

Appendix G—

Background

The North Campus Planning Subcommittee (NCPS) has been meeting every other week from

April 2005 to the present. It was imperative to involve the UAF and Fairbanks communities. Three public meetings were held to seek input from these communities. The meetings were held at different locations to facilitate representation from different segments of the public. The meeting locations and times were:

April 2005 UAF West Center - The meeting at this location was held at the UAF West Center. The meeting was held at the UAF West Center. The meeting was held at the UAF West Center. The meeting was held at the UAF West Center.

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An eight-page self administered survey and printouts of the posters were distributed to those attending the meetings. The survey consisted of 40 questions with a Likert Scale response

format (i.e., strongly agree, agree, neutral, disagree, strongly disagree) and a 5-point Likert Scale response format (i.e., highly unacceptable, unacceptable, neutral, acceptable, highly acceptable). The Likert Scale response format allows for systematic tabulation of results and comparisons across questions.

The survey had several subcomponents. The first section of the survey presented hypothetical scenarios and asked a series of questions regarding each hypothetical scenario. The next section of the survey asked questions regarding the UAF and Fairbanks community. The final section of the survey asked questions regarding the UAF and Fairbanks community.

It is important to note that those who completed the survey were self-selected. The sample frame consisted only of those who attended the meetings and were given the survey. The survey was given to those who attended the meetings. The survey was given to those who attended the meetings. The survey was given to those who attended the meetings.

population of UAF faculty, staff and students or the Fairbanks community cannot be made.

survey (Table 2). The specific issues 1 poster prompted the most comments, followed by specific issues 2 and 3.

Table 2. Data on Posters Survey that Prompted Written Comment

Comment Location	# comments	%	Comment Location	# comments	%
Specific Issues 1	16	48	Specific Issues 2	10	30
Specific Issues 2	10	30	Specific Issues 3	10	30
Video Statements	4	12	Other	4	12
Other	4	12			

These comments were distributed across various locations on the posters, poster handouts, or an eight-page self-administered survey and printouts of the posters were distributed to those attending the meetings. The survey consisted of 20 questions with a Likert Scale response format, a response scale ranging from strongly agree to strongly disagree, highly acceptable to highly unacceptable. The Likert Scale response format allows for systematic tabulation of results and comparisons across questions.

The survey had several subcomponents. The first section of the survey presented hypotheses separate and asked respondents to indicate their level of agreement with each hypothesis. The second section of the survey presented the same hypotheses and asked respondents to indicate their level of agreement with each hypothesis. The third section of the survey presented the same hypotheses and asked respondents to indicate their level of agreement with each hypothesis. The fourth section of the survey presented the same hypotheses and asked respondents to indicate their level of agreement with each hypothesis.

The data were analyzed using Statistical Package for the Social Sciences (SPSS). The data were analyzed using Statistical Package for the Social Sciences (SPSS).

Results

There were 188 comments written on the posters and attached to the posters at one of the meeting locations, with ten of the posters not returned to the organizers, so written on the survey and returned to a student researcher (Table 1).

Table 1. Where to Write Comments were Shared

	Response	Percent
Comments on posters	178	94
Other	10	5.6

- Comments at the Center were prompted by all three Specific Issues posters and the Video Statements Posters.
- Comments at Noel Wien library were prompted by Specific Issues 1 & 2.
- Comments at the Center were prompted by all three Specific Issues posters and the Video Statements Posters.

1. 60% of the comments were written on the posters.
2. 40% of the comments were written on the survey.
3. 10% of the comments were written on the survey and returned to a student researcher.

Location	Comments	Percentage
Center	110	58.5
Noel Wien library	78	41.5
Other	0	0
Total	188	100.0

Location	Comments	Percentage
Center	110	58.5
Noel Wien library	78	41.5
Other	0	0
Total	188	100.0

Table 3. Comparison of area that Prompted Comment and how Comment was Obtained.

Area	How Comment was Obtained					Total
	Random	Phone	Survey	Walk	Woodlot	
Comments	1	0	0	0	0	1
Dogs on trails	0	0	11	0	0	11
Frosion	0	0	4	0	0	4
General	0	0	0	0	33	33
Lights	24	3	3	3	4	37

Table 4. Category of Written Comments.

Category	Count	Percent
Fire Management	1	0.1
Permits	90	6.8
Runners	92	7.0
Ski Hut	33	2.5
Volunteers	29	2.2
Buildings	28	2.1
Parking	28	2.1
Lights	0	0

Table 8. Substantive of Comments Received Answer

Table 11. Substantive of Comments Received Dear

Survey

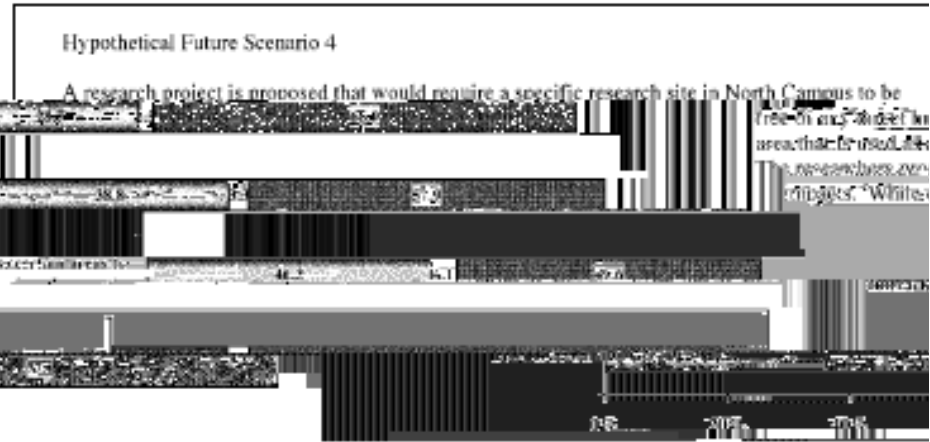
- The approach to reduce these conflicts with the most acceptance was requiring

One hundred and twenty eight individuals completed the survey. Since the respondents were self-selected, the response rate cannot be calculated. Because the results were not based on a

response collapsed into acceptable and unacceptable categories. The results across all response categories appear in Appendix A.

Approximate, but not accurate

It has been proposed to widen a one-mile segment of an existing trail. The wider ski-skiing in the winter. However, widening the trail would generate even



At the start of the scenario, the fenced area is shown in the diagram below. The fenced area is labeled "Fenced area" and contains a building labeled "Building". A road labeled "Road" runs along the bottom edge of the fenced area. A north arrow is located in the bottom right corner of the diagram.



Questions Regarding Branches / Tree Removal

Questions Regarding Trail Surfaces, Permafrost Issues, and Damage to Roots

Questions Regarding T-Field Road

Number of winter trails groomed for skate and classic



Questions Regarding Ski Trails

Number of winter trails groomed for skate and classic

The T-Field Road is the area where a relatively high amount of conflict seems to occur. There is a high amount of conflict in the area where a relatively high amount of conflict seems to occur.



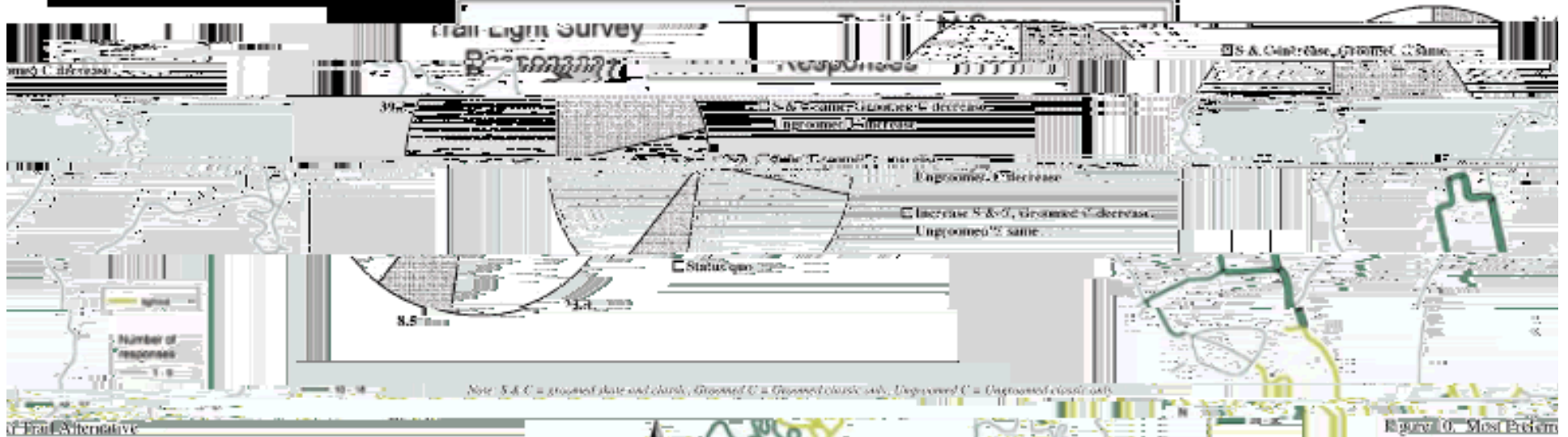


Figure 10. Most Preferred Alternative

- Status quo was the most preferred alternative.

If the respondents felt the amount of lit ski trails should be expanded, they were asked to indicate where the additional lights should be located.

Where Additional Lights Should be Located:

- The most cited location for additional ski trail lights was the T-Field. The second most cited locations for additional ski trail lights were midnight express, Big zzy, and the Smith Lake Connector.

Figure 11. Responses to Where Additional Ski Trail Lights Should be Located

Cluster Analysis

While the frequencies provide an indication of the acceptability or agreement of specific management issues, it does not give an overall indication to different segments of the respondents. Cluster analysis groups the respondents into groups based on similar response patterns. This provides a segmentation of respondents who hold similar views toward

advisability	2.50	4.08	4.64
things could not be allowed	6.46	2.91	2.59
characteristic of	4.24	2.19	2.90

and consistency of questions in a group. However, not every question used in a survey is difficult to make meaningful distinctions between groups. This survey consisted of 40 questions, however some questions measured similar concepts. To simplify the analysis, the questions that measure similar concepts can be averaged together to form one score, or scale, for the concept the questions are measuring.

The first step to constructing a scale is to ensure the questions are measuring the same concept. One way to do this is to use Cronbach's Alpha. This type of reliability analysis is Cronbach's Alpha, which calculates the average of all possible correlations among items to be included in the scale. Typically an Alpha value of .6 or higher is taken as an indication the items are measuring the same concept. To be more stringent, an alpha value of .7 was used as the cut-off for this analysis. In other words, if the items had a Cronbach's Alpha of .7 or higher, they

Results of Reliability Analysis

Close certain areas	.85	.74
Close certain parking areas		
Close certain areas of outreach and recreation use		
The network of winter walking trails in the North Campus Area should be expanded	.85	.78
Close area to outreach and recreation*		
Remove trees or branches for snow and safety*		
Install weedchips on trails*		
Prohibit wheeled motorized access in winter		
Scale items - search for items to scale		
Remove entire trees that allow more snow to reach the trail		

A cluster analysis was conducted on the scale items and the following items.

Table 15. Results of K-Means Cluster Analysis

	Cluster		
	1	2	3
Close certain areas	1.12	5.24	1.02
Close certain parking areas			
Close certain areas of outreach and recreation use	1.28	4.46	1.24
The network of winter walking trails in the North Campus Area should be expanded	2.72	2.98	3.30
Close area to outreach and recreation*	5.95	3.69	3.93
Remove trees or branches for snow and safety*	2.35	4.28	2.99
Install weedchips on trails*	1.64	2.49	2.11
Prohibit wheeled motorized access in winter	1.76	4.27	2.86
Scale items - search for items to scale			

unacceptable to close areas to our outreach and recreation; and had the highest level of concern regarding the need to mediate the snow and ice.

Cluster 2 might be labeled walkers / researchers / natural. This group (12% of respondents) was the most conservative in their views on snow and ice management. They were self-identifying as experts in the group. They were all researchers or researchers in training. They were not in the group that was most concerned about snow and ice management. They were the most conservative in their views on snow and ice management.

Cluster 3 represents respondents who based their opinions on their own personal experience. They were the most restrictive in their views on snow and ice management and had the highest level of concern regarding the need to mediate the snow and ice.

APPENDIX A - ALL RESPONSE CATEGORIES

Hypothetical Scenario 14					Hypothetical Scenario 15											
	Slightly disagree	Moderately disagree	Strongly disagree		Highly acceptable	Moderately acceptable	Slightly acceptable	Neither	Slightly unacceptable	Moderately unacceptable	Highly unacceptable		Strongly agree	Moderately agree	Slightly agree	Neither
1	12.2	20.9	44.3	120	28.8	23.3	19.2	4.2	6.7	10.8	10	115	7.8	4.3	7	3
2	16.8	20.4	22.1	120	28.8	23.3	19.2	4.2	6.7	10.8	10	113	11.5	8.8	0.7	10
3	14.9	5.8	4.1	6.6	4.1	149	5.8	4.1	6.6	4.1	149	5.8	4.1	6.6	4.1	149
4	6.2	21.2	10.6	14.2	38.1	62	21.2	10.6	14.2	38.1	62	21.2	10.6	14.2	38.1	62

...restrict additional research activity in certain areas of North Campus?

...restrict additional

the research project should be allowed with fencing the research site

...require additional research projects in North Campus to be more compatible with other uses?

...take no action?

The research project should not be allowed.

The research project should be allowed, but without fencing...

...require additional research projects in North Campus to be more compatible with other uses?

...take no action?

a. n = number of responses for each item, all other cell entries are percent of respondents in each category

Skiers and walkers*

	Slightly disagree	Moderately disagree	Strongly disagree		Highly acceptable	Moderately acceptable	Slightly acceptable	Neither	Slightly unacceptable	Moderately unacceptable	Highly unacceptable		Strongly agree	Moderately agree	Slightly agree	Neither
1	12.2	20.9	44.3	120	28.8	23.3	19.2	4.2	6.7	10.8	10	115	7.8	4.3	7	3
2	16.8	20.4	22.1	120	28.8	23.3	19.2	4.2	6.7	10.8	10	113	11.5	8.8	0.7	10
3	14.9	5.8	4.1	6.6	4.1	149	5.8	4.1	6.6	4.1	149	5.8	4.1	6.6	4.1	149
4	6.2	21.2	10.6	14.2	38.1	62	21.2	10.6	14.2	38.1	62	21.2	10.6	14.2	38.1	62

	Slightly disagree	Moderately disagree	Strongly disagree		Highly acceptable	Moderately acceptable	Slightly acceptable	Neither	Slightly unacceptable	Moderately unacceptable	Highly unacceptable		Strongly agree	Moderately agree	Slightly agree	Neither
1	5.5	3.1	3.1	3.1	122	6.6	10.7	11.5	2.5	5.7	18	45.1	127	77.2	7	7
2	7.9	11.1	7.9	24.6	32.5	121	10.7	16.5	11.6	3.3	7.4	19.8	30.6	126	11.1	4
3	17.7	12.1	4	8.9	16.9	123	10.6	12.1	18.7	3.3	17.7	34.1	124	22.6	1	1

...close certain trails?

...close certain parking areas?

...close certain areas to winter use?

Dogs should not be allowed on groomed ski trails.

Dogs should not be allowed on maintained walking trails.

The designated winter dog use trails should be expanded.

a. n = number of responses for each item, all other cell entries are percent of respondents in each category

Winter / summer trails*

Ski trails*

Group/class	Highly			Moderately			Slightly			Slightly			Moderately			Highly		
	Highly acceptable	Slightly acceptable	Not acceptable	Highly acceptable	Slightly acceptable	Not acceptable	Highly acceptable	Slightly acceptable	Not acceptable	Highly acceptable	Slightly acceptable	Not acceptable	Highly acceptable	Slightly acceptable	Not acceptable	Highly acceptable	Slightly acceptable	Not acceptable
same	116	6.2	24.1	7.8	5.7	1.7	126	68.3	15.9	6.3	8	5.6	8	2.4	125	29.6	12.8	15.2
Scenario A	111	14.4	12.6	18	20.7	25.2	142	10.7	5.4	18.8	30.4	34.8	125	29.6	12.8	15.2		
Scenario B	111	14.4	12.6	18	20.7	25.2	142	10.7	5.4	18.8	30.4	34.8	125	29.6	12.8	15.2		
Scenario C	111	14.4	12.6	18	20.7	25.2	142	10.7	5.4	18.8	30.4	34.8	125	29.6	12.8	15.2		
Scenario D	111	14.4	12.6	18	20.7	25.2	142	10.7	5.4	18.8	30.4	34.8	125	29.6	12.8	15.2		

Types of ski trails

Please indicate your acceptability of each scenario

...remove trip poles to allow more snow to reach the trail?
 ...remove branches for safety reasons?

...remove traffic trees to allow more snow

Status quo: same

Scenario A: increase

Scenario B: decrease

Scenario C: same

Scenario D: increase

T-Field Road*

	Highly Unacceptable	Highly Acceptable	Medium Acceptable	Strongly Acceptable	Response Description	Strongly Unacceptable	Medium Unacceptable	Highly Unacceptable	
4	10.5	10.5	5.6		...prohibit wheeled motorized access in winter?	124	51.6	9.7	8.1
4.2	8.5	46.2	41.5		...require advance notice for wheeled motorized access in winter?	422	38.5	45.4	33.7
8	4.8	8.8	76		...allowed unlimited wheeled motorized access in winter?	125	4.8	2.4	2.4

percent of respondents in each category

n = number of responses for each item, all other cell entries are

Table Along Streets*