property to support conservation	3.3	148	1.8	3.2	115	1.9	3.5	44	1.7
Conservation easements are a good way for private landowners to support conservation	3.7	149	2.1	4.3	115	2.0	3.9	44	2.2
Hunting access for the public is important on private property	3.2	150	1.9	2.7	113	2.0	2.6	44	1.9
The Swan Valley needs a long-term land-use plan	4.6	150	1.7	4.8	116	1.7	4.8	43	1.8
Forests will stay healthy on their own without intervention by humans	2.3	147	1.7	2.2	116	1.6	2.7	42	1.7
I am concerned about land use in the Swan Valley becoming more fragmented	4.5	148	1.8	4.5	118	1.9	4.5	42	1.8
The Swan Valley should develop local sustainable timber industries	4.7	149	1.5	4.4	116	1.7	4.1	44	1.6
If they want, Swan Valley residents have a meaningful way to participate in planning	4.6	148	1.6	3.6	116	2.3	3.9	43	2.2

Upper Swan Valley Landscape Assessment  
**Appendix F – Trends and Issues Surveys**

**Opinions about issues facing the Swan Valley, cont.**

**Means**

Scale	0	1	2	3	4	5	6
	Don't know	Strongly Disagree	Somewhat Disagree	Slightly Disagree	Slightly Agree	Somewhat Agree	Strongly Agree

	Resident Status								
	Fulltime Resident			Seasonal Resident			Non-Resident		
	Mean	N	Std. Dev.	Mean	N	Std. Dev.	Mean	N	Std. Dev.
The forests in the Swan Valley require more active management such as thinning and use of fire	4.8	150	1.6	4.0	116	2.0	4.0	44	2.0
The construction of vacation homes in the Swan Valley is a good thing	3.5	150	1.7	4.1	116	1.7	3.8	44	1.7
The Swan Valley community should try to protect Plum Creek lands	4.3	144	2.0	4.3	114	2.1	4.0	43	2.1
I support providing tax credits to private landowners to not sell their land to developers	4.5	150	1.9	4.4	117	2.0	4.8	44	2.0
Swan Valley residents generally want the same things for the place	3.2	147	1.9	2.6	113	2.2	2.7	43	2.2
I feel that I can have a voice in the future of the Swan Valley	4.1	150	1.7	3.7	116	1.9	3.3	44	1.9
The Swan Valley is a better place to live in now than it was 10 years ago	2.4	149	1.8	2.5	116	2.0	2.1	43	2.0

**4. The Future of Plum Creek Lands: Management Objectives**

**The question read as follows: Plum Creek is selling approximately 20,000 acres of former forestlands in the Swan Valley. This question is about your opinion on how you would like these lands managed in the future. Please indicate your opinion of each of the following objectives.**

**Results:** Regarding management objectives, wildlife was ranked the highest across all three group (though unfortunately the question does not further specify if for hunting or protection). The next highest ranked objectives across all three groups were scenery and sustainable timber (approximately the same), followed by firewood and wild food, and non-motorized recreation. Fulltime and seasonal residents slightly agreed with all types of recreation, whereas on this objective non-residents slightly disagreed. All three groups generally disagreed with the general objective of anything that contributes to the tax base.

**In the future, I think Plum Creek lands should be managed for...**

**Frequencies**

	Percent of full time residents						Percent of Seasonal residents						Percent of non-residents					
	Strongly Disagree	Somewhat Disagree	Slightly Disagree	Slightly Agree	Somewhat Agree	Strongly Agree	Strongly Disagree	Somewhat Disagree	Slightly Disagree	Slightly Agree	Somewhat Agree	Strongly Agree	Strongly Disagree	Somewhat Disagree	Slightly Disagree	Slightly Agree	Somewhat Agree	Strongly Agree
Sustainable timber	4.3	4.3	4.3	14.3	24.3	48.6	1.8	2.7	4.4	18.6	38.1	34.5	4.9	0.0	4.9	24.4	36.6	29.3
Scenery	2.9	6.5	5.0	15.8	27.3	42.4	1.8	1.8	4.4	20.2	34.2	37.7	4.8	0.0	4.8	14.3	42.9	33.3
Non-motorized recreation	15.8	11.5	9.4	12.2	21.6	29.5	12.4	8.8	10.6	17.7	19.5	31.0	9.5	7.1	14.3	7.1	38.1	23.8
All types of recreation	13.8	9.4	10.9	18.1	19.6	28.3	17.5	13.2	11.4	14.9	20.2	22.8	25.0	20.0	15.0	12.5	15.0	12.5
Firewood and wild food collection	1.4	5.1	9.4	21.0	24.6	38.4	4.4	8.8	4.4	26.5	30.1	25.7	4.8	7.1	0.0	33.3	38.1	16.7
Wildlife	1.5	1.5	1.5	5.8	19.0	70.8	0.0	0.0	0.9	4.5	24.3	70.3	0.0	0.0	0.0	2.4	28.6	69.0
Anything that contributes to the tax base	28.5	16.1	15.3	18.2	12.4	9.5	36.6	16.1	8.9	21.4	6.3	10.7	22.5	15.0	22.5	17.5	12.5	10.0
All of the above	19.7	6.6	7.9	21.1	27.6	17.1	25.0	8.3	4.2	27.1	25.0	10.4	25.0	10.0	10.0	15.0	25.0	15.0

Upper Swan Valley Landscape Assessment  
**Appendix F – Trends and Issues Surveys**

**The Future of Plum Creek Lands: Management Objectives, cont.**

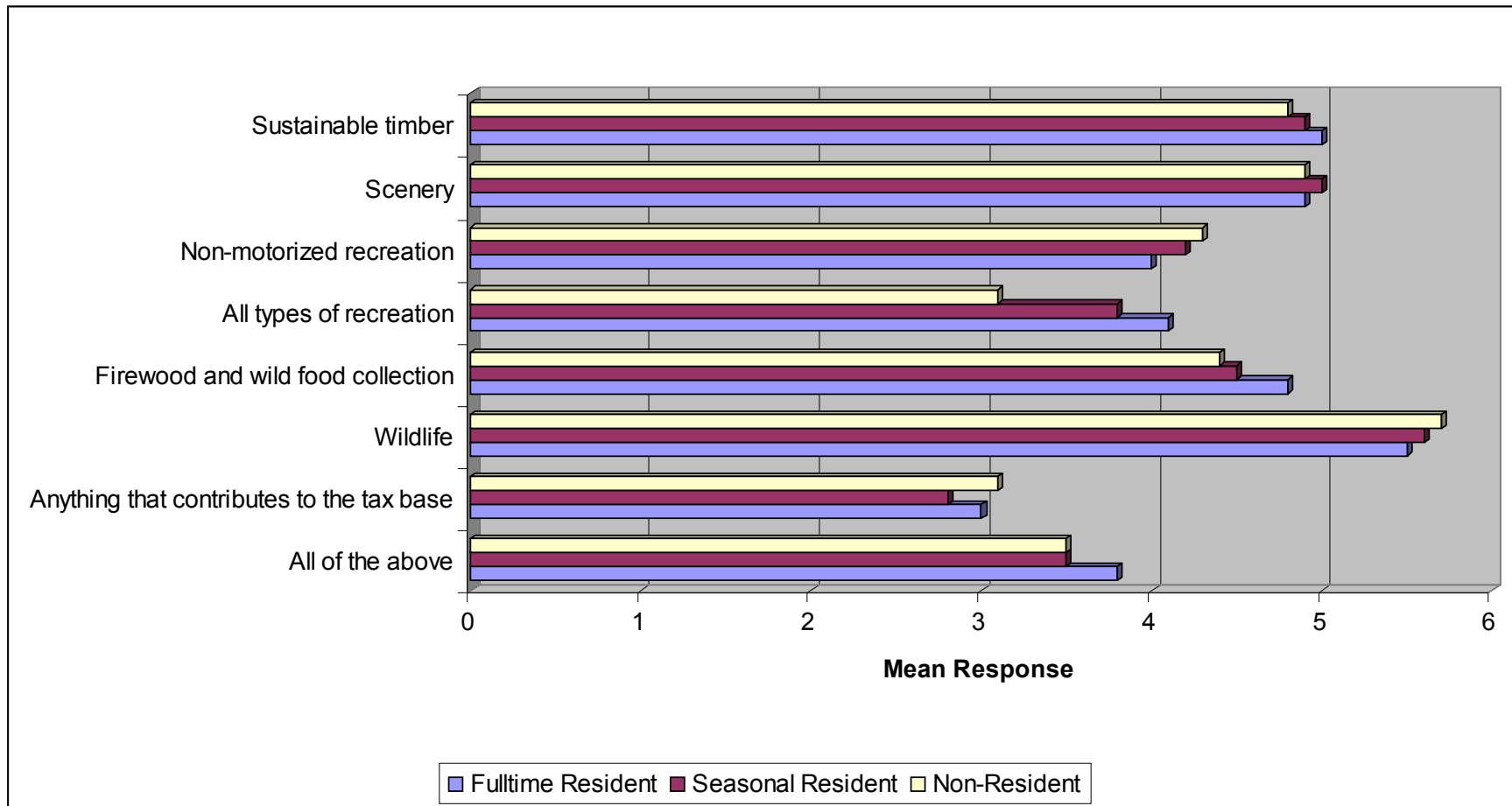
Means

Scale 1 2 3 4 5 6  
 Strongly Somewhat Slightly Slightly Somewhat Strongly  
 Disagree Disagree Disagree Agree Agree Agree

	Resident Status								
	Fulltime Resident			Seasonal Resident			Non-Resident		
	Mean	N	Std. Dev.	Mean	N	Std. Dev.	Mean	N	Std. Dev.
Sustainable timber	5.0	140	1.4	4.9	113	1.1	4.8	41	1.2
Scenery	4.9	139	1.3	5.0	114	1.1	4.9	42	1.2
Non-motorized recreation	4.0	139	1.8	4.2	113	1.7	4.3	42	1.6
All types of recreation	4.1	138	1.8	3.8	114	1.8	3.1	40	1.8
Firewood and wild food collection	4.8	138	1.3	4.5	113	1.4	4.4	42	1.3
Wildlife	5.5	137	1.0	5.6	111	0.6	5.7	42	0.5
Anything that contributes to the tax base	3.0	137	1.7	2.8	112	1.7	3.1	40	1.6
All of the above	3.8	76	1.8	3.5	48	1.8	3.5	20	1.9

**The Future of Plum Creek Lands: Management Objectives, cont.**

Scale	1	2	3	4	5	6
	Strongly	Somewhat	Slightly	Slightly	Somewhat	Strongly
	Disagree	Disagree	Disagree	Agree	Agree	Agree



Upper Swan Valley Landscape Assessment  
**Appendix F – Trends and Issues Surveys**

**5. The Future of Plum Creek Lands: Management Body**

**The question read as follows: Plum Creek is selling approximately 20,000 acres of former forestlands in the Swan Valley. This question is about your opinion on who you would like to manage these lands in the future.**

**Results:** The highest level of agreement was that Plum Creek lands should be managed by a Swan Valley community-based organization (non-residents especially). Other management bodies that respondents slightly to somewhat agree with as a land manager of Plum Creek lands are a land trust organization, private/non-governmental organization, individual private landowners, timber companies and federal, state and to a lesser extent county governmental agencies (especially by non-residents). Respondents across all three groups slightly disagreed that the managers should be corporate landowners.

**In the future I think Plum Creek lands should be managed by...**

**Frequencies**

	Percent of fulltime residents						Percent of Seasonal residents						Percent of non-residents					
	Strongly Disagree	Somewhat Disagree	Slightly Disagree	Slightly Agree	Somewhat Agree	Strongly Agree	Strongly Disagree	Somewhat Disagree	Slightly Disagree	Slightly Agree	Somewhat Agree	Strongly Agree	Strongly Disagree	Somewhat Disagree	Slightly Disagree	Slightly Agree	Somewhat Agree	Strongly Agree
Individual private landowners	31.1	9.6	17.0	15.6	9.6	17.0	31.4	8.6	10.5	24.8	13.3	11.4	15.0	17.5	17.5	12.5	25.0	12.5
Timber companies	40.9	13.9	9.5	16.1	10.2	9.5	26.7	14.9	14.9	16.8	15.8	10.9	32.5	20.0	12.5	22.5	7.5	5.0
Federal government agency	43.8	7.3	10.9	16.1	13.1	8.8	31.4	12.4	13.3	13.3	18.1	11.4	38.1	16.7	9.5	23.8	7.1	4.8
State government agency	33.6	11.9	11.9	17.9	17.2	7.5	27.9	11.5	14.4	16.3	19.2	10.6	31.7	9.8	12.2	29.3	14.6	2.4
County government agency	49.3	13.4	11.2	15.7	8.2	2.2	34.3	16.2	16.2	20.0	9.5	3.8	21.4	11.9	16.7	28.6	14.3	7.1
Private/Non-governmental organization	34.3	6.0	11.9	20.1	18.7	9.0	33.7	10.9	13.9	19.8	17.8	4.0	17.9	7.7	17.9	30.8	17.9	7.7
A Swan Valley community-based organization	16.4	5.7	5.7	17.1	22.9	32.1	15.2	9.5	11.4	23.8	18.1	21.9	7.3	2.4	2.4	24.4	34.1	29.3
Land trust organization	27.4	11.9	11.1	19.3	14.8	15.6	24.3	6.8	7.8	17.5	23.3	20.4	12.5	2.5	22.5	20.0	17.5	25.0
Corporate landowners	55.6	17.3	13.5	6.8	3.0	3.8	50.0	19.2	17.3	6.7	6.7	0.0	40.0	22.5	12.5	17.5	5.0	2.5

Upper Swan Valley Landscape Assessment  
**Appendix F – Trends and Issues Surveys**

**Future of Plum Creek Lands: Management Body, cont.**

**Means**

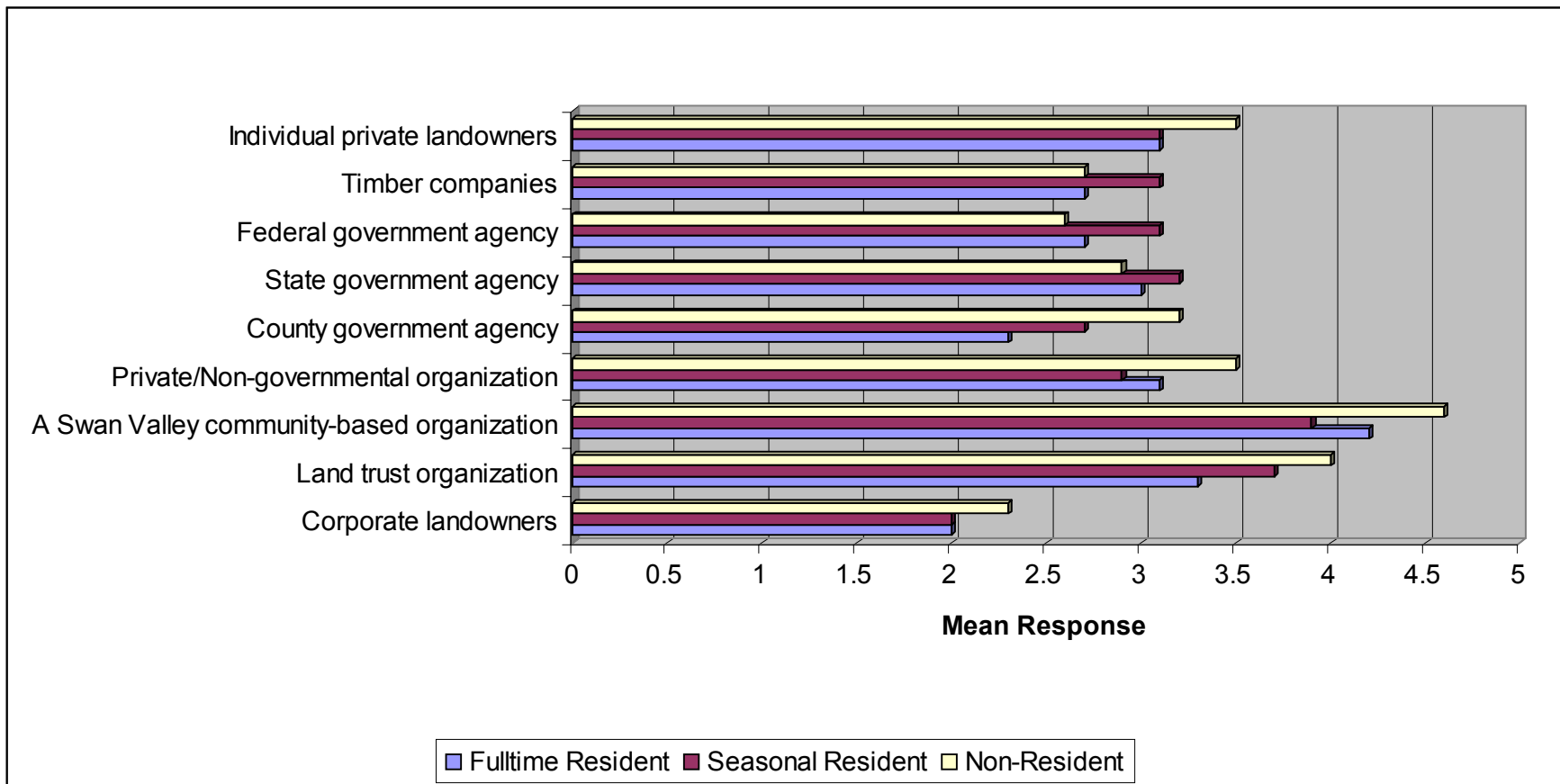
**Scale**      **1**      **2**      **3**      **4**      **5**      **6**  
**Strongly**    **Somewhat**    **Slightly**    **Slightly**    **Somewhat**    **Strongly**  
**Disagree**    **Disagree**    **Disagree**    **Agree**        **Agree**        **Agree**

	<b>Resident Status</b>								
	<b>Fulltime Resident</b>			<b>Seasonal Resident</b>			<b>Non-Resident</b>		
	<b>Mean</b>	<b>N</b>	<b>Std. Dev.</b>	<b>Mean</b>	<b>N</b>	<b>Std. Dev.</b>	<b>Mean</b>	<b>N</b>	<b>Std. Dev.</b>
Individual private landowners	3.1	135	1.8	3.1	105	1.8	3.5	40	1.7
Timber companies	2.7	137	1.8	3.1	101	1.7	2.7	40	1.6
Federal government agency	2.7	137	1.8	3.1	105	1.8	2.6	42	1.6
State government agency	3.0	134	1.7	3.2	104	1.8	2.9	41	1.6
County government agency	2.3	134	1.5	2.7	105	1.5	3.2	42	1.6
Private/Non-governmental organization	3.1	134	1.8	2.9	101	1.7	3.5	39	1.5
A Swan Valley community-based organization	4.2	140	1.8	3.9	105	1.7	4.6	41	1.4
Land trust organization	3.3	135	1.8	3.7	103	1.9	4.0	40	1.6
Corporate landowners	2.0	133	1.4	2.0	104	1.3	2.3	40	1.4

**Future of Plum Creek Lands: Management Body, cont.**

**Means**

**Scale**      **1**      **2**      **3**      **4**      **5**      **6**  
**Strongly**    **Somewhat**    **Slightly**    **Slightly**    **Somewhat**    **Strongly**  
**Disagree**    **Disagree**    **Disagree**    **Agree**      **Agree**      **Agree**



**6. Who Do You Trust as Land Managers?**

**Respondents were asked to, “Please circle the number from 1 to 6 that reflects the amount of trust you have in each of the following below. Please use 6 for your highest level of trust.”**

**Results:** Local residents, Montana State Land Dept., US Forest Service, Swan Ecosystem Center and Swan Citizen’s Ad Hoc Committee received high scores for trust (though the scores were slightly lower among fulltime-residents than seasonal and non-residents for these land managers). County commissioners, conservation groups, environmental groups, scientists, and the U.S. public scored in the middle, and the least amount of trust was reported for out of state businesses.

**Frequencies**

	Percent of full time residents						Percent of Seasonal residents						Percent of non-residents					
	No Trust	2	3	4	5	Very high trust	No Trust	2	3	4	5	Very high trust	No Trust	2	3	4	5	Very high trust
Trust-Out-of-State Business	70.9	16.9	9.5	2.0	0.0	0.7	64.3	20.9	10.4	2.6	0.9	0.9	69.0	21.4	4.8	2.4	2.4	0.0
Trust-U.S. Forest Service	17.4	14.8	14.1	22.1	22.8	8.7	6.2	7.1	20.4	25.7	25.7	15.0	9.3	11.6	14.0	23.3	30.2	11.6
Trust-Montana State Land Dept.	13.4	10.7	17.4	24.8	24.2	9.4	5.5	4.5	20.9	28.2	31.8	9.1	9.8	7.3	7.3	39.0	24.4	12.2
Trust-Environmental Groups	49.0	10.9	9.5	12.2	12.2	6.1	39.5	14.0	19.3	11.4	8.8	7.0	31.0	19.0	14.3	14.3	19.0	2.4
Trust-Local Residents	4.1	4.1	16.4	32.2	30.8	12.3	6.9	6.9	19.0	25.9	25.9	15.5	0.0	2.4	19.0	23.8	45.2	9.5
Trust-Scientists	25.0	13.9	20.8	23.6	12.5	4.2	17.4	13.8	24.8	25.7	15.6	2.8	11.9	11.9	16.7	26.2	28.6	4.8
Trust-Conservation Groups	29.3	15.6	13.6	12.2	19.0	10.2	26.5	12.4	14.2	23.9	14.2	8.8	17.1	14.6	14.6	19.5	26.8	7.3
Trust-Lake County Commissioners	41.0	19.4	23.6	11.8	4.2	0.0	28.6	23.8	25.7	15.2	4.8	1.9	12.2	22.0	24.4	24.4	17.1	0.0

Upper Swan Valley Landscape Assessment  
**Appendix F – Trends and Issues Surveys**

**Who Do You Trust as Land Managers, cont.**

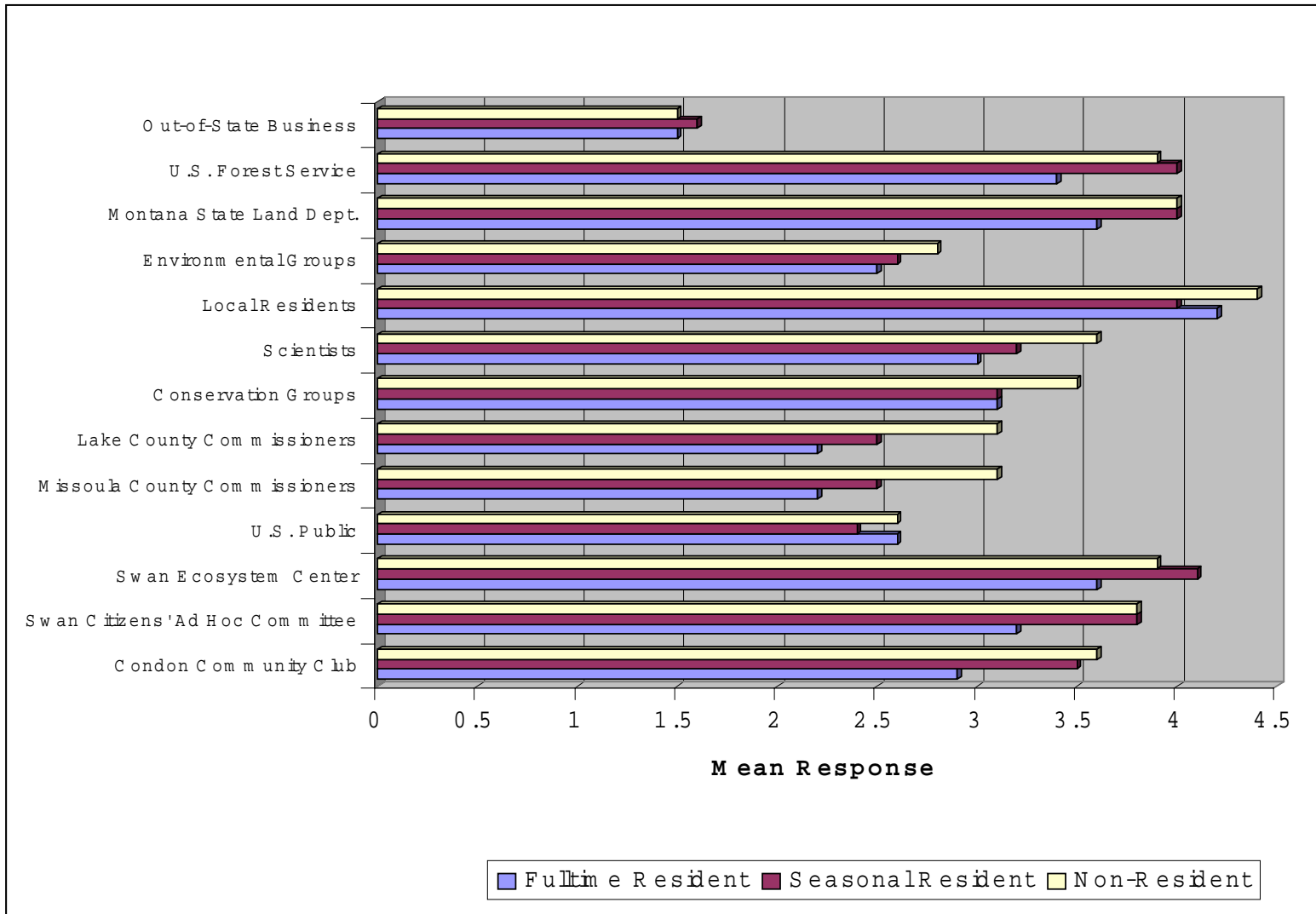
	Percent of full time residents						Percent of Seasonal residents						Percent of non-residents					
	No Trust	2	3	4	5	Very high trust	No Trust	2	3	4	5	Very high trust	No Trust	2	3	4	5	Very high trust
Trust-Missoula County Commissioners	43.2	20.5	19.9	12.3	2.7	1.4	31.5	20.4	24.1	15.7	6.5	1.9	19.0	14.3	21.4	31.0	14.3	0.0
Trust-U.S. Public	33.8	23.7	12.2	18.0	7.9	4.3	31.7	25.0	20.2	18.3	3.8	1.0	26.2	21.4	28.6	14.3	9.5	0.0
Trust-Swan Ecosystem Center	20.5	11.6	13.0	14.4	22.6	17.8	10.9	4.5	15.5	26.4	21.8	20.9	10.3	5.1	17.9	17.9	43.6	5.1
Trust-Swan Citizens' Ad Hoc Committee	21.1	21.1	15.5	12.7	19.7	9.9	9.1	9.1	21.2	27.3	24.2	9.1	7.7	5.1	20.5	30.8	33.3	2.6
Trust-Condon Community Club	23.9	22.5	20.3	15.2	13.8	4.3	10.3	19.6	18.6	25.8	15.5	10.3	2.6	12.8	35.9	23.1	23.1	2.6



**Trust as Land Managers, cont.**

**Means**

**Scale 1 (No Trust) - 6 (Very High Trust)**



**7. Community Participation in Plum Creek Land Use Change**

**Respondents were asked to, “Please put a check next to the sentence that best reflects your preference for how you would prefer to be involved in land use regarding Plum Creek lands” and for “land use change in the Swan Valley.”**

**Results:** Approximately half or just slightly less than half of non-residents prefer to be actively involved in community efforts regarding Plum Creek land divestment and future land use issues, whereas a third of this group prefer to be informed but not actively involved. This is in contrast to approximately half of both seasonal and non-residents prefer to be informed but not actively involved.

**Frequencies (in percents)**

	Full time residents					Seasonal residents					Non -residents				
	Active involvement	Not actively involved	Informed but not actively involved	Involved but don't know how to participate	Involvement some other way	Active involvement	Not actively involved	Informed but not actively involved	Involved but don't know how to participate	Involvement some other way	Active involvement	Not actively involved	Informed but not actively involved	Involved but don't know how to participate	Involvement some other way
Preferences regarding involvement in land use on Plum Creek lands	43.0	3.4	36.2	16.1	1.3	18.1	3.4	56.9	19.8	1.7	22.7	2.3	59.1	13.6	2.3
Preferences regarding involvement in land use in the Swan Valley	51.4	2.0	31.1	14.9	0.7	21.1	2.6	56.1	18.4	1.8	28.6	2.4	50.0	16.7	2.4