



Arctic Borderlands Ecological Knowledge Co-op
2002-2003 Community Ecosystem Monitoring--Questions

Interview ID number:	Community		<input type="checkbox"/> Individual <input type="checkbox"/> Couple	
	<input type="checkbox"/> Arctic Village	<input type="checkbox"/> Old Crow		<input type="checkbox"/> Aklavik Gwich'in
Interviewer's name:	<input type="checkbox"/> Kaktovik	<input type="checkbox"/> Fort McPherson	<input type="checkbox"/> Aklavik Inuvialuit	
	Date of Interview	Sub-sections completed in this interview:		
		<input type="checkbox"/> Fish	<input type="checkbox"/> Berries	<input type="checkbox"/> Caribou

[Read this first or talk about each point in your own words.]

I would like to talk with you about what you've seen on the land this past year – the plants, animals, and weather in our traditional homelands. I'm especially interested in what you've seen from last spring to the present.

This information is being collected to learn what is changing in the environment and why. It will become part of an ecological monitoring system that records what people are seeing on the land. Having this information recorded will help us to look back years from now and compare future conditions with today.

Our monitoring program involves the communities of Old Crow, Aklavik, Fort McPherson, Kaktovik, Arctic Village, government agencies, and co-management boards. We call it "Arctic Borderlands Ecological Knowledge Co-op." This is our seventh year doing the community monitoring program.

It is my job to interview knowledgeable people, like yourself, and record people's observations on these forms. I will present a summary of what I've heard at our annual meeting, which will be held in March in Whitehorse this year.

You will receive 10 gallons of gas for your contribution to the program.

This interview will take about one and a half hours to complete and includes questions on weather, berries, fish, caribou, and other animals. There are also general questions about what changes you are seeing on the land and in the community.

Early on in the interview, we will take a break from the questions, and I'll turn on the tape recorder and ask you to speak for a few minutes about the most important things that you noticed when you were out on the land this past year.

Your name remains confidential so no one will be able to connect what people said with who said it.

➤ Are you willing to be interviewed?

Yes *[if yes, proceed]*

No *[If no, stop; if questions, explain further]*

[A-1] General Questions

➤ First, I'd like to ask a couple of questions about you.

[A-1-1] TIME ON LAND

➤ I'd like you to think back to how much time you've spent out on the land this past year, from April until the end of December. Did you ...

- only take day trips from town,
- take day trips with occasional overnights,
- were you on the land for a week or more at a time, or
- did you spend more than half of your time out of town on the land?

[Check the one that fits the best, then write any notes or comments here]

[A-1-2] AREA FOR 2002

➤ Use the map to circle the area and mark the routes where you traveled on the land for subsistence activities from April until the end of December.

[Label this "2002" on the map]

[Do not ask the next 2 questions if the person was interviewed last year]

[A-1-3] AREA FOR LIFETIME

➤ Use the map to draw a line around the area where you have traveled on the land for subsistence activities in your lifetime.

[Label this "Lifetime" on the map]

[A-1-4] AGE

➤ What year were you born? _____

[If this is a couple, put the year of the oldest person]

[A-2] Weather

➤ Now I'd like to ask you about the weather in our area since last June. We'll go through this season by season.

[A-2-1] SUMMER WEATHER

➤ Please describe what the weather was like this past summer (early June to late August)

➤ Which of these conditions describe the weather this past summer?

[Make sure to go through this list with everyone and put a check mark on as many as apply. If it was an average summer, none of these will apply!]

- Drier than most years
- Wetter than most years

- Warmer than most years
- Colder than most years

- Unusually windy
- Unusually calm

- More storms than most years
 - Fewer storms than most year
-

[A-2-2] FALL WEATHER

➤ Please describe what the weather was like this fall (September and October)

➤ Which of these conditions describe the weather this fall?

[Make sure to go through this list with everyone and put a check mark on as many as apply. If it was an average fall, none of these will apply!]

- Drier than most years
- Wetter than most years

- Unusually windy
- Unusually calm

- Warmer than most years
- Colder than most years

- More storms than most years
 - Fewer storms than most years
-

[A-2-3] FALL SNOW

➤ Please describe what the snow was like this fall (September and October).

➤ Which of these conditions describe the snow this fall?

- No snow
 - Very little snow
 - About average amount of snow
 - Lots of snow

 - Very icy
-

[A-2-4] WINTER WEATHER

➤ Please describe what the weather has been like this winter (since November).

➤ Which of these conditions describe the weather this winter?

[Make sure to go through this list with everyone and put a check mark on as many as apply. If it was an average winter, none of these will apply!]

- | | |
|---|---|
| <input type="checkbox"/> Drier than most years | <input type="checkbox"/> Unusually windy |
| <input type="checkbox"/> Wetter than most years | <input type="checkbox"/> Unusually calm |
| <input type="checkbox"/> Warmer than most years | <input type="checkbox"/> More storms than most years |
| <input type="checkbox"/> Colder than most years | <input type="checkbox"/> Fewer storms than most years |
-

[A-2-5] WINTER SNOW

➤ Please describe what the snow has been like this winter (since November).

➤ Which of these conditions describe the snow this winter?

- No snow
 - Very little snow
 - About average amount of snow
 - Lots of snow

 - Very icy
-

[A-2-6] FREEZE-UP AND OVERFLOW

➤ Where were you during freeze-up this year?

in town

out on the land —————➤ ➤ Where were you?

[Write place below and mark location on map with "FREZ"]

[Write comments on freeze up and overflow here]



➤ Was freeze-up of lakes and rivers this year

earlier than in most other years,

later than in most other years,

or similar to most years?

➤ Was it a

quick freeze-up,

a slow freeze-up,

or just an average year?

➤ How has the overflow been this year?

lots of overflow

not much overflow

or an average amount of overflow

[A-2-7] PROBLEMS FROM WEATHER

➤ Have the weather conditions this year created any problems for you getting out on the land?

no problems

made it hard

made it easy

[if no problems]



➤ In what way?



➤ How have these problems affected your day-to-day life?



Ask Taped Question Now

Make sure you label the tape!

Language of taped part of interview

English

Native language

Do you have any comments on this person's response to the question?
(This is to help us improve this for future years)

[B] Berries

[B-1] General Berry Questions

[B-1-1] BERRY-PICKING

➤ Did you go berry-picking this past year?

Yes

No



➤ Do you usually go berry-picking?

Yes

No



[Do not ask any more questions about berries. Go to FISH SECTION]

➤ What was the main reason for you not going berry picking this year?

Berry crop was too poor

Other reasons

[Write any comments here, then go to the FISH SECTION]

[B-1-2] WHICH BERRIES

➤ Which berries did you pick this year?

Salmonberries

(also called Akpik, Knuckleberries, Yellowberries, Cloudberries)

Cranberries

Blueberries

Other

➤ What type of berry?

[B-1-3] MEETING NEEDS FOR BERRIES

➤ Did you get enough berries this year to meet your needs?

Yes

No

[Now go to the pages for the berries that the person picked this year]

[B-2] Salmonberries (Akpik, Knuckleberries, Yellowberries, Cloudberries)

[Use the name that is used by your community]

[B-2-1] WHERE PICKED

➤ Where did you do most of your salmonberry picking last summer?

[general area, not exact location]

[B-2-2] BERRY QUALITY

➤ How was the quality of salmonberries this year? [Check **all** those that apply]

- sweet
- juicy
- mushy
- cooked
- dry
- poor flavour
- other [describe below]

[B-2-3] BERRY AMOUNTS

➤ How was the number of salmonberries this year? [Check **all** those that apply]

- lots
- usual number
- few or not many
- none
- other [describe below]

[Write any general comments on salmonberry quality and amounts here]

[B-2-4] YEAR SUMMARY

➤ Overall, evaluate the salmonberries this year. Was it an:

- exceptionally good year
- good year for salmonberries
- not that good
- really bad year for salmonberries

[Write comments on how the year was for salmonberry berry picking here]



[B-2-5] EFFECT OF WEATHER

➤ How did the weather affect the salmonberries this year?

[B-2-6] OTHER INFLUENCES

➤ Did anything else affect the salmonberry crop this year?

[B-2-7] EFFECT ON ANIMALS

➤ Did this year's salmonberries make it hard or easy for the animals this year?

- hard
- easy
- don't know

➤ In what way?

[B-3] Cranberries

[B-3-1] WHERE PICKED

- Where did you do most of your cranberry picking last summer?
[Ask for general area, not exact location]

[B-3-2] BERRY QUALITY

- How was the quality of cranberries this year? *[Check **all** those that apply]*

- sweet
- juicy
- mushy
- cooked
- dry
- poor flavour
- other *[describe below]*

[B-3-3] BERRY AMOUNTS

- How was the number of cranberries this year? *[Check **all** those that apply]*

- lots
- usual number
- few or not many
- none
- other *[describe below]*

[Write any general comments on cranberry quality and amounts here]

[B-3-4] YEAR SUMMARY

- Overall, evaluate the cranberries this year. Was it an:

- exceptionally good year
- good year for cranberries
- not that good
- really bad year for cranberries

[Write comments on how the year was for cranberry berry picking here]



[B-3-5] EFFECT OF WEATHER

- How did the weather affect the cranberries this year?

[B-3-6] OTHER INFLUENCES

- Did anything else affect the cranberry crop this year?

[B-3-7] EFFECT ON ANIMALS

- Did this year's cranberries make it hard or easy for the animals this year?

- hard easy don't know

- In what way?

[B-4] Blueberries

[B-4-1] WHERE PICKED

- Where did you do most of your blueberry picking last summer?
[Ask for general area, not exact location]

[B-4-2] BERRY QUALITY

- How was the quality of blueberries this year? *[Check **all** those that apply]*

- sweet
- juicy
- mushy
- cooked
- dry
- poor flavour
- other *[describe below]*

[B-4-3] BERRY AMOUNTS

- How was the number of blueberries this year? *[Check **all** those that apply]*

- lots
- usual number
- few or not many
- none
- other *[describe below]*

[Write any general comments on blueberry quality and amounts here]

[B-4-4] YEAR SUMMARY

- Overall, evaluate the blueberries this year. Was it an:

- exceptionally good year
- good year for blueberries
- not that good
- really bad year for blueberries

[Write comments on how the year was for blueberry berry picking here]



[B-4-5] EFFECT OF WEATHER

- How did the weather affect the blueberries this year?

[B-4-6] OTHER INFLUENCES

- Did anything else affect the blueberry crop this year?

[B-4-7] EFFECT ON ANIMALS

- Did this year's blueberries make it hard or easy for the animals this year?

- hard easy don't know

- In what way?

[C] Fish

[C-1] General Fish Questions

[C-1-1] FISHING

➤ Did you go fishing this past year?

Yes

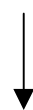
No



➤ Do you usually go fishing?

Yes

No



*[Do not ask any more questions about fish.
Go on to **CARIBOU SECTION**]*

➤ What was the main reason that you didn't go fishing this year?

*[Write answer here, then **go on to the CARIBOU SECTION**]*

[C-1-2] MAIN FISH

➤ Which of these fish did you catch, or try to catch, this past year?

- Whitefish (broad whitefish)
- Crooked Back (lake whitefish)
- Herring (cisco)
- Coney (inconnu)
- Arctic Charr
- Grayling
- Loche (burbot)

➤ I'll ask you about these fish in more detail in a few minutes.

[Each of these fish has a separate sheet of questions – after you finish the next page make sure you ask questions for each fish that you have checked off for this person]

[C-1-3] OTHER FISH

➤ What other fish did you catch this past year?

- Jackfish (Pike)

- Lake Trout

- Salmon
[if they know which type of salmon (Dog (Chum), King (Chinook), Silver (Coho), record the name]

- Other *[name them]*

[Ask this question if the person caught any "other fish"]

➤ Was there anything unusual about any of these other fish this year, or any changes in any of these fish that you have noticed over the past few years?

*[Read the names of the ones that they caught and **write any comments beside the names.**]*

[C-1-4] IMPORTANT FISH

➤ What are the two most important fish you harvest?

1. _____

2. _____

[C-1-5] MEETING NEEDS

➤ Overall, did you meet your subsistence needs for fish this year?

Yes No



➤ Why not?

Now I would like to ask you some more detailed questions about some fish.

[Go to the question sheets for ALL of the fish that you checked off in question C-1-2, Main Fish, on the previous page.]

[C-2] Whitefish

(Broad Whitefish; Anaakliq; Luk digaii, Luk zheii)

➤ Where did you do most of your fishing for Whitefish this past year?
[general area, not exact location]

[**Check one only** for each. If they don't know, leave blank. If they have other responses, write them in the box or below in the 'general comments' section.]

<p>➤ Tell me about the <u>numbers</u> of Whitefish this year. Were there:</p> <ul style="list-style-type: none"><input type="checkbox"/> lots,<input type="checkbox"/> some,<input type="checkbox"/> few, or<input type="checkbox"/> none.	<p>➤ Was the <u>timing of the run</u>:</p> <ul style="list-style-type: none"><input type="checkbox"/> early,<input type="checkbox"/> normal, or<input type="checkbox"/> late? <p>➤ <u>When</u> was the main part of the run this past year?</p>
<p>➤ Was the <u>size</u> of the Whitefish this year:</p> <ul style="list-style-type: none"><input type="checkbox"/> larger than usual,<input type="checkbox"/> average, or<input type="checkbox"/> smaller than usual?	<p>➤ In general, was the Whitefish <u>flesh</u>:</p> <ul style="list-style-type: none"><input type="checkbox"/> mushier than usual,<input type="checkbox"/> about as usual, or<input type="checkbox"/> firmer than usual?
<p>➤ What about <u>parasites</u> in Whitefish? Were there: <input type="checkbox"/> lots, <input type="checkbox"/> some, or <input type="checkbox"/> none? [Ask this question if they saw parasites]</p> <p>➤ What did the parasites look like?</p>	

➤ Have you any general comments about health, condition, and number of Whitefish?

➤ Was there anything unusual about this year's fishing for Whitefish?

[C-3] Crooked Back

(Lake Whitefish; Pikuktuq, Qalupiaq; Dalts'in, Dalts'an)

➤ Where did you do most of your fishing for Crooked Back this past year?
[general area, not exact location]

[Check one only for each. If they don't know, leave blank. If they have other responses, write them in the box or below in the 'general comments' section.]

<p>➤ Tell me about the <u>numbers</u> of Crooked Back this year. Were there:</p> <p><input type="checkbox"/> lots, <input type="checkbox"/> some, <input type="checkbox"/> few, or <input type="checkbox"/> none.</p>	<p>➤ Was the <u>timing of the run</u>:</p> <p><input type="checkbox"/> early, <input type="checkbox"/> normal, or <input type="checkbox"/> late?</p> <p>➤ <u>When</u> was the main part of the run this past year?</p>
<p>➤ Was the <u>size</u> of the Crooked Back this year:</p> <p><input type="checkbox"/> larger than usual, <input type="checkbox"/> average, or <input type="checkbox"/> smaller than usual?</p>	<p>➤ In general, was the Crooked Back <u>flesh</u>:</p> <p><input type="checkbox"/> mushier than usual, <input type="checkbox"/> about as usual, or <input type="checkbox"/> firmer than usual?</p>
<p>➤ What about <u>parasites</u> in Crooked Back? Were there: <input type="checkbox"/> lots, <input type="checkbox"/> some, or <input type="checkbox"/> none?</p> <p><i>[Ask this question if they saw parasites]</i></p> <p>➤ What did the parasites look like?</p>	

➤ Have you any general comments about health, condition, and number of Crooked Back?

➤ Was there anything unusual about this year's fishing for Crooked Back?

[C-4] Herring

(Cisco; Qaluhag, Armagiak; Treeluk)

➤ Where did you do most of your fishing for Herring this past year?

[general area, not exact location]

[Check one only for each. If they don't know, leave blank. If they have other responses, write them in the box or below in the 'general comments' section.]

<p>➤ Tell me about the <u>numbers</u> of Herring this year. Were there:</p> <ul style="list-style-type: none"><input type="checkbox"/> lots,<input type="checkbox"/> some,<input type="checkbox"/> few, or<input type="checkbox"/> none.	<p>➤ Was the <u>timing of the run</u>:</p> <ul style="list-style-type: none"><input type="checkbox"/> early,<input type="checkbox"/> normal, or<input type="checkbox"/> late? <p>➤ <u>When</u> was the main part of the run this past year?</p>
<p>➤ Was the <u>size</u> of the Herring this year:</p> <ul style="list-style-type: none"><input type="checkbox"/> larger than usual,<input type="checkbox"/> average, or<input type="checkbox"/> smaller than usual?	<p>➤ In general, was the Herring <u>flesh</u>:</p> <ul style="list-style-type: none"><input type="checkbox"/> mushier than usual,<input type="checkbox"/> about as usual, or<input type="checkbox"/> firmer than usual?
<p>➤ What about <u>parasites</u> in Herring? Were there: <input type="checkbox"/> lots, <input type="checkbox"/> some, or <input type="checkbox"/> none?</p> <p><i>[Ask this question if they saw parasites]</i></p> <p>➤ What did the parasites look like?</p>	

➤ Have you any general comments about health, condition, and number of Herring?

➤ Was there anything unusual about this year's fishing for Herring?

[C-5] Coney
(Inconnu; Higaq, Sigaq; Sruh)

➤ Where did you do most of your fishing for Coney this past year?
[general area, not exact location]

[Check one only for each. If they don't know, leave blank. If they have other responses, write them in the box or below in the 'general comments' section.]

<p>➤ Tell me about the <u>numbers</u> of Coney this year. Were there:</p> <p><input type="checkbox"/> lots, <input type="checkbox"/> some, <input type="checkbox"/> few, or <input type="checkbox"/> none.</p>	<p>➤ Was the <u>timing of the run</u>:</p> <p><input type="checkbox"/> early, <input type="checkbox"/> normal, or <input type="checkbox"/> late?</p> <p>➤ <u>When</u> was the main part of the run this past year?</p>
<p>➤ Was the <u>size</u> of the Coney this year:</p> <p><input type="checkbox"/> larger than usual, <input type="checkbox"/> average, or <input type="checkbox"/> smaller than usual?</p>	<p>➤ In general, was the Coney <u>flesh</u>:</p> <p><input type="checkbox"/> mushier than usual, <input type="checkbox"/> about as usual, or <input type="checkbox"/> firmer than usual?</p>
<p>➤ What about <u>parasites</u> in Coney? Were there: <input type="checkbox"/> lots, <input type="checkbox"/> some, or <input type="checkbox"/> none? <i>[Ask this question if they saw parasites]</i></p> <p>➤ What did the parasites look like?</p>	

➤ Have you any general comments about health, condition, and number of Coney?

➤ Was there anything unusual about this year's fishing for Coney?

[C-6] Arctic Charr
(Qalukpik, Evitaruk; Dhik'ii)

➤ Where do you did most of your fishing for Arctic Charr this past year?
[general area, not exact location]

[Check one only for each. If they don't know, leave blank. If they have other responses, write them in the box or below in the 'general comments' section.]

<p>➤ Tell me about the <u>numbers</u> of Arctic Charr this year. Were there:</p> <p><input type="checkbox"/> lots, <input type="checkbox"/> some, <input type="checkbox"/> few, or <input type="checkbox"/> none.</p>	<p>➤ Was the <u>timing of the run</u>:</p> <p><input type="checkbox"/> early, <input type="checkbox"/> normal, or <input type="checkbox"/> late?</p> <p>➤ <u>When</u> was the main part of the run this past year?</p>
<p>➤ Was the <u>size</u> of the Arctic Charr this year:</p> <p><input type="checkbox"/> larger than usual, <input type="checkbox"/> average, or <input type="checkbox"/> smaller than usual?</p>	<p>➤ In general, was the Arctic Charr <u>flesh</u>:</p> <p><input type="checkbox"/> mushier than usual, <input type="checkbox"/> about as usual, or <input type="checkbox"/> firmer than usual?</p>
<p>➤ What about <u>parasites</u> in Arctic Charr? Were there: <input type="checkbox"/> lots, <input type="checkbox"/> some, or <input type="checkbox"/> none?</p> <p><i>[Ask this question if they saw parasites]</i></p> <p>➤ What did the parasites look like?</p>	

➤ Have you any general comments about health, condition, and number of Arctic Charr?

➤ Was there anything unusual about this year's fishing for Arctic Charr?

[C-7] Grayling

(Arctic Grayling, Sulukpaugaq, Hulukpaugaq; Srijaa)

➤ Where did you do most of your fishing for Grayling this past year?
[general area, not exact location]

[Check one only for each. If they don't know, leave blank. If they have other responses, write them in the box or below in the 'general comments' section.]

<p>➤ Tell me about the <u>numbers</u> of Grayling this year. Were there:</p> <ul style="list-style-type: none"><input type="checkbox"/> lots,<input type="checkbox"/> some,<input type="checkbox"/> few, or<input type="checkbox"/> none.	<p>➤ Was the <u>timing of the run</u>:</p> <ul style="list-style-type: none"><input type="checkbox"/> early,<input type="checkbox"/> normal, or<input type="checkbox"/> late? <p>➤ <u>When</u> was the main part of the run this past year?</p>
<p>➤ Was the <u>size</u> of the Grayling this year:</p> <ul style="list-style-type: none"><input type="checkbox"/> larger than usual,<input type="checkbox"/> average, or<input type="checkbox"/> smaller than usual?	<p>➤ In general, was the Grayling <u>flesh</u>:</p> <ul style="list-style-type: none"><input type="checkbox"/> mushier than usual,<input type="checkbox"/> about as usual, or<input type="checkbox"/> firmer than usual?
<p>➤ What about <u>parasites</u> in Grayling? Were there: <input type="checkbox"/> lots, <input type="checkbox"/> some, or <input type="checkbox"/> none? <i>[Ask this question if they saw parasites]</i></p> <p>➤ What did the parasites look like?</p>	

➤ Have you any general comments about health, condition, and number of Grayling?

➤ Was there anything unusual about this year's fishing for Grayling?

[C-11] Loche (Burbot)

(Lingcod, Tittaliq, Chehluk)

➤ Where did you do most of your fishing for Loche this past year?
[general area, not exact location]

[Check one only for each. If they don't know, leave blank. If they have other responses, write them in the box or below in the 'general comments' section.]

<p>➤ Tell me about the <u>numbers</u> of Loche this year. Were there:</p> <p><input type="checkbox"/> lots, <input type="checkbox"/> some, <input type="checkbox"/> few, or <input type="checkbox"/> none.</p>	<p>➤ Was the <u>timing of the run</u>:</p> <p><input type="checkbox"/> early, <input type="checkbox"/> normal, or <input type="checkbox"/> late?</p> <p>➤ <u>When</u> was the main part of the run this past year?</p>
<p>➤ Was the <u>size</u> of the Loche this year:</p> <p><input type="checkbox"/> larger than usual, <input type="checkbox"/> average, or <input type="checkbox"/> smaller than usual?</p>	<p>➤ In general, was the Loche <u>flesh</u>:</p> <p><input type="checkbox"/> mushier than usual, <input type="checkbox"/> about as usual, or <input type="checkbox"/> firmer than usual?</p>
<p>➤ What about <u>parasites</u> in Loche? Were there: <input type="checkbox"/> lots, <input type="checkbox"/> some, or <input type="checkbox"/> none? <i>[Ask this question if they saw parasites]</i></p> <p>➤ What did the parasites look like?</p>	

➤ Have you any general comments about health, condition, and number of Loche?

➤ Was there anything unusual about this year's fishing for Loche?

Loche (continued)

➤ Did you see any unusual loche livers this year? Yes No



[Move on to next section]

➤ About how many had livers that were unusual? _____

➤ About how many loche did you catch this year? _____

➤ Tell us about the unusual Loche livers

[Label the map with a reference number from the chart and ask all the questions in the row for that reference number on the chart. If an observation is for a location not on the map, or is not related to one location, use the last row.]

Loche liver ref #	Number of unusual livers	Where caught	Describe unusual loche livers that you have caught
LL#1			
LL#2			
Not on Map			

[D] Caribou / Vutzui / Tuktu

➤ Now I'd like to ask you a few questions about Porcupine Caribou.

[D-1] Last Spring's Caribou Migration and Caribou Hunt (April 1 - June 30)

[D-1-1] AVAILABILITY TO COMMUNITY-SPRING

➤ How available were caribou to this community for hunting last spring?

Close by and easily found

Not close, required lots of effort to get them

Not at all available



➤ If it was difficult for people in the community to get caribou, what made it hard?

[D-1-2] HUNTING-SPRING

➤ Did you go caribou hunting or see any caribou last spring?

Yes

No

➤ When there are caribou available, do you usually hunt for caribou in the spring?

Yes

No

↓
[Do not ask any more questions in this section. **Go to PAGE 4**]

➤ What was the main reason that you didn't go caribou hunting last spring?

Caribou were too far away to try hunting them.

Weather or snow conditions were too bad for hunting.

Other reasons

↓
➤ Describe these conditions

[Do not ask any more questions in this section. **Go to PAGE 4**]

[D-1-3] MEETING NEEDS-SPRING

➤ Did you get enough caribou last spring to meet your needs?

Yes

No

[D-1-4] SPRING MIGRATION

➤ Describe the migration of caribou last spring.

[D-1-5] SPRING MIGRATION TABLE

➤ Show me on the map where you saw caribou last spring.

[Label the map with a reference number from the chart and ask all the questions in the row for that reference number on the chart. If an observation is for a location not on the map, or is not related to one location, use the last row.]

Ref # on map	Date seen	Moving? (yes or no; if yes, direction moving)	Number seen	Group composition	Type of land (ridge tops, valley bottoms, boulder fields, shorelines, frozen lakes, water crossings, other?)	Were the caribou feeding?	General comments about conditions observed
SM-#1			<input type="checkbox"/> Just a few caribou <input type="checkbox"/> Lots (50 to 100) <input type="checkbox"/> LOTS (100- 500) <input type="checkbox"/> REALLY LOTS (more than 500)	<input type="checkbox"/> Bulls <input type="checkbox"/> Cows <input type="checkbox"/> Cows w/ calves <input type="checkbox"/> Mixed groups		<input type="checkbox"/> Feeding <input type="checkbox"/> Not feeding <input type="checkbox"/> Don't know	
SM #2			<input type="checkbox"/> Just a few caribou <input type="checkbox"/> Lots (50 to 100) <input type="checkbox"/> LOTS (100- 500) <input type="checkbox"/> REALLY LOTS (more than 500)	<input type="checkbox"/> Bulls <input type="checkbox"/> Cows <input type="checkbox"/> Cows w/ calves <input type="checkbox"/> Mixed groups		<input type="checkbox"/> Feeding <input type="checkbox"/> Not feeding <input type="checkbox"/> Don't know	
SM #3			<input type="checkbox"/> Just a few caribou <input type="checkbox"/> Lots (50 to 100) <input type="checkbox"/> LOTS (100- 500) <input type="checkbox"/> REALLY LOTS (more than 500)	<input type="checkbox"/> Bulls <input type="checkbox"/> Cows <input type="checkbox"/> Cows w/ calves <input type="checkbox"/> Mixed groups		<input type="checkbox"/> Feeding <input type="checkbox"/> Not feeding <input type="checkbox"/> Don't know	
Not on Map			<input type="checkbox"/> Just a few caribou <input type="checkbox"/> Lots (50 to 100) <input type="checkbox"/> LOTS (100- 500) <input type="checkbox"/> REALLY LOTS (more than 500)	<input type="checkbox"/> Bulls <input type="checkbox"/> Cows <input type="checkbox"/> Cows w/ calves <input type="checkbox"/> Mixed groups		<input type="checkbox"/> Feeding <input type="checkbox"/> Not feeding <input type="checkbox"/> Don't know	

[D-1-6] SPRING SNOW AND CARIBOU

➤ Did the snow last spring make it easy or hard for the caribou to travel?

- Easy Hard

➤ In what way?

➤ Did the snow this spring make it easy or hard for the caribou to dig in the snow and feed?

- Easy Hard

➤ Would you describe the snow last spring as?

- Sugar snow Hard, icy snow Other (describe)

[D-1-7] SPRING BODY CONDITION

➤ Compared to other spring seasons, how fat were the caribou last spring?

Were they in:

- good shape (had lots of rump fat)?
 fair condition (some back fat, but less than one inch)?
 poor/skinny shape (little or no rump fat or gut fat)?
 or was there a mix of some fat caribou and some skinny caribou?
 don't know

➤ Was there anything unusual to report about these animals' body condition this past spring?

- No Yes *[if yes, ask]* ➔ ➤ Please explain.

[D-2] Calving (last June)

[D-2-1] CALVING LOCATIONS

➤ Did you see any caribou with new calves last June?

Yes No → *[Go on to the next page, Fall Caribou]*



➤ Show me on the map where you saw caribou with new calves last June

[Label the map with a reference number from the chart and ask all the questions in the row for that reference number on the chart. If an observation is for a location not on the map, or is not related to one location, use the last row.]

Ref # on map	Date seen	Numbers of cows with calves?	Type of land where caribou were seen (Were they on ridge tops, valley bottoms, boulder fields, shorelines, frozen lakes, water crossings, other?)
Calv #1			
Calv #2			
Calv #3			
Not on map			

[D-2-2] WHAT AFFECTS CALVING LOCATION

➤ Did anything in particular affect where caribou calved last spring?

Yes No



[Write notes here]



➤ Which of the following affected where they calved? [Check **all** that apply]

- snow conditions
- too much snow
- not much snow
- wind
- ice conditions
- other weather conditions *[ask for details]*
- poor feed areas
- good feed areas
- wolves or other predators
- human activity *[ask for details]*
- other *[ask for details]*

[D-3] Fall Caribou Migration and Caribou Hunt (July 1 to Nov. 1)

[D-3-1] AVAILABILITY TO COMMUNITY-FALL

➤ How available were caribou to this community for hunting this past fall?

Close by and easily found

Not close, required lots of effort to get them

Not at all available



➤ If it was difficult for people in the community to get caribou, what made it hard?

[D-3-2] HUNTING-FALL

➤ Did you go caribou hunting or see caribou this fall?

Yes

No

➤ When there are caribou available, do you usually hunt for caribou in the fall?

Yes

No

*[Do not ask any more questions in this section.
Go to PAGE 8]*

➤ What was the main reason that you didn't go caribou hunting this fall?

Caribou were too far away to try hunting them.

Weather or snow conditions were too bad for hunting.

Other reasons

➤ Describe these conditions

[Do not ask any more questions in this section. Go to PAGE 8]

[D-3-3] MEETING NEEDS-FALL

➤ Did you get enough caribou this fall to meet your needs?

Yes

No

[D-3-4] FALL MIGRATION

➤ Describe the migration of caribou this fall.

[D-3-5] FALL MIGRATION TABLE

➤ Show me on the map where you saw caribou in the fall.

[Label the map with a reference number from the chart and ask all the questions in the row for that reference number on the chart. If an observation is for a location not on the map, or is not related to one location, use the last row.]

Ref # on map	Date seen	Moving? (yes or no; if yes, direction moving)	Number seen	Group composition	Type of land (ridge tops, valley bottoms, boulder fields, shorelines, frozen lakes, water crossings, other?)	Were the caribou feeding?	General comments about conditions observed
FM-#1			<input type="checkbox"/> Just a few caribou <input type="checkbox"/> Lots (50 to 100) <input type="checkbox"/> LOTS (100- 500) <input type="checkbox"/> REALLY LOTS (more than 500)	<input type="checkbox"/> Bulls <input type="checkbox"/> Cows <input type="checkbox"/> Cows w/ calves <input type="checkbox"/> Mixed groups		<input type="checkbox"/> Feeding <input type="checkbox"/> Not feeding <input type="checkbox"/> Don't know	
FM #2			<input type="checkbox"/> Just a few caribou <input type="checkbox"/> Lots (50 to 100) <input type="checkbox"/> LOTS (100- 500) <input type="checkbox"/> REALLY LOTS (more than 500)	<input type="checkbox"/> Bulls <input type="checkbox"/> Cows <input type="checkbox"/> Cows w/ calves <input type="checkbox"/> Mixed groups		<input type="checkbox"/> Feeding <input type="checkbox"/> Not feeding <input type="checkbox"/> Don't know	
FM #3			<input type="checkbox"/> Just a few caribou <input type="checkbox"/> Lots (50 to 100) <input type="checkbox"/> LOTS (100- 500) <input type="checkbox"/> REALLY LOTS (more than 500)	<input type="checkbox"/> Bulls <input type="checkbox"/> Cows <input type="checkbox"/> Cows w/ calves <input type="checkbox"/> Mixed groups		<input type="checkbox"/> Feeding <input type="checkbox"/> Not feeding <input type="checkbox"/> Don't know	
Not on Map			<input type="checkbox"/> Just a few caribou <input type="checkbox"/> Lots (50 to 100) <input type="checkbox"/> LOTS (100- 500) <input type="checkbox"/> REALLY LOTS (more than 500)	<input type="checkbox"/> Bulls <input type="checkbox"/> Cows <input type="checkbox"/> Cows w/ calves <input type="checkbox"/> Mixed groups		<input type="checkbox"/> Feeding <input type="checkbox"/> Not feeding <input type="checkbox"/> Don't know	

[D-3-6] FALL BODY CONDITION

➤ Compared to other fall hunts, how fat were the caribou this fall?

Were they in:

- good shape (had lots of rump fat)?
- fair condition (some back fat, but less than one inch)?
- poor/skinny shape (little or no rump fat or gut fat)?
- or was there a mix of some fat caribou and some skinny caribou?
- don't know

➤ Was there anything unusual to report about these animals' body condition this fall?

- No Yes *[if yes, ask]* ➔ ➤ Please explain.

[D-3-7] RUT

➤ Do you know in what areas the caribou rutted this year?

- No Yes



➤ Show me on the map areas where caribou rutted this fall.

[Label the map with a reference number from the chart and write comments in the row for that reference number on the chart. If an observation is for a location not on the map, or is not related to one location, use the last row.]

Ref # on Map	Comments On Rut
Rut #1	
Rut #2	
Not on Map	

[D-4] Winter Caribou Observations (November 1 to now)

[D-4-1] AVAILABILITY TO COMMUNITY-WINTER

➤ How available have caribou been to this community since the beginning of the rut?

Close by and easily found

Not close, required lots of effort to get them

Not at all available



➤ If it was difficult for people in the community to get caribou, what made it hard?

[D-4-2] HUNTING-WINTER

➤ Have you been caribou hunting or have you seen caribou this winter?

Yes

No

➤ When there are caribou available, do you usually hunt for caribou in the winter?

Yes

No

↓
[Do not ask any more questions in this section.
Go to PAGE 11]

➤ What was the main reason that you didn't go caribou hunting this winter?

Caribou were too far away to try hunting them.

Weather or snow conditions were too bad for hunting.

Other reasons

↓
➤ Describe these conditions

[Do not ask any more questions in this section. **Go to PAGE 11**]

[D-4-3] MEETING NEEDS-WINTER

➤ Did you get enough caribou this winter to meet your needs?

Yes No

[D-4-4] WINTER MOVEMENTS

➤ Describe the movements of caribou this winter.

[D-4-5] WINTER TABLE

➤ Show me on the map where you have seen caribou this winter.

[Label the map with a reference number from the chart and ask all the questions in the row for that reference number on the chart. If an observation is for a location not on the map, or is not related to one location, use the last row.]

Ref # on map	Date seen	Moving? (yes or no; if yes, direction moving)	Number seen	Group composition	Type of land (ridge tops, valley bottoms, boulder fields, shorelines, frozen lakes, water crossings, other?)	Were the caribou feeding?	General comments about conditions observed
WC-#1			<input type="checkbox"/> Just a few caribou <input type="checkbox"/> Lots (50 to 100) <input type="checkbox"/> LOTS (100- 500) <input type="checkbox"/> REALLY LOTS (more than 500)	<input type="checkbox"/> Bulls <input type="checkbox"/> Cows <input type="checkbox"/> Cows w/ calves <input type="checkbox"/> Mixed groups		<input type="checkbox"/> Feeding <input type="checkbox"/> Not feeding <input type="checkbox"/> Don't know	
WC #2			<input type="checkbox"/> Just a few caribou <input type="checkbox"/> Lots (50 to 100) <input type="checkbox"/> LOTS (100- 500) <input type="checkbox"/> REALLY LOTS (more than 500)	<input type="checkbox"/> Bulls <input type="checkbox"/> Cows <input type="checkbox"/> Cows w/ calves <input type="checkbox"/> Mixed groups		<input type="checkbox"/> Feeding <input type="checkbox"/> Not feeding <input type="checkbox"/> Don't know	
WC #3			<input type="checkbox"/> Just a few caribou <input type="checkbox"/> Lots (50 to 100) <input type="checkbox"/> LOTS (100- 500) <input type="checkbox"/> REALLY LOTS (more than 500)	<input type="checkbox"/> Bulls <input type="checkbox"/> Cows <input type="checkbox"/> Cows w/ calves <input type="checkbox"/> Mixed groups		<input type="checkbox"/> Feeding <input type="checkbox"/> Not feeding <input type="checkbox"/> Don't know	
Not on Map			<input type="checkbox"/> Just a few caribou <input type="checkbox"/> Lots (50 to 100) <input type="checkbox"/> LOTS (100- 500) <input type="checkbox"/> REALLY LOTS (more than 500)	<input type="checkbox"/> Bulls <input type="checkbox"/> Cows <input type="checkbox"/> Cows w/ calves <input type="checkbox"/> Mixed groups		<input type="checkbox"/> Feeding <input type="checkbox"/> Not feeding <input type="checkbox"/> Don't know	

[D-4-6] WHAT AFFECTS WINTERING LOCATION

➤ Did anything in particular affect where the caribou have been this winter?

Yes No

[Write notes here]



➤ Which of the following affected where they have been since the beginning of the rut? [Check **all** that apply]

- snow conditions
- too much snow
- not much snow
- wind
- ice conditions
- other weather conditions [ask for details]
- poor feed areas
- good feed areas
- wolves or other predators
- human activity [ask for details]
- other [ask for details]

[D-4-7] WINTER BODY CONDITION

➤ Based on your harvest since the beginning of the rut, how fat were the caribou this winter? Were they in:

- good shape (had lots of rump fat)?
- fair condition (some back fat, but less than one inch)?
- poor/skinny shape (little or no rump fat or gut fat)?
- or was there a mix of some fat caribou and some skinny caribou?
- don't know

➤ Was there anything unusual to report about these animals' body condition from this winter, since the beginning of the rut?

No Yes [if yes, ask] ➔ ➤ Please explain.

[D-5] General Questions about Porcupine Caribou (for hunters)

[This section is for anyone who has harvested Porcupine caribou at all during the past year]

[D-5-1] OVERALL BODY CONDITION

➤Have you noticed any differences in Porcupine caribou's body condition this year as compared to last year?

- Yes No Can't tell or don't know



➤Do they appear to be in

- overall better shape
 about the same shape
 worse shape → *[if in worse shape, ask]* ➤Why?

[D-5-2] UNHEALTHY CARIBOU

➤How many caribou did you harvest from last April until now? _____

➤Of those caribou that you harvested, how many of them looked like they were sick or unhealthy? _____

[If some were unhealthy]

➤Describe these unhealthy caribou and mark where you found them on the map, if possible.

Ref # on map	Number of animals	Month of year seen	Sex (<i>circle</i>)	Age class (<i>circle</i>)	What was wrong with them?
UC #1			male female	Adult Yearling Calf	
UC #2			male female	Adult Yearling Calf	
Not on Map			male female	Adult Yearling Calf	

[D-5-3] HEALTH OF HERD

➤Do you think the Porcupine Herd is healthy? Yes No



➤Why not?

[D-5-4] CHANGES IN HERD

➤Have you noticed any changes in health of the Porcupine Caribou Herd in the last five years?

[D-5-5] PREDATORS

➤Have you seen any kills of caribou by predators this past year? (Such as bears, wolves, eagles, wolverines)? *[If yes]* ➤Where?

Ref # on map	Type of predator	Number of caribou and other details
Kill #1	<input type="checkbox"/> Wolf <input type="checkbox"/> Bear <input type="checkbox"/> Wolverine <input type="checkbox"/> Other_____	
Kill #2	<input type="checkbox"/> Wolf <input type="checkbox"/> Bear <input type="checkbox"/> Wolverine <input type="checkbox"/> Other_____	
Not on map	<input type="checkbox"/> Wolf <input type="checkbox"/> Bear <input type="checkbox"/> Wolverine <input type="checkbox"/> Other_____	

➤Do you have any other comments on predators and caribou?

[E] Other Animals

[E-1] UNUSUAL SIGHTINGS

➤ In this section we are going to go through a list of animals and I'll write down your observations. First I'd like to ask you if you saw any unusual animals this past year, including any unusual birds, fish or insects?

➤ Did you see any animals in places that you don't usually see them?

➤ Now I'm going to go through a list of animals. Please tell me if you've noticed anything that is changing or is unusual about these animals, or anything else that you think it is important to mention.

This could include your observations on things like

- numbers of the animals,
- or on where they were this year,
- or about diseases,
- or if these animals are having an effect on other animals.

Please use the map to show me where you saw specific things that you talk about.

[Instructions for the Other Animals questions:

-Note the locations on the map using the reference numbers.

-Include dates in the "Observations" section where possible.

-Use the last rows of the charts for observations that aren't on the map or aren't about one location.]

➤ First we'll talk about birds

[E-2]

➤ Grouse and Ptarmigan

[E-3]

➤ Waterfowl - Ducks, Geese, Swans, and Cranes

Map ref #	Type of Duck, Geese, Swan or Crane	Number seen	Observations
WF #1		<input type="checkbox"/> More <input type="checkbox"/> About the same <input type="checkbox"/> fewer	
WF #2		<input type="checkbox"/> More <input type="checkbox"/> About the same <input type="checkbox"/> fewer	
WF #3		<input type="checkbox"/> More <input type="checkbox"/> About the same <input type="checkbox"/> fewer	
Not on Map		<input type="checkbox"/> More <input type="checkbox"/> About the same <input type="checkbox"/> fewer	
Not on Map		<input type="checkbox"/> More <input type="checkbox"/> About the same <input type="checkbox"/> fewer	

➤ Have you noticed any changes in migration for ducks, geese or swans? This could be things like changes in when they pass through an area, where they stop, or how long they stop for.

[E-4]

➤ Birds of prey (hawks, falcons, eagles, owls)

Map ref #	Type of hawk, falcon, eagle or owl	Observations
BP #1		
BP #2		
Not on Map		
Not on Map		

[E-5]

➤ Small Birds (*ask name of bird*)

Map ref #	Type of small bird	Observations
SO #1		
SO #2		
Not on Map		

[E-6]

➤ What were the mosquitoes like last summer?

- worse than other years
- about normal
- fewer bugs than usual

➤ Do you have any other comments on the insects this past summer?

➤ Now we'll move on to mammals, starting with the small ones

[E-7]

➤ Ground Squirrels

[E-8]

➤ Rabbits

- Are there: Lots around this year
 Few, or
 None

➤ Any observations about rabbits?

[E-9]

➤ Moose (Tuttuvak, Dinjik)

Map Ref #	Observations
MS #1	
MS #2	
Not on Map	

[E-10]

➤ Muskoxen (Umingmak)

➤ Did you see any muskoxen this year?

[If yes] ➤ Please show me on the map where they were

Map Ref #	Observation
MO #1	Number seen: _____ Approximate Date:
MO #2	Number seen: _____ Approximate Date:
Not on Map	Number seen: _____ Approximate Date:

➤ Do you have any general comments about muskoxen?

[If they talk about caribou-muskoxen interactions, ask for details of observations]

[E-11]

➤ Muskrats

[E-12]

➤ Wolverine

Map Ref #	Observations
WO #1	
WO #2	
Not on Map	

[E-13]

➤ Lynx (Niutuyiq; Niinji)

Map Ref #	Observations
LX #1	
LX #2	
Not on Map	

[E-14]

➤ Bears (Aklaq, Akhak, Iggarlik, Nanuq; Shoh, Shih)

Map Ref #	Circle type	Observations
BR #1	Black Grizzly Polar	
BR #2	Black Grizzly Polar	
Not on Map	Black Grizzly Polar	

➤ Did you see any bears with cubs this year?

[If yes] ➤ How many?

➤ Please show me where on the map. [Mark on map as "**CUB #1**", "**CUB #2**"...]

[E-15]

➤ Wolves (Amaruq, Amaguq, Zhoh)

Map ref #	Observations
WV #1	
WV #2	
Not on Map	

[E-16] Furbearers and Trapping

➤ Did you do any trapping this year?

- Yes No

➤ Was this a good year for trapping?

Good



➤ What made it good?



- price for fur
- price of gas
- weather- too cold
- weather- warm
- weather- made for easy access
- lots of animals

Other:

Bad



➤ What made it bad?



- price for fur
- price of gas
- weather- cold
- weather- too warm
- weather- made for difficult access
- few or hard to find animals

[Check **all** those that apply]

[The next questions on this page are for people who were out trapping this year]

➤ Please tell me about each kind of animal that you trapped this year.

Animal	Numbers of animals (circle)	Condition of furs this year and Observations
	Lots, some, few	Poor, fair, prime, other _____
	Lots, some, few	Poor, fair, prime, other _____
	Lots, some, few	Poor, fair, prime, other _____
	Lots, some, few	Poor, fair, prime, other _____

➤ Do you have other comments on this year's furs and trapping?

[F-1] Human Activities

➤ I'm going to read a list of human activities. I'd like you to tell me if each activity has been increasing or decreasing recently in this area. Please also give me your view as to how this activity is affecting the land or the animals, or hunting, fishing and trapping.

[F-1-1] ACTIVITIES TABLE

[If you mark a map ref # on the map, put a check mark below it in this table. If there is more than one map reference for a type of activity, use; -- . HA#1a, HA#1b]

Map Ref #	Activity	Change	Effects on land, animals or on hunting, fishing and trapping
HA #1 <input type="checkbox"/>	Airplane and helicopter traffic	<input type="checkbox"/> Increasing <input type="checkbox"/> No change <input type="checkbox"/> Decreasing <input type="checkbox"/> Don't know	
HA #2 <input type="checkbox"/>	Snowmobile use	<input type="checkbox"/> Increasing <input type="checkbox"/> No change <input type="checkbox"/> Decreasing <input type="checkbox"/> Don't know	
HA #3 <input type="checkbox"/>	ATVs/four-wheelers	<input type="checkbox"/> Increasing <input type="checkbox"/> No change <input type="checkbox"/> Decreasing <input type="checkbox"/> Don't know	
HA #4 <input type="checkbox"/>	Sport hunting	<input type="checkbox"/> Increasing <input type="checkbox"/> No change <input type="checkbox"/> Decreasing <input type="checkbox"/> Don't know	
HA #5 <input type="checkbox"/>	Hunting for food by local people	<input type="checkbox"/> Increasing <input type="checkbox"/> No change <input type="checkbox"/> Decreasing <input type="checkbox"/> Don't know	
HA #6 <input type="checkbox"/>	Tourism	<input type="checkbox"/> Increasing <input type="checkbox"/> No change <input type="checkbox"/> Decreasing <input type="checkbox"/> Don't know	
HA #7 <input type="checkbox"/>	Gas & oil drilling or exploration	<input type="checkbox"/> Increasing <input type="checkbox"/> No change <input type="checkbox"/> Decreasing <input type="checkbox"/> Don't know	
HA #8 <input type="checkbox"/>	Research by scientists on the land or water	<input type="checkbox"/> Increasing <input type="checkbox"/> No change <input type="checkbox"/> Decreasing <input type="checkbox"/> Don't know	
HA #9	Other	<input type="checkbox"/> Increasing <input type="checkbox"/> No change	

<input type="checkbox"/>	<i>[Ask for specifics]</i>	<input type="checkbox"/> Decreasing <input type="checkbox"/> Don't know	
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[F-1-2] CUMULATIVE EFFECTS

➤ Separately, some of these activities do not affect the land very much. But when all of these activities are put together, do you think they are having an effect now on the environment, the animals or hunting, fishing and trapping?

Yes

No

Don't know



In what ways?

[F-2] Final Words

[F-2-1] SUGGESTED QUESTIONS

➤ Are there questions I should have asked that I didn't ask?

[F-2-2] SUGGESTED IMPROVEMENTS

➤ We do this monitoring project every year and would like your input on how to make it better. What can we do to make this a better interview?

[F-2-3] EVALUATION

Please evaluate the Arctic Borderlands Knowledge Coop community monitoring program:

[Select one of these]

- It is worthwhile and needs to be continued.
- The idea is good, but it needs some major changes.
- It is okay, but is not really that necessary.
- It is really a waste of time and money, and should be ended.



[Thank them for sharing their knowledge, give them their gas coupon, and have them sign the receipt]