

BACKGROUND:

From Impacts to Adaptation: Canada in a Changing Climate 2007 is a national-scale assessment of climate change impacts and adaptation in Canada. Chapter 3 (Northern Canada) identifies key climate change issues facing northern Canada and highlights current and potential adaptation initiatives.

SURVEY PURPOSE:

To gather the perspectives of Yukon sector representatives on:

- Potential implications of climate change and sector specific adaptations.
- Knowledge gaps in the Northern Canada chapter and research needs

PART A - RESPONDENT INFORMATION:

Thank you for your voluntary participation in this survey. Results of this survey will be used to guide the next steps in helping Yukon communities adapt to climate change. Results may be published but your identifying information will not be published anywhere for any reason. We are collecting your identifying information for our own records only.

1. Profile information

Name	
Employer	
Position	
Length of time in this field	
Length of time in this position	
Daily operations / role in sector	

Mailing address	
Phone	
Fax	
Email	

2. What category best describes your role in the sector?

- Government - First Nations
- Government - Federal
- Government - Territorial
- Private Sector – Business
- Private Sector – Consultant
- Non-governmental Organization
- First Nations Organization (non-government)
- Academia
- Other (please specify) _____

3. Have you read Chapter 3 – Northern Canada (*From Impacts to Adaptation: Canada in a Changing Climate 2007*)?

Yes No

4. Would you like to receive a summary report of the results of this survey?

Yes No

5. What Yukon region do you work / operate in?

- Watson Lake 1
- Southern Lakes 2
- Whitehorse 3
- Kluane 4
- Campbell 5
- Klondike 6
- North Yukon 7

6. What stresses / constraints in your area of work are you currently dealing with?

- Staff shortages 1
- Strength of the dollar 2
- Government regulations 3
- Environmental regulations 4
- Lack of resources 5
- Land disputes 6
- Economic downturn 7
- Transportation access 8
- Competition from other regions 9

Other (please specify) _____

7. What category best describes your role?

- Senior/executive management 1
- Operations management 2
- Office and administration 3
- (e.g. Human Resources, PR, Marketing, Sales)
- Tour Guide – hunting / fishing 4
- Tour Guide – sightseeing 5
- Park warden 6

Other _____

PART B– ENVIRONMENTAL CONDITIONS – CURRENT STATUS & SIGNIFICANCE:

1. For the following climate change impacts, please indicate whether you have observed their occurrence and if you think they are significant within your work.

IMPACT	OCCURRENCE				SIGNIFICANCE				COMMENTS
FISH AND WILDLIFE									
Changes in the distribution, population, and/or health of wildlife species important to sport-hunting ventures	YES	NO	Don't Know	<input checked="" type="checkbox"/>	Significant	Insignificant	Not Relevant	Don't Know	
Changes in the distribution, population, and/or health of fish important to sport fisheries	YES	NO	Don't Know	<input checked="" type="checkbox"/>	Significant	Insignificant	Not Relevant	Don't Know	

TRANSPORTATION AND ACCESS									
Increased floods (ice jam floods etc.)	YES	NO	Don't Know	<input type="checkbox"/>	Significant	Insignificant	Not Relevant	Don't Know	
Longer ice-free seasons are increasing access for tourists	YES	NO	Don't Know	<input type="checkbox"/>	Significant	Insignificant	Not Relevant	Don't Know	
Longer ice free seasons are reducing access for tourists	YES	NO	Don't Know	<input type="checkbox"/>	Significant	Insignificant	Not Relevant	Don't Know	
Weather more unpredictable and therefore more difficult to plan tourist activities / transportation access	YES	NO	Don't Know	<input type="checkbox"/>	Significant	Insignificant	Not Relevant	Don't Know	
Increased incidence of forest fires	YES	NO	Don't Know	<input type="checkbox"/>	Significant	Insignificant	Not Relevant	Don't Know	
Warmer weather extending tourist season	YES	NO	Don't Know	<input type="checkbox"/>	Significant	Insignificant	Not Relevant	Don't Know	
More extreme weather	YES	NO	Don't Know	<input type="checkbox"/>	Significant	Insignificant	Not Relevant	Don't Know	
OPERATIONS									
Receding glaciers	YES	NO	Don't Know	<input type="checkbox"/>	Significant	Insignificant	Not Relevant	Don't Know	

Increased winter snowfalls	YES	NO	Don't Know	■	Significant	Insignificant	Not Relevant	Don't Know	
Spruce bark beetle infestation	YES	NO	Don't Know	■	Significant	Insignificant	Not Relevant	Don't Know	
Increased incidence of avalanches	YES	NO	Don't Know	■	Significant	Insignificant	Not Relevant	Don't Know	
Cultural heritage site destruction – permafrost degradation	YES	NO	Don't Know	■	Significant	Insignificant	Not Relevant	Don't Know	
Increased incidence of vector-borne diseases (Lyme or West Nile)	YES	NO	Don't Know	■	Significant	Insignificant	Not Relevant	Don't Know	
Increased numbers of insects (biting flies, bees etc)	YES	NO	Don't Know	■	Significant	Insignificant	Not Relevant	Don't Know	
Changes in weather and ice – a concern for safety	YES	NO	Don't Know	■	Significant	Insignificant	Not Relevant	Don't Know	
NUMBER OF VISITORS									
Changes in climate are making Yukon more appealing for tourists	YES	NO	Don't Know	■	Significant	Insignificant	Not Relevant	Don't Know	

2. What action is being (or not being) undertaken to adapt to current climate change impacts and to plan for potential future impacts? Please share any comments you have on the adaptation listed (Note: Leave empty if not applicable to you)

ADAPTATION	STATUS			COMMENTS			
FISH AND WILDLIFE							
Sport fishery: change harvest levels, gear used, time of year, and/or location of fishing	Already Implemented	Being Implemented	Planned	Not Implemented/ Planned (Should Be)	Not Implemented/ Planned (Unnecessary)	Not Sure	
Sport-hunting/outfitting: change species harvested, timing of year, and/or location	Already Implemented	Being Implemented	Planned	Not Implemented/ Planned (Should Be)	Not Implemented/ Planned (Unnecessary)	Not Sure	
Advertise new hunting/ fishing opportunities	Already Implemented	Being Implemented	Planned	Not Implemented/ Planned (Should Be)	Not Implemented/ Planned (Unnecessary)	Not Sure	
TRANSPORTATION AND ACCESS							
New transportation options / routes developed	Already Implemented	Being Implemented	Planned	Not Implemented/ Planned (Should Be)	Not Implemented/ Planned (Unnecessary)	Not Sure	

Changing the nature of operations (timing, season, focus, etc.)	Already Implemented	Being Implemented	Planned	Not Implemented/ Planned (Should Be)	Not Implemented/ Planned (Unnecessary)	Not Sure	
Promotion of longer tourist season	Already Implemented	Being Implemented	Planned	Not Implemented/ Planned (Should Be)	Not Implemented/ Planned (Unnecessary)	Not Sure	
Contingency planning in case of unusual conditions – e.g. identify new activities if certain ones not available due to weather / ice / fires etc	Already Implemented	Being Implemented	Planned	Not Implemented/ Planned (Should Be)	Not Implemented/ Planned (Unnecessary)	Not Sure	
Enhanced emergency preparedness in case of flooding, forest fire, extreme weather etc.	Already Implemented	Being Implemented	Planned	Not Implemented/ Planned (Should Be)	Not Implemented/ Planned (Unnecessary)	Not Sure	
Engineering responses to protect infrastructure	Already Implemented	Being Implemented	Planned	Not Implemented/ Planned (Should Be)	Not Implemented/ Planned (Unnecessary)	Not Sure	
OPERATIONS							

Engineering responses to protect heritage buildings	Already Implemented	Being Implemented	Planned	Not Implemented/ Planned (Should Be)	Not Implemented/ Planned (Unnecessary)	Not Sure	
Diversification of tourist products offered	Already Implemented	Being Implemented	Planned	Not Implemented/ Planned (Should Be)	Not Implemented/ Planned (Unnecessary)	Not Sure	
Tourist awareness campaigns for enhanced risk of avalanche, forest fires, other natural hazards	Already Implemented	Being Implemented	Planned	Not Implemented/ Planned (Should Be)	Not Implemented/ Planned (Unnecessary)	Not Sure	
Enhanced monitoring capacity – e.g. with increasing avalanches, to identify areas at risk of permafrost thaw	Already Implemented	Being Implemented	Planned	Not Implemented/ Planned (Should Be)	Not Implemented/ Planned (Unnecessary)	Not Sure	
Increased use of weather / forest fire / ice / avalanche forecasts when planning	Already Implemented	Being Implemented	Planned	Not Implemented/ Planned (Should Be)	Not Implemented/ Planned (Unnecessary)	Not Sure	
Closure of certain areas – e.g. to protect wildlife, to protect sensitive pathways etc.	Already Implemented	Being Implemented	Planned	Not Implemented/ Planned (Should Be)	Not Implemented/ Planned (Unnecessary)	Not Sure	

NUMBER OF VISITORS							
Enhanced advertising of tourist opportunities	Already Implemented	Being Implemented	Planned	Not Implemented/ Planned (Should Be)	Not Implemented/ Planned (Unnecessary)	Not Sure	
Develop new tourist niches	Already Implemented	Being Implemented	Planned	Not Implemented/ Planned (Should Be)	Not Implemented/ Planned (Unnecessary)	Not Sure	
Change price of activities / tourist products offered	Already Implemented	Being Implemented	Planned	Not Implemented/ Planned (Should Be)	Not Implemented/ Planned (Unnecessary)	Not Sure	

3. Are there other climate change adaptations occurring (or planned) that aren't listed above?

No 1

Yes 2

If yes, what are they?

4.a Do you consider climate change an important issue?

No 1

Yes 2

Don't know 3

4.b Does your workplace consider climate change an important issue?

No **1** Yes **2** Don't know **3**

5. In your work are climate change impacts being dealt with:

Proactively (i.e. before impacts affect you) **1**
Reactively (i.e. after you have started to be affected) **2**

Why?

6. Which policy(s), publications and resources would you need to change to address climate change impacts in your work (e.g. Climate change scenarios, fish and wildlife management regulations, government funding, etc.)?

7. What information and/or research data do you still need to help you adapt?

More reliable data on climate change impacts **1**
More clarity in government policy **2**
Better access to climate and weather information **3**

Other (please specify) _____

8. What are some other barriers to adaptations?

- Financial 1
- Access to technology 2
- Information and skills of sector employees 3
- Ability for various levels of governing bodies to work together
(business, gov't, NGO's etc.) 4
- Risk perception of sector employees
(i.e. people don't see a problem) 5

Other (please specify) _____

9. Do climate changes offer any opportunities/benefits in your sector?

- No 1 Yes 2 Don't know 3

If yes, what are they?

10. Of the following list of stakeholders, please check the boxes of those who you feel you would need to work with in order to carry out adaptations.

- First Nations Organization **1**
- Government - Federal **2**
- Government - Territorial **3**
- Government - Municipal **4**
- Private Sector – Business **5**
- Private Sector – Consultant **6**
- Non-governmental Organization **7**
- Medical Professional **8**
- Spiritual Organization **9**
- Academia **10**

Other (please specify) _____

Thank you!

Contact:

Northern Climate ExChange
Northern Research Institute, Yukon College
www.taiga.net/nce
(867)-668-8862