

Appendix A. Online Survey Screenshots

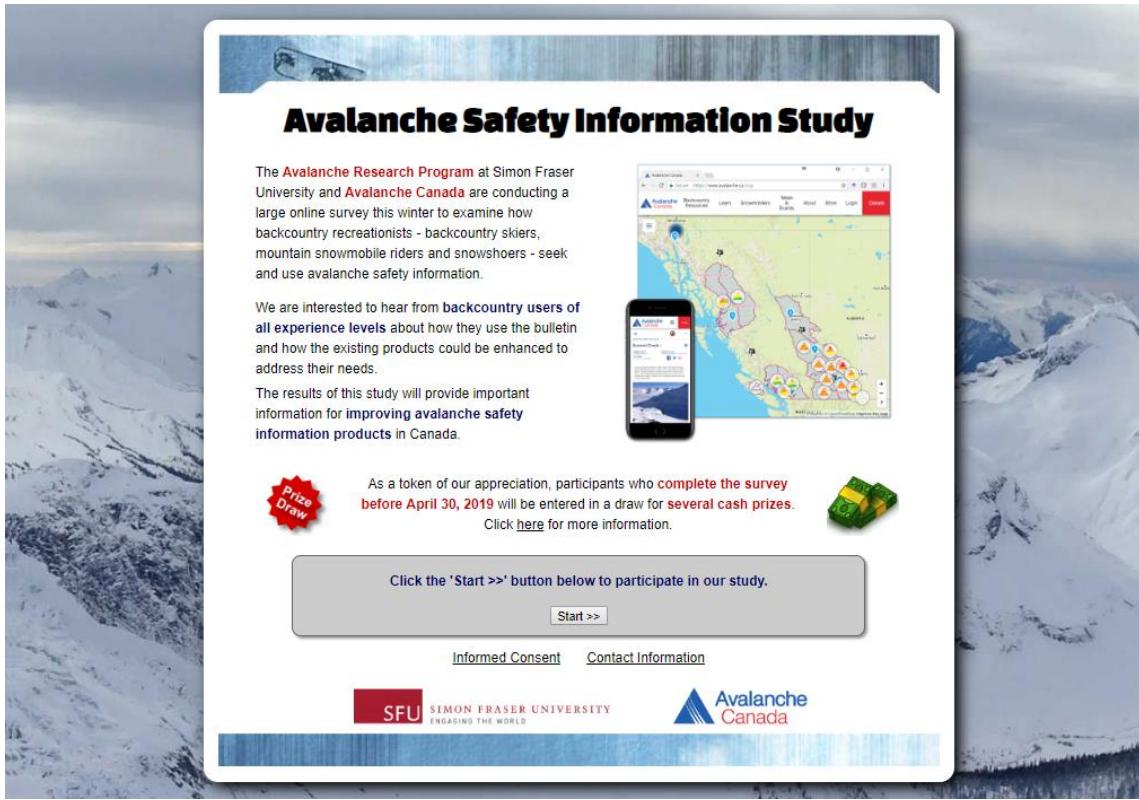


Figure A.1. Survey landing page

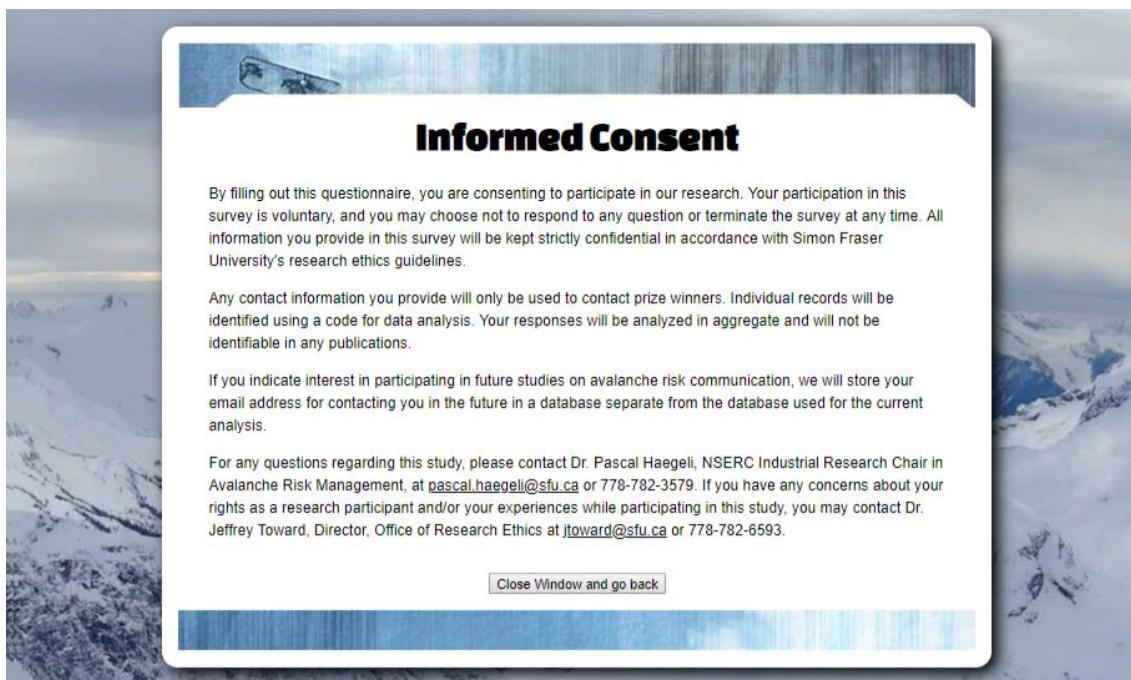


Figure A.2. Statement of informed consent

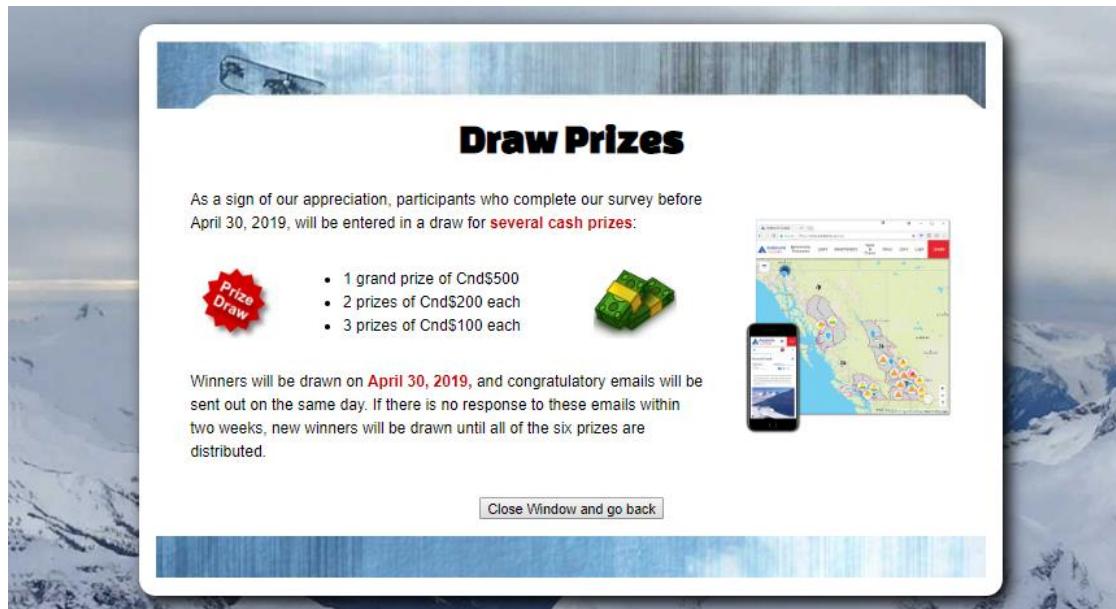


Figure A.3. Draw prize information

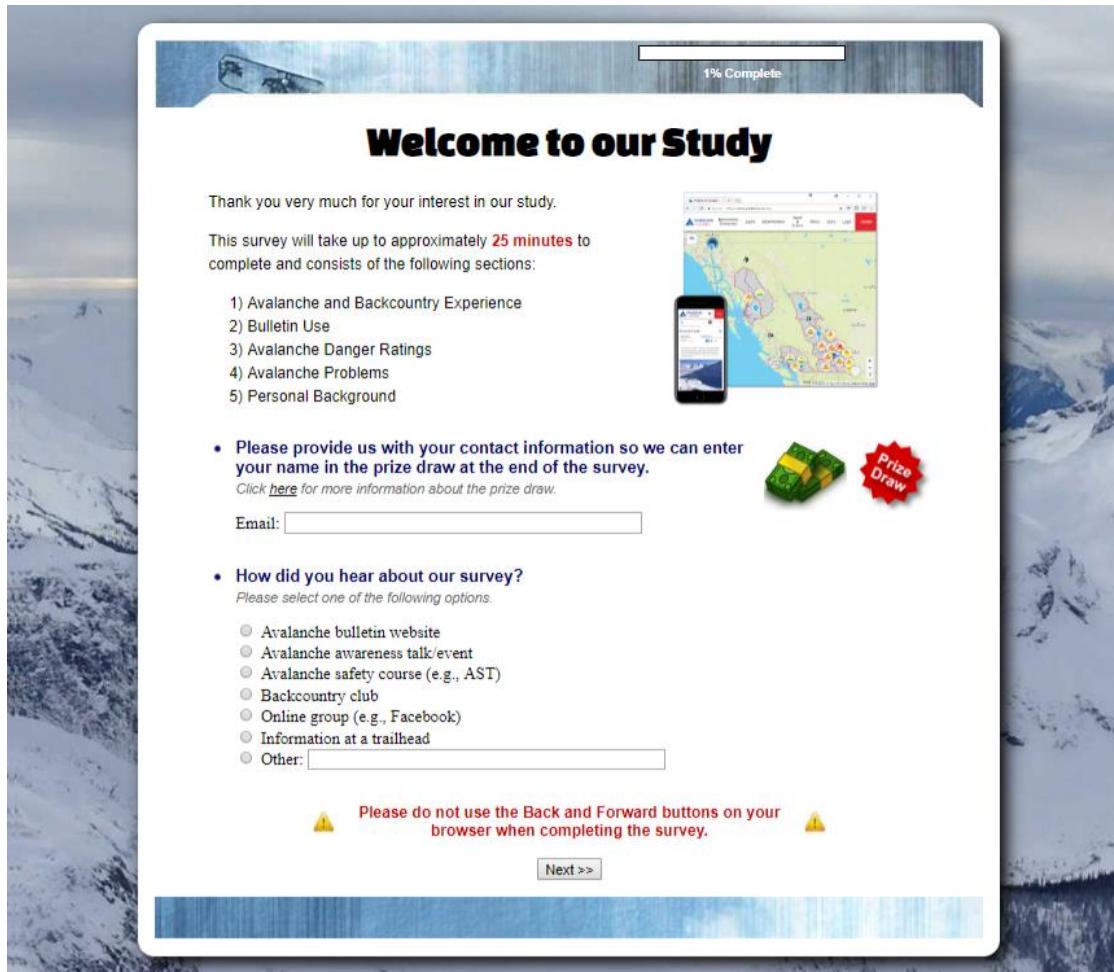


Figure A.4. Survey introduction

Personal Background

• What winter backcountry activity or activities do you most associate with? *

Please select at least one activity in the first column.

	First activity	Second activity	Third activity
Mountain snowmobile riding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Backcountry skiing/snowboarding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Snowmobile-access backcountry skiing/snowboarding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Out-of-bounds skiing/snowboarding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Snowshoeing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ice climbing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other: <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

• Overall, how much experience do you have in all your winter backcountry activities combined?

Please select the appropriate option in each column.

Number of winters	Average number of days per winter
<input type="radio"/> This was my first winter	<input type="radio"/> 1-2 days per winter
<input type="radio"/> 2-5 winters	<input type="radio"/> 3-10 days per winter
<input type="radio"/> 6-10 winters	<input type="radio"/> 11-20 days per winter
<input type="radio"/> 11-20 winters	<input type="radio"/> 21-50 days per winter
<input type="radio"/> More than 20 winters	<input type="radio"/> More than 50 days per winter

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Figure A.5. Backcountry activities, days per winter and years of experience

9% Complete

Avalanches and You

• Which of the following statements best describes your thinking about avalanches? *
Please select one of the following options.

I generally do not think about avalanches where I go.
 I know that avalanches can happen in some of the places I go, but avalanche danger generally does not affect my choices.
 I have not taken a formal avalanche safety course (e.g., Canadian AST1 or U.S. Level 1) since my personal backcountry experience has provided me with all the skills I need for managing avalanche danger where I go.
 I have not taken a formal avalanche safety course, but I would like to learn more about avalanche safety because I sometimes worry about being caught.
 I have taken a formal avalanche course with a field component, but I don't regularly apply what I learned.
 I have taken a formal avalanche course with a field component and I am practicing my skills whenever I can.
 I have taken a formal avalanche course and have several seasons of experience applying these skills. Avalanche risk mitigation has become an integral part of my backcountry practice.

➔ What is the highest level of formal avalanche awareness training you have completed? *
Please select one of the following options.

Free avalanche awareness seminar (approx. 3 hrs)
 Classroom component of an introductory avalanche awareness course (e.g., classroom component of Canadian AST 1; U.S. Awareness)
 Complete introductory avalanche awareness course with a field day (e.g., complete 2-day Canadian AST 1; U.S. Level 1 Avalanche)
 Advanced avalanche awareness course (e.g., complete 4-day Canadian AST 2, U.S. Level 2 Avalanche)
 Professional level avalanche training (e.g., CAA ITP Level 1 or higher, U.S. Professional Avalanche 1 or higher)
 Other: _____

➔ What year did you complete your most recent formal avalanche awareness training or refresher? *
Please enter the approximate year.

• Please rate your confidence in your personal ability ...
Please rate your confidence on a scale from 0 (Cannot do at all) to 100 (Highly certain can do).

... to recognize situations in which you are likely to trigger an avalanche.	... to distinguish avalanche terrain from non-avalanche terrain.	0 10 20 30 40 50 60 70 80 90 100
Cannot do at all	Moderately can do	Highly certain can do

Figure A.6. Avalanche training and personal confidence indicators

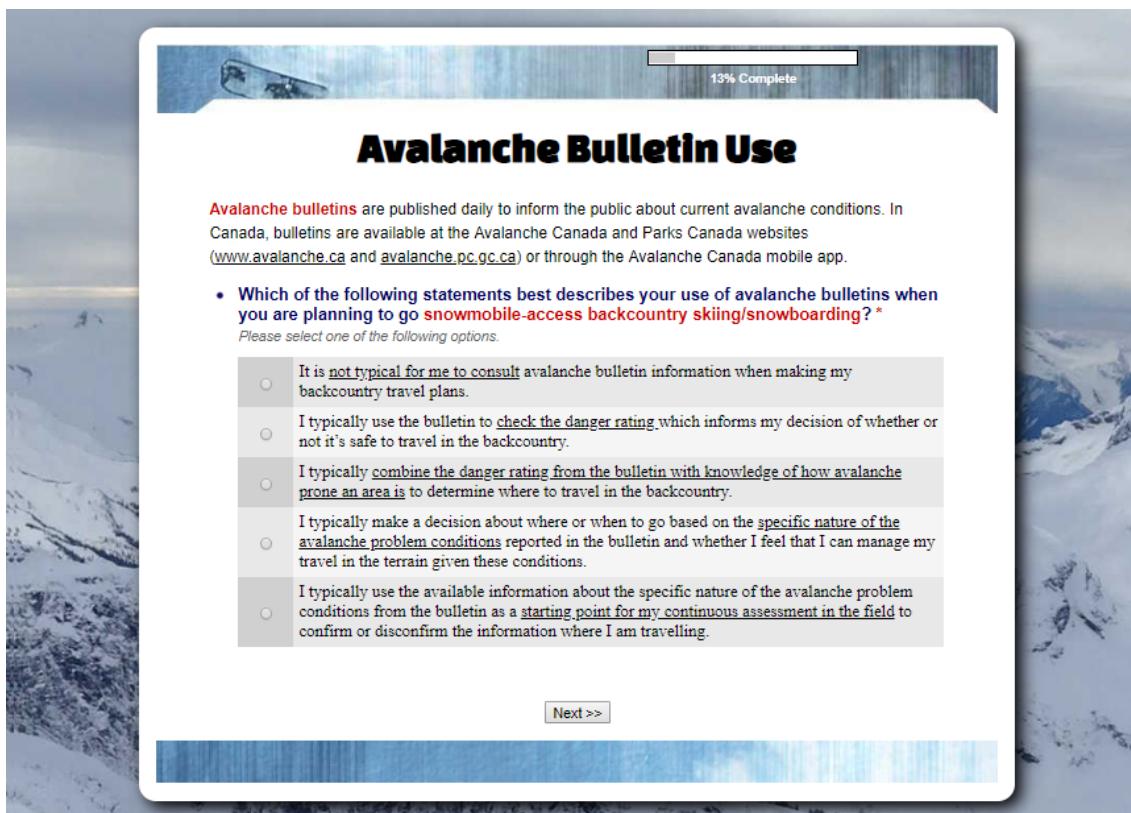


Figure A.7. The avalanche bulletin user type question (this screen shot does not show the option for Type F)

18% Complete

Avalanche Conditions Knowledge

On this page we are interested in your perspective of how much knowledge of avalanche conditions you think you need for **your typical snowmobile-access backcountry skiing/snowboarding trips** and how the avalanche bulletin contributes to that knowledge.

- Please rate the knowledge of avalanche conditions you think ...**

Please rate the level of knowledge on a scale from 0 to 100, where 0 means that you know absolutely nothing and 100 means you know absolutely everything there is to know.

Knowing nothing at all about avalanche conditions	Knowing absolutely everything there is to know about avalanche conditions
... you <u>need to feel comfortable</u> going on your typical snowmobile-access backcountry skiing/snowboarding trips. ... you <u>generally have</u> before your typical snowmobile-access backcountry skiing/snowboarding trips in a bulletin region. ... you would have before your typical snowmobile-access backcountry skiing/snowboarding trips <u>if no bulletins existed for that region</u> .	<div style="width: 100%; height: 10px; background-color: #ccc; position: relative;"> <div style="width: 10%; height: 100%; position: absolute; left: 0; top: 0; background-color: #555; opacity: 0.5;"></div> </div> <div style="margin-top: 5px; font-size: small;">0 10 20 30 40 50 60 70 80 90 100</div>

- What tends to be your decision-making role in the groups you typically go **snowmobile-access backcountry skiing/snowboarding** with?**

Please check the appropriate option.

I am the primary decision-maker in the group.
 I am part of a small number of individuals who make the decision together.
 Everybody in our group contributes to the decisions equally.
 I speak up when I have concerns, but I leave the decision-making to others.
 I leave the decision-making up to others.

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Figure A.8. Information insufficiency questions and typical group roles, version 1, for avalanche bulletin users

Avalanche Conditions Knowledge

On this page we are interested in your perspective of how much avalanche knowledge you need for **your typical out-of-bounds skiing/snowboarding trips**.

- Please rate the knowledge of avalanche conditions you think ...**

Please rate the level of knowledge on a scale from 0 to 100, where 0 means that you know absolutely nothing and 100 means that you know absolutely everything there is to know.

Knowing nothing at all about avalanche conditions	Knowing absolutely everything there is to know about avalanche conditions
<input type="text"/>	<input type="text"/>
0 10 20 30 40 50 60 70 80 90 100	

- What tends to be your decision-making role in the groups you typically go **out-of-bounds skiing/snowboarding** with?**

Please check the appropriate option.

I am the primary decision-maker in the group.
 I am part of a small number of individuals who make the decision together.
 Everybody in our group contributes to the decisions equally.
 I speak up when I have concerns, but I leave the decision-making to others.
 I leave the decision-making up to others.

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Figure A.9. Information insufficiency questions and typical group roles, version 2, for non-avalanche bulletin users

Slope Choice Scenario Intro

On the next page, you will be given a **hypothetical avalanche bulletin** that includes the same type of information as is included in real avalanche bulletins. In addition, you will be presented with **four possible slope options** as shown in the image on the right.

Your task is to examine the available information and indicate which of the available slopes you would be comfortable travelling on under the current conditions if you were in charge of this decision.

To make sure that our results are truly meaningful, it is important that you answer our questions as honestly as possible.

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The screenshot on the right shows a digital avalanche bulletin interface with a map of a mountain peak. The map highlights four specific slopes labeled A, B, C, and D. Slope A is shaded green, while slopes B, C, and D are shaded orange. The interface also includes sections for 'Forecast', 'Avalanche Profile 1: Slope Stats', and various weather and terrain icons.

Figure A.10. Slope choice scenario introduction, version 1, for avalanche bulletin users

Slope Choice Scenario Intro

We understand that it is not typical for you to consult the avalanche bulletin when planning to go out-of-bounds skiing/snowboarding. However, to better understand the general accessibility of information presented in avalanche bulletins, it is extremely valuable to us to ask you a few questions that show us how you would naturally interpret the presented information.

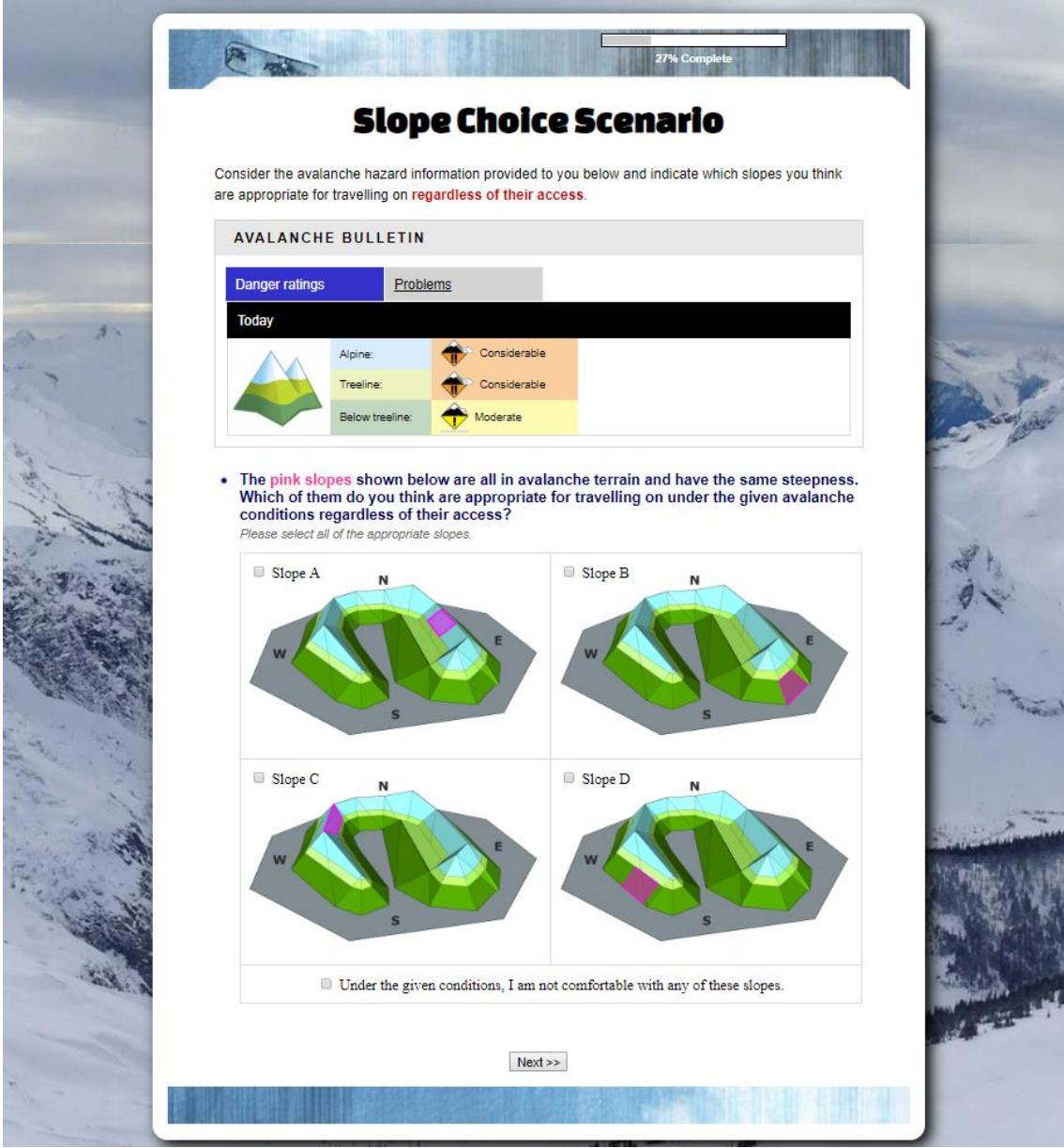
On the next page, you will be given a **hypothetical avalanche bulletin** that includes the same type of information as is included in real avalanche bulletins. In addition, you will be presented with **four possible slope options** as shown in the image on the right.

Your task is to examine the available information and indicate which of the available slopes you would be comfortable travelling on under the current conditions if you were in charge of this decision.

To make sure that our results are truly meaningful, it is important that you answer our questions as honestly as possible.

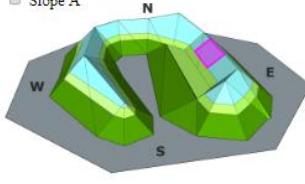
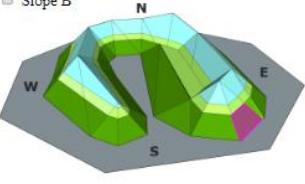
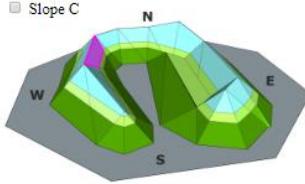
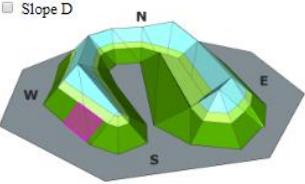
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Figure A.11. Slope choice scenario introduction, version 2, for non-avalanche bulletin users

A screenshot of a computer interface titled "Slope Choice Scenario". At the top, there is a progress bar showing "27% Complete". Below the title, a message reads: "Consider the avalanche hazard information provided to you below and indicate which slopes you think are appropriate for travelling on regardless of their access." A section titled "AVALANCHE BULLETIN" contains a "Danger ratings" tab (which is selected) and a "Problems" tab. Under "Today", it shows danger levels: Alpine (Considerable), Treeline (Considerable), and Below treeline (Moderate). Below this, a list of slopes is presented:

- The pink slopes shown below are all in avalanche terrain and have the same steepness. Which of them do you think are appropriate for travelling on under the given avalanche conditions regardless of their access?

Please select all of the appropriate slopes.

<input type="checkbox"/> Slope A		<input type="checkbox"/> Slope B	
<input type="checkbox"/> Slope C		<input type="checkbox"/> Slope D	
<input type="checkbox"/> Under the given conditions, I am not comfortable with any of these slopes.			

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Figure A.12. Slope choice question. Note: only the danger rating information is displayed in this screenshot

25% Complete

Slope Choice Scenario Debrief

We are curious to learn more about how you came to your decision. Below is the same avalanche bulletin information as presented on the previous page.

AVALANCHE BULLETIN

- Danger ratings** **Problems**

Today

	Alpine Considerable Treeline Considerable Below treeline Moderate
--	--

• **Can you provide insight on why you chose or did not choose specific slopes?**
Please select all of the appropriate choices for each slope.

Slope A: alpine, west-facing <p>I CHOSE this slope because ... <input type="checkbox"/> Danger rating was acceptable. <input type="checkbox"/> I guessed. <input type="checkbox"/> Other: _____</p>	Slope B: below treeline, south-east facing <p>I DID NOT choose this slope because ... <input type="checkbox"/> Danger rating was unacceptable. <input type="checkbox"/> I guessed. <input type="checkbox"/> Other: _____</p>
Slope C: alpine, south-east facing <p>I DID NOT choose this slope because ... <input type="checkbox"/> Danger rating was unacceptable. <input type="checkbox"/> I guessed. <input type="checkbox"/> Other: _____</p>	Slope D: below treeline, south-west facing <p>I CHOSE this slope because ... <input type="checkbox"/> Danger rating was acceptable. <input type="checkbox"/> I guessed. <input type="checkbox"/> Other: _____</p>

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Figure A.13. Slope choice follow-up question

33% Complete

Avalanche Bulletin Use

- Which of the Canadian avalanche bulletin region or regions do you most frequently travel in? If you travel outside of Canada, please use the 'Other' options to indicate the state or country you travel in.

Please select up to three forecast regions.

	Most freq.	Second most freq.	Third most freq.
Northwest Coastal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Northwest Inland	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vancouver Island	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sea-To-Sky	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
South Coast	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
South Coast Inland	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cariboo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
North Columbia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Glacier National Park	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
South Columbia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kootenay - Boundary	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
North Rockies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Jasper National Park	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Little Yoho	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Banff, Yoho, and Kootenay National Parks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kananaskis Country	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
South Rockies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lizard Range and Flathead	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Waterton Lakes National Parks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other: <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other: <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Most freq.	Second most freq.	Third most freq.

- Avalanche bulletins in Canada and the US consist of several parts. How often do you use each of these parts? *

Please select the appropriate option for each of the bulletin parts.

	Never	Irregularly	Only under special circumstances	Often	Always when I plan a trip	Every day
The <u>danger ratings</u> for the region of your interest.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The <u>avalanche problem descriptions</u> for the region of your interest.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The <u>forecast details</u> for the region of your interest.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Avalanche Canada's <u>Mountain Information Network</u> (MIN) reports (link).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Figure A.14. Backcountry regions of use

Avalanche Bulletin Use

- You stated that it is not typical for you to consult avalanche bulletin information when planning a **out-of-bounds** skiing/snowboarding trip. What are the reasons for your choice?

Please check all of the relevant reasons.

I wasn't aware that an avalanche bulletin exists.
 Avalanches are not a concern in the backcountry areas I typically go to.
 I use other information sources such as trailhead signs, friends or social media.
 The avalanche bulletin does not seem to be targeted at or relevant for backcountry users like me.
 I used the avalanche bulletin for a while, but it did not seem to provide useful information.
 Avalanche bulletins are not available for the backcountry areas I typically go to.
 Other: [Text Input]

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Figure A.15. Reasons for not using the avalanche bulletin (only non-avalanche bulletin users saw this question)

Avalanche Danger Scale

Despite the fact that you never or have yet to use avalanche bulletins, we are interested in **your intuitive understanding** of the **North American Public Avalanche Danger Scale**, a key tool for communicating the avalanche danger to the public. To make sure our results are truly meaningful, it is important that you answer these questions honestly and don't search for the answers on the internet! **Please don't cheat!**

- The danger scale uses the five terms shown below to describe the general severity of avalanche conditions. Please use the dropdowns to order the levels from the least to the most severe. Please note that the terms are presented in random order.

For each term, use the drop down to pick a number between 1 and 5. Use each number only once.

Order	Term	Value
Extreme	Extreme	Please select ... ▾
High	High	Please select ... ▾
Considerable	Considerable	Please select ... ▾
Low	Low	Please select ... ▾
Moderate	Moderate	Please select ... ▾

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Figure A.16. Danger rating order question (only non-avalanche bulletin users saw this question)

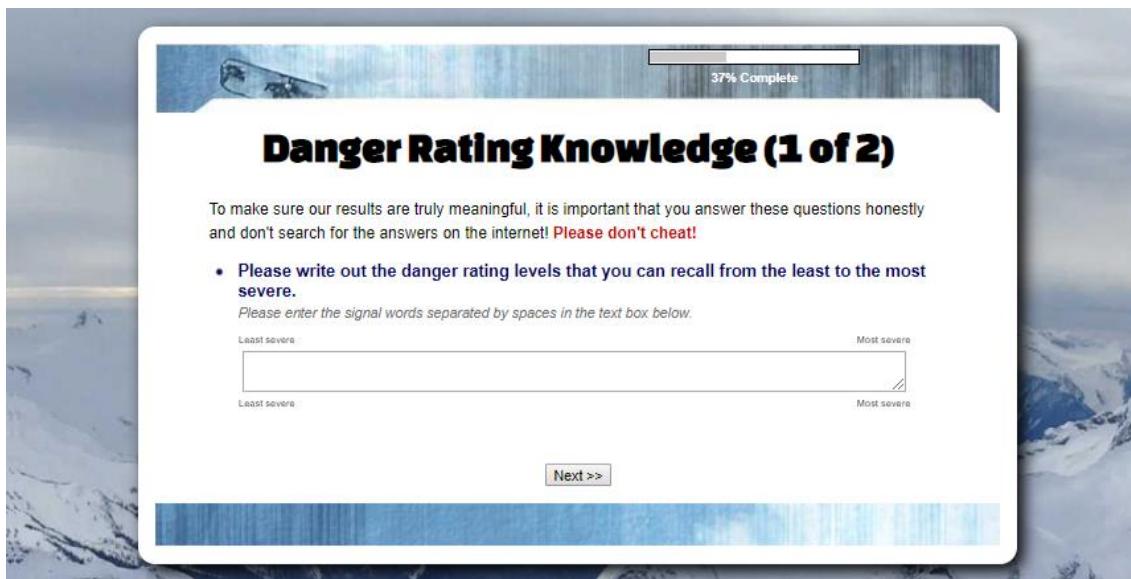


Figure A.17. Danger rating recall question

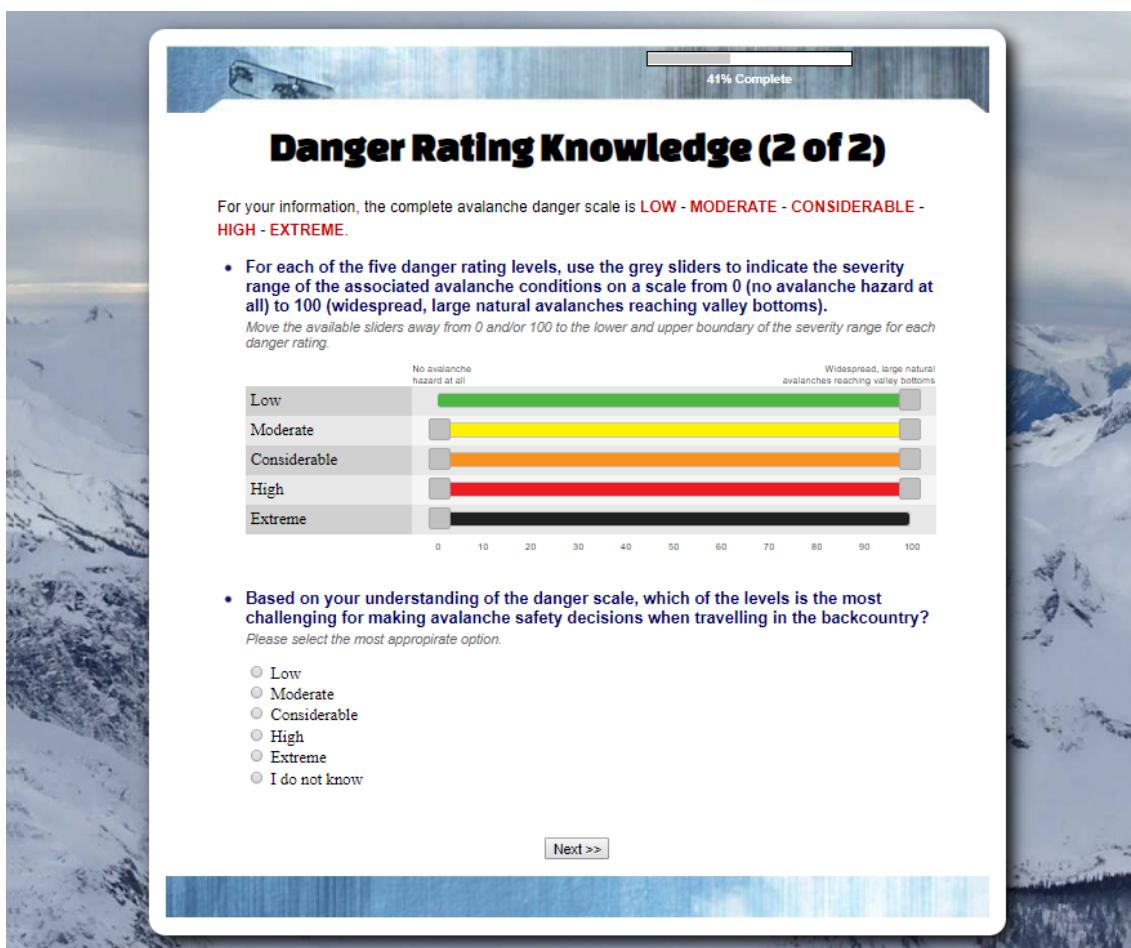


Figure A.18. Danger rating severity perception question

45% Complete

Danger Rating Use

- For each of the five avalanche danger ratings, which of the following statements best reflects how the particular level affects your decision to go **snowmobile-access backcountry skiing/snowboarding or not?**^{*}

Select one statement for each danger rating. It is possible to choose the same statement for multiple avalanche danger rating levels.

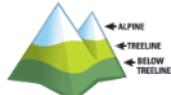
At this danger rating level, ...

Low	<input type="text" value="Please select ..."/>	▼
Moderate	<input type="text" value="Please select ..."/>	▼
Considerable	<input type="text" value="Please select ..."/>	▼
High	<input type="text" value="Please select ..."/>	▼
Extreme	<input type="text" value="Please select ..."/>	▼

- Imagine you're planning a backcountry trip where you primarily travel below treeline, but occasionally cross large open slopes. Which danger ratings would you consider in your planning process?

Select all applicable options.

The danger rating for the alpine elevation band.
 The danger rating for the treeline elevation band.
 The danger rating for the below treeline elevation band.



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Figure A.19. Danger rating: 1st question- danger rating decision question 2nd question- danger rating conditions management question

49% Complete

Introduction to Scenarios

On the previous page, you stated that the danger rating plays **at least some part** in your decision about whether or not to go **snowmobile-access backcountry skiing/snowboarding** when the danger is forecasted as **Low** or **Moderate**.

On the next page of the survey, you will be asked to assess five route photos under a specific avalanche danger level. Your task is to indicate for each photo how comfortable you would be snowmobile-access backcountry skiing/snowboarding in terrain similar to what is shown in the photo under the given danger rating.



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Figure A.20. Introduction to the danger rating application question

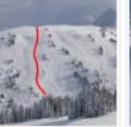
53% Complete

Danger Rating Scenarios

- Given a danger rating of MODERATE, how do you personally feel about snowmobile-access backcountry skiing/snowboarding in terrain similar to the routes indicated on the photos?

Select the option that appeals most to you for each terrain photo.

The relevant danger rating for this scenario is MODERATE 

					
I would be <u>comfortable</u> travelling on this terrain.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would have <u>some concerns</u> about travelling on this terrain.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would <u>not travel</u> on this terrain.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would <u>never consider</u> this type of terrain regardless of the danger rating.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Figure A.21. Danger rating application question

Danger Rating Feedback

• Overall, how satisfied are you with the usefulness of the danger ratings posted in Canadian avalanche bulletins for your decision-making process?

Please check the appropriate option.

Not at all satisfied.
 A little bit satisfied.
 Partially satisfied.
 Satisfied to a large extent.
 Completely satisfied.

• Earlier, you stated that you only **irregularly** use avalanche danger ratings for your decision-making process. What are your reasons for not using danger ratings more frequently?

Please check all reasons that apply.

Danger ratings are mostly not relevant for the places I go to.
 I use other cues like open backcountry gates at ski resorts.
 Danger ratings are confusing to me.
 Danger ratings do not seem to be targeted at backcountry users like me.
 Danger ratings are only for beginners.
 Danger ratings are not accurate enough for my decision-making needs.
 Danger ratings are too general for my decision-making process.
 I have other, more relevant sources of avalanche safety information for my decision process.
 Other: _____

• Do you have any suggestions for improving the effectiveness of avalanche danger ratings for your decision-making process?

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Figure A.22. Danger rating feedback

Avalanche Problem Types (1 of 2)

We are now moving on to the **Avalanche Problem Section** of the bulletin. To make sure our results are truly meaningful, it is important that you answer these questions honestly and don't search for the answer on the internet! **Please don't cheat!**

- Avalanche bulletins in Canada and the US use eight different avalanche problem types to describe the nature of the avalanche hazard. Please list any avalanche problem type you may recall.

Please enter the name of the avalanche problem types in the text boxes below.

1. <input type="text"/>	2. <input type="text"/>
3. <input type="text"/>	4. <input type="text"/>
5. <input type="text"/>	6. <input type="text"/>
7. <input type="text"/>	8. <input type="text"/>

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Figure A.23. Avalanche problem recall question (note: US participants were presented with nine free-text boxes)

Avalanche Problem Types (2 of 2)

The complete list of avalanche problem types used in Canadian and American avalanche bulletins is:

• Cornice avalanche problem	• Deep persistent slab avalanche problem	• Dry loose avalanche problem	• Persistent slab avalanche problem	• Storm slab avalanche problem	• Wet loose avalanche problem	• Wet slab avalanche problem	• Wind slab avalanche problem
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- Based on your personal understanding of avalanche problem types, how challenging is it to assess avalanche hazard in the field for each of the following five avalanche problem types?

Please rate the degree of challenge for each avalanche problem type on a scale from 0 to 100, where 0 means not challenging at all and 100 means extremely challenging. If you do not have an answer, please check the 'I don't know' check box.

	I don't know	Not challenging at all	Extremely challenging
Wind slab avalanche problem	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text"/>
Persistent slab avalanche problem	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text"/>
Dry loose avalanche problem	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text"/>
Wet slab avalanche problem	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text"/>
Storm slab avalanche problem	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text"/>

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Figure A.24. Avalanche problem perception question

68% Complete

Avalanche Problems

Avalanche bulletins also use a series of **graphics and terms to describe the nature of avalanche danger**. We are interested in learning more about your interpretation of these communication tools.

- Using a numeric scale that describes the likelihood of avalanches occurring from 0 to 100%, where would you place the following likelihood terms? Note that the terms are presented in random order.

Please rate the chance of avalanches on a scale from Never (0% or 0 in 10) to Always (100% or 10 in 10).

	Never	Less often than not	Half the time	More often than not	Always
Unlikely	<input type="text"/>	<input checked="" type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Possible	<input type="text"/>	<input checked="" type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Likely	<input type="text"/>	<input checked="" type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

- If you were presented with the graphic shown below, how harmful do you believe the largest potential avalanches are?

Please select one of the following options.

Completely harmless to people.
 Relatively harmless to people, but can push you over a cliff or bury you if caught in the wrong spot.
 Big enough to fully bury, injure or kill a person.
 Big enough to bury and destroy a car.
 Big enough to destroy a large truck.
 Big enough to destroy a village.



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Figure A.25. Avalanche problem components (version 1): 1st question- likelihood indicator perception, 2nd question- size icon question. Note: half the sample were shown the size icon question, and half were shown the aspect icon question in the following figure

68% Complete

Avalanche Problems

Avalanche bulletins also use a series of **graphics and terms to describe the nature of avalanche danger**. We are interested in learning more about your interpretation of these descriptors.

- The scale describing the likelihood of avalanches uses the terms **UNLIKELY, POSSIBLE, LIKELY, VERY LIKELY, and ALMOST CERTAIN**. Using a numeric scale that describes the likelihood of avalanches occurring from 0 to 100%, where would you place these terms? Note that the terms are presented in random order.

Please rate the chance of avalanches on a scale from Never (0% or 0 in 10) to Always (100% or 10 in 10).

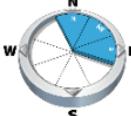
Never	Less often than not	Half the time	More often than not	Always
Unlikely	<input type="checkbox"/>			
Likely	<input type="checkbox"/>			
Possible	<input type="checkbox"/>			

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

- If you were presented with the graphic shown below, on which aspects do you think the avalanche problem would be present?

Please select all of the appropriate options.

<input type="checkbox"/> North <input type="checkbox"/> Northeast <input type="checkbox"/> East <input type="checkbox"/> Southeast	<input type="checkbox"/> South <input type="checkbox"/> Southwest <input type="checkbox"/> West <input type="checkbox"/> Northwest
---	---



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Figure A.26. Avalanche problem components (version 2): 1st question- likelihood indicator perception, 2nd question- aspect icon question. Note: half the sample were shown the aspect icon question, and half were shown the size icon question in the previous figure

Avalanche Problem Management

• How applicable are the following mitigation approaches for managing a **persistent slab** or **storm slab** avalanche problem? If you are not comfortable making these choices, select 'I don't know' at the bottom.

Please select all of the appropriate options for each avalanche problem separately.

	Persistent slab	Storm slab				
	Highly applicable	Somewhat applicable	Not applicable	Highly applicable	Somewhat applicable	Not applicable
Travel early and be done by mid-day.	<input type="radio"/>					
Allow 48 hours for the new snow to settle and bond.	<input type="radio"/>					
Avoid areas in the lee of ridge lines.	<input type="radio"/>					
Be suspicious of flat terrain that is connected to slopes steep enough to slide.	<input type="radio"/>					
Seek out northerly aspects and high elevations.	<input type="radio"/>					
Avoid steep, narrow chutes.	<input type="radio"/>					

OR

	Persistent slab	Storm slab				
	Highly applicable	Somewhat applicable	Not applicable	Highly applicable	Somewhat applicable	Not applicable
I don't know.	<input type="checkbox"/>					

OR

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Figure A.27. Avalanche problem mitigation question

Avalanche Problem Feedback

• Overall, how satisfied are you with the usefulness of the avalanche problem descriptions posted in Canadian avalanche bulletins for your decision-making process? Please check the appropriate option.

Not at all satisfied.
 A little bit satisfied.
 Partially satisfied.
 Satisfied to a large extent.
 Completely satisfied.

• Earlier, you stated that you only **irregularly** use avalanche problem descriptions for your decision-making process. What are your reasons for not using avalanche problem descriptions more frequently? Please check all of the relevant reasons.

I wasn't aware that the avalanche problems section existed.
 Avalanche problems are not relevant for the places I go to.
 The avalanche problems section of the bulletin is too technical and I don't understand it.
 Avalanche problems does not seem to be targeted at or relevant for backcountry users like me.
 The avalanche problem information is overwhelming, confusing and/or frustrating.
 Avalanche problems are only for experts.
 Avalanche problems are too specific for my decision-making process.
 I have other, more relevant sources of avalanche safety information for my decision process.
 Other: _____

• Do you have any suggestions for improving the effectiveness of avalanche problem descriptions for your decision-making process?

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Figure A.28. Avalanche problem feedback question

85% Complete

Your Backcountry Partners

• Which of the following statements best describes the learning environment that was most formative for how you approach the management of avalanche risk today?
Please check the most appropriate option.

I had a personal mentor who showed me the ropes.
 I learned by myself using books, websites, blogs, etc.
 I was part of a group of friends all learning together.
 I joined an outdoor club.
 I took an avalanche course.
 Other: []

• How well do the following statements match your personal situation?
Please select the appropriate level between 'Not at all' and 'Definitely' for each statement.

	Not at all		Definitely
People whose opinions I value approve of my attitude towards gathering avalanche safety information.	<input type="checkbox"/>		<input type="checkbox"/>
It is important to me what those whose opinions I value think about my avalanche safety information practices.	<input type="checkbox"/>		<input type="checkbox"/>
The people I tend to head into the backcountry with are likely to seek information related to avalanche danger.	<input type="checkbox"/>		<input type="checkbox"/>
It is expected of me that I seek information about avalanche risk.	<input type="checkbox"/>		<input type="checkbox"/>

0 10 20 30 40 50 60 70 80 90 100

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Figure A.29. Others in the backcountry: 1st question- most meaningful learning source, 2nd question- informational subjective norms questions

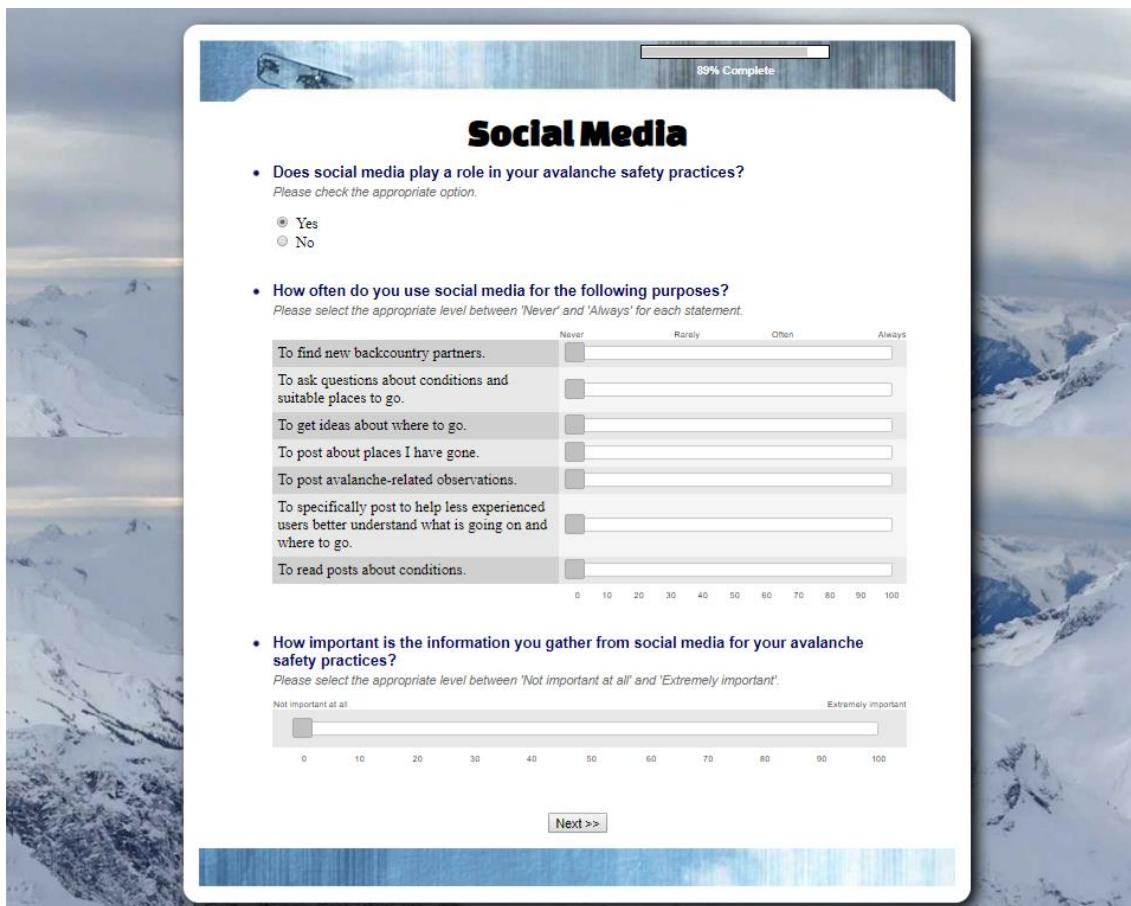


Figure A.30. Social media questions

Personal Information

94% Complete

- What is your gender?**
Please check the appropriate option.
 Male
 Female
 Non-binary/third gender
 Prefer to self-describe:
 Prefer not to say
- Which of the following age categories describes you?**
Please select one of the following options.
 Under 20
 20 to 24
 25 to 34
 35 to 44
 45 to 54
 55 or over
- Are you colour blind?**
Please check the appropriate option.
 No
 Yes, I am Red-Green color blind.
 Yes, I am Blue-Yellow color blind.
 Yes, I am totally color blind.
- Are you married or in a long-term partnership?**
Please check the appropriate option.
 Yes
 No
- Do you have children?**
Please check the appropriate option.
 Yes
 No
- What is the highest level of education you have completed?**
Please select one of the following options.
 Less than high school
 Completed high school
 Some post secondary education (not completed)
 Trades or non-university certificate or diploma
 Completed university
 Post graduate degree
- Where is your main residence?**
Please select the appropriate options.
Country:
Province/State: (only if you live in Canada or the USA)
City/Town:

Figure A.31. Demographic questions

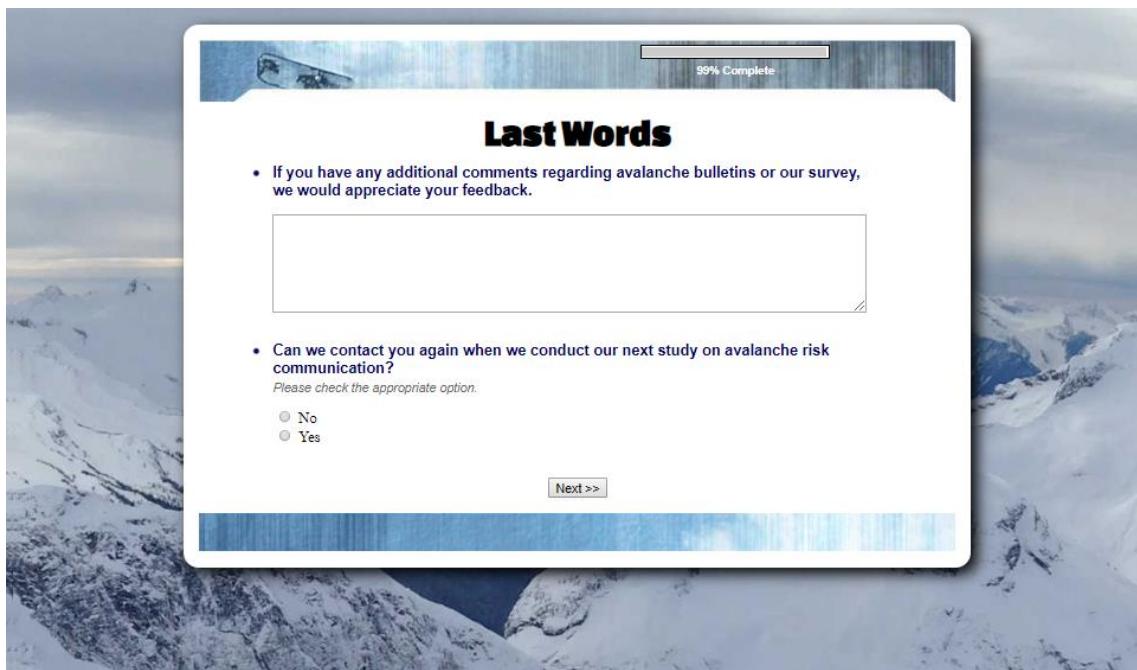


Figure A.32. Final feedback