



The Arctic Borderlands Ecological Knowledge Co-op 2001-2002 Community Ecosystem Monitoring- Questionnaire

Interview ID number:	Community: <i>circle one Arctic Village, Kaktovik, Old Crow; Fort McPherson; Aklavik Gwich'in, Aklavik Inuvialuit</i>
Interviewer's name:	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 sixth 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 the last week of February in Fort McPherson.

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

This interview will take about one hour to complete and includes questions on berries, fish, caribou, and weather conditions.

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)*

Weather

Now I'd like to ask you about the weather in our area.

Please describe the weather each month from early June to the end of December.

June

Write comments on the weather below



- Stormy?
- Few storms?
- Dry?
- Wet?
- Warm?
- Cold?
- Windy?
- Calm?

July

Write comments on the weather below



- Stormy?
- Few storms?
- Dry?
- Wet?
- Warm?
- Cold?
- Windy?
- Calm?

August

Write comments on the weather below



- Stormy
- Few storms
- Dry
- Wet
- Warm
- Cold
- Windy
- Calm

Write comments on the snow below



- No snow
- Very little snow
- Lots of snow
- Very icy

Other comments:

September Write comments on the weather below



- Stormy
- Few storms
- Dry
- Wet
- Warm
- Cold
- Windy
- Calm

Write comments on the snow below



- No snow
 - Very little snow
 - Lots of snow
 - Very icy
- Other comments:

October Write comments on weather below



- Stormy
- Few storms
- Dry
- Wet
- Warm
- Cold
- Windy
- Calm

Write comments on snow below



- No snow
 - Very little snow
 - Lots of snow
 - Very icy
- Other comments:

November Write comments weather below



- Stormy
- Few storms
- Dry
- Wet
- Warm
- Cold
- Windy
- Calm

Write comments on snow below



- No snow
 - Very little snow
 - Lots of snow
 - Very icy
- Other comments:

December

Write comments weather below

Write comments on snow below

- Stormy
- Few storms
- Dry
- Wet
- Warm
- Cold
- Windy
- Calm

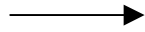


- No snow
 - Very little snow
 - Lots of snow
 - Very icy
- Other comments:



Where were you during freeze up this year?

- in town
- out on the land
- out on the ocean



Where were you?
(Write place below and mark location on map with "FREZ")

Please describe the freeze up of lakes and rivers this year. *(Write comments on freeze up and overflow below)*



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

(For Aklavik and Kaktovik only.) Please describe ocean freeze up this year.

(Write comments on ocean freeze up and ocean ice below)



Was ocean freeze-up 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?

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

no problems

*(if no problems
go to next question)*



- made it hard
- made it easy



In what way?

How have those problems affected your day-to-day life?



Have you noticed changes in the water levels of rivers and lakes in our region?

- higher water levels
- lower water levels

- no recent changes
(Go to next question)



Please describe these and note the location of *unusual observations* on the map.

Map ref #	Comments Where, when did you notice, why has it occurred?
WL #1	
WL #2	
WL #3	

Other comments:



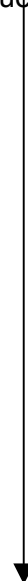
Have you noticed any changes in the permafrost in the past five years?

Yes
▼

- no changes
(Go to next question)

Please describe these and note the location on the map.

Map ref #	Comments:
Perm #1	
Perm #2	
Perm #3	



Have you noticed any other changes in where or how plants, shrubs, and trees are growing?

yes

no changes (*proceed to next section*)



Changes in plants and trees

Map ref #	Comments
PT #1	
PT #2	
PT #3	

General comments:

Berries (Salmonberries and Cranberries)

I'd like to ask you some questions about the berries of the past year.

Salmonberries (Also called Akpik, Knuckleberries, Yellowberries, Cloudberry)

Did you do any salmonberry picking this past summer?

- yes no *(if no, skip section on cranberries)*



Where do you do most of your salmonberry picking?

(Ask for general area, not exact location, and make note on map)

ref #	Conditions (circle all that apply)	Describe type of terrain (on hillside, under trees, by river, other)	comments
SB1	wet dry sunny shady		
SB2	wet dry sunny shady		
SB3	wet dry sunny shady		

How was the quality of salmonberries this year? *(Check **all** those that apply)*

- sweet
- juicy
- mushy
- cooked
- dry
- poor flavor
- other *(describe)*

How was the number of salmonberries this year? *(Check **all** those that apply)*

- lots
- usual number
- few or not many
- none
- other *(describe)*

(Write general comments below)

How did the year's weather affect the salmonberries this year?

Did anything else affect the salmonberry crop this year?

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 general comments below)

How did the salmonberries this year compare to last year's crop?

- better
- the same
- not as good

(Write general comments below)

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

- hard
- easy
- don't know

In what way?

Cranberries

Did you do any Cranberry picking this past summer?

- yes
 - no
- (if no, skip section on cranberries)*



Where do you do most of your cranberry picking?
(Ask for general area, not exact location, and make note on map)

ref #	Conditions (circle all that apply)	Describe terrain (on the hillside, in the trees, other)	comments
CB1	wet dry sunny shady		
CB2	wet dry sunny shady		
CB3	wet dry sunny shady		

How was the quality of cranberries this year? *(Check **all** those that apply)*

- sweet
- juicy
- mushy
- cooked
- dry
- poor flavor
- other *(describe)*

How was the number of cranberries this year? *(Check **all** those that apply)*

- lots
- usual number
- few or not many
- none
- other *(describe)*

(Write general comments below)

How did the year's weather affect the cranberries this year?

Did anything else affect the cranberry crop this year?

Overall, how were the cranberries this year?

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

(Write general comments below)

How did the cranberries this year compare to last year's crop?

- better
- the same
- not as good

(Write general comments below)

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

- hard
- easy
- don't know

In what way?

Comments on blueberries or other berries:

Fish

Now let's talk about fish.

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

Did you try to catch any whitefish this past year?

yes no → *If no, go to next fish.*

Tell me about

- Number of fish: lots some few none
- Timing of run early normal late
- Size of fish larger than usual average size smaller than usual
- Firmness very Firm normal mushy
- Parasites lots some none (*describe if seen*)
- Color good unusual (*describe if unusual*)

General comments about health, condition, and number of Whitefish this year:

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

Coney (Inconnu; Higaq, Sigaq; Sruh)

Did you try to catch any coney this past year?

yes no → *If no, go to next fish.*

Tell me about

- Number of fish: lots some few none
- Timing of run early normal late
- Size of fish larger than usual average size smaller than usual
- Firmness very Firm normal mushy
- Parasites lots some none (*describe if seen*)
- Color good unusual (*describe if unusual*)

General comments about health, condition, and number of Coney:

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

Loche (Lingcod, Burbot; Tittaliq, Chehluk)

Did you try to catch any Loche this past year?

- yes no → *If no, go to next fish.*

Tell me about

- Number of fish: lots some few none
- Timing of run early normal late
- Size of fish larger than usual average size smaller than usual
- Firmness very Firm normal mushy
- Parasites lots some none (*describe if seen*)
- Color good unusual (*describe if unusual*)

Did you see any unusual loche livers this year? yes no



How many had livers that were unusual? _____ out of total number caught _____

General comments about health, condition, and number of loche:

Tell us about the unusual Loche livers:

Loche liver ref #	Number of unusual livers	Where caught	Describe unusual loche livers that you have caught
LL1			
LL2			
LL3			

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

Arctic Char (Qalukpik, Evitaruk; Dhik'ii)

Did you try to catch any Arctic Char this past year?

yes no → *If no, go to next fish.*

Tell me about

- Number of fish: lots some few none
- Timing of run early normal late
- Size of fish larger than usual average size smaller than usual
- Firmness very Firm normal mushy
- Parasites lots some none (*describe if seen*)
- Color good unusual (*describe if unusual*)

General comments about health, condition, and number of Arctic Char:

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

Herring (Cisco; Qaluhaq, Armagiak; Treeluk)

Did you try to catch any Herring this past year?

yes no → *If no, go to next fish.*

Tell me about

- Number of fish: lots some few none
- Timing of run early normal late
- Size of fish larger than usual average size smaller than usual
- Firmness very Firm normal mushy
- Parasites lots some none (*describe if seen*)
- Color good unusual (*describe if unusual*)

General comments about health, condition, and number of Herring:

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

Blue Herring (Pacific Herring; Qaaktaq, Qaantaq, Pikoaktit)

Did you try to catch any Blue Herring this past year?

yes no → *If no, go to next fish.*

Tell me about

- Number of fish: lots some few none
- Timing of run early normal late
- Size of fish larger than usual average size smaller than usual
- Firmness very Firm normal mushy
- Parasites lots some none (*describe if seen*)
- Color good unusual (*describe if unusual*)

General comments about health, condition, and number of Blue Herring:

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

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

Did you try to catch any Crooked Back this past year?

yes no → *If no, go to next fish.*

Tell me about

- Number of fish: lots some few none
- Timing of run early normal late
- Size of fish larger than usual average size smaller than usual
- Firmness very Firm normal mushy
- Parasites lots some none (*describe if seen*)
- Color good unusual (*describe if unusual*)

General comments about health, condition, and number of Crooked Backs:

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

Lake Trout (Iqaluakpak, Ehohok; Vit)

Did you try to catch any Lake Trout this past year?

yes no → *If no, go to next fish.*

Tell me about

- Number of fish: lots some few none
- Timing of run early normal late
- Size of fish larger than usual average size smaller than usual
- Firmness very Firm normal mushy
- Parasites lots some none (*describe if seen*)
- Color good unusual (*describe if unusual*)

General comments about health, condition, and number of Lake Trout:

Was there anything unusual about this year's fishing for Lake Trout?

Grayling (Sulukpaugaq, Hulukpaugaq; Srijjaa)

Did you try to catch any Grayling this past year?

yes no → *If no, go to next fish.*

Tell me about

- Number of fish: lots some few none
- Timing of run early normal late
- Size of fish larger than usual average size smaller than usual
- Firmness very Firm normal mushy
- Parasites lots some none (*describe if seen*)
- Color good unusual (*describe if unusual*)

General comments about health, condition, and number of Grayling:

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

Dog salmon (Chum; Shii)

Did you try to catch any Dog Salmon this past year?

yes no → *If no, go to next fish.*

Tell me about

- Number of fish: lots some few none
- Timing of run early normal late
- Size of fish larger than usual average size smaller than usual
- Firmness very Firm normal mushy
- Parasites lots some none (*describe if seen*)
- Color good unusual (*describe if unusual*)

General comments about health, condition, and number of Dog Salmon:

Was there anything unusual about this year's fishing for Dog salmon?

King salmon (Chinook Salmon)

Did you try to catch any King Salmon this past year?

yes no → *If no, go to next fish.*

Tell me about

- Number of fish: lots some few none
- Timing of run early normal late
- Size of fish larger than usual average size smaller than usual
- Firmness very Firm normal mushy
- Parasites lots some none (*describe if seen*)
- Color good unusual (*describe if unusual*)

General comments about health, condition, and number of King Salmon:

Was there anything unusual about this years fishing for King Salmon?

Silver salmon (Sockeye)

Did you try to catch any Silver Salmon this past year?

yes no → *If no, go to next fish.*

Tell me about

- Number of fish: lots some few none
- Timing of run early normal late
- Size of fish larger than usual average size smaller than usual
- Firmness very Firm normal mushy
- Parasites lots some none (*describe if seen*)
- Color good unusual (*describe if unusual*)

General comments about health, condition, and numbers of Silver Salmon:

Was there anything unusual about this years fishing for Silver Salmon?

Did you catch any other kinds of fish that we didn't talk about already?

yes no



Types of fish _____

Was there anything unusual about this fish in the past year? Write comments below.

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

yes no



Why not?



How did not meeting your needs affect your life?

What are the two most important fish you harvest?

1 _____

2 _____

Caribou / Vutzui / Tuktu

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

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

(If person didn't hunt or observe caribou in the spring, proceed to fall section.)

How available were caribou to this community for hunting this past spring?

close by and easily found

not close, required lots of effort to get them

not at all available



If it was difficult to get caribou, what made it hard?

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

Yes no



How did not having enough caribou affect your life?

Describe the migration of caribou last spring.

Use the map and the chart on the next page to talk about the spring migration

SPRING CARIBOU MIGRATION YEAR 2001

Ref # on map	Date seen	Moving? [yes or no; if yes, direction moving]	Number seen	Group composition	Type of terrain [lakes, ridge tops, water crossings, valley bottoms, boulder fields, 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	
SM #-4			<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	

Ref # on map	Date seen	Moving? [yes or no; if yes, direction moving]	Number seen	Group composition	Type of terrain [lakes, ridge tops, water crossings, valley bottoms, boulder fields, other?]	Were the caribou feeding?	General comments about conditions observed
SM #5			<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 #6			<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 #7			<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 #8			<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	

How did snow conditions affect the caribou's travel this spring? Did it make it easy or hard for them, and why?

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

- Easy Hard

Was there unconsolidated sugar snow or hard icy snow for caribou feeding?

- Yes no

General comments about snow and caribou feeding:

Compared to other spring seasons, how fat were the caribou between mid-March and the end of May this year? Were they in:

- in good shape (had lots of rump fat?),
- between fat and poor (some back fat but less than one inch),
- in poor/skinny shape (little to no rump fat or gut fat),
- or was there a mix of some really 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.

Last year's calving period

Did you see any caribou with new calves in June this past year?

yes no



Where were they?

[Ask them to mark the location on the map, and use the following chart to record other information.]

New calves

Ref # on map	Numbers of cows with calves	Type of terrain [lakes, ridge tops, water crossings, valley bottoms, boulder fields, other?]
Calv #1		
Calv #2		
Calv #3		
Calv #4		

Did you notice if any yearling calves were still nursing last spring

yes none seen nursing Didn't notice



If Yes, did you see lots or just a few calves still nursing?

lots only a few other _____

Did anything in particular seem to affect where the caribou calved this year?

yes no

(Write comment on what affected calving below)



- snow conditions
- too much snow
- not much snow
- wind
- other weather conditions
- ice conditions
- poor feeding areas
- good feeding areas
- wolves
- human activities [ask for specifics]
- other [ask for specifics]

Fall Caribou Migration and Fall Hunt (July 1 to Nov 1)

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 to get caribou, what made it hard?

Did you get enough caribou last fall to meet your needs?

Yes no



How did not having enough caribou affect your life?

Where and when did caribou first travel near your community this past fall?

FC Ref #	Date	Where
FC #1		
FC #2		
FC #3		

Describe the migration of caribou this past fall.

Use the map and the chart on the next page to talk about the fall migration

FALL CARIBOU MIGRATION YEAR 2001

Ref # on map	Date seen	Moving? [yes or no; if yes, direction moving]	Number seen	Group composition	Type of terrain [lakes, ridge tops, water crossings, valley bottoms, boulder fields, 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	
FM #4			<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	

Ref # on map	Date seen	Moving? [yes or no; if yes, direction moving]	Number seen	Group composition	Type of terrain [lakes, ridge tops, water crossings, valley bottoms, boulder fields, other?]	Were the caribou feeding?	General comments about conditions observed
FM #5			<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 #6			<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 #7			<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 #8			<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	

Compared to other fall hunts, were the caribou you harvested

- in good shape (had lots of rump fat?),
- between fat and poor (some back fat but less than one inch),
- in poor/skinny shape (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 about these animals' body condition this past fall?

- no yes (if yes ask) —▶ Please explain.

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

- no yes —▶ (if yes note areas on map with "Rut")

Write hunter's comments on rut here

ref #	Comments
Rut #1	
Rut #2	
Rut #3	

Winter (since November 1 to now) Porcupine Caribou Observations:

How available have caribou been to our 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 to get caribou, what made it hard?

Use the map and chart on the next page to talk about where caribou have been since Nov. 1.

Caribou observations from Nov 1 to now

Ref # on map	Date seen	Moving? [yes or no; if yes, direction moving]	Number seen	Group composition	Type of terrain [lakes, ridge tops, water crossings, valley bottoms, boulder fields, 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	
WC #4			<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	

Caribou observations from Nov 1 to now

Ref # on map	Date seen	Moving? [yes or no; if yes, direction moving]	Number seen	Group composition	Type of terrain [lakes, ridge tops, water crossings, valley bottoms, boulder fields, other?]	Were the caribou feeding?	General comments about conditions observed
Wc#5			<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 #6			<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 #7			<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 #8			<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	

Did anything in particular seem to affect where caribou are wintering this year?

Write notes of each below



(Check *all* those that apply)

- Weather/Snow conditions
- Too much snow
- Not much snow
- Poor feed areas
- Good feed areas
- Wolves
- Wind/ other
- Ice conditions
- Human activity

Based on your harvest since the beginning of the rut, were the caribou

- in good shape (had lots of rump fat?),
- between fat and poor (some back fat but less than one inch),
- in poor/skinny shape (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 about animals' body condition this past year since the beginning of the rut?

- no yes (if yes ask) —————▶ Please explain.

General Questions about Porcupine Caribou?

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

- Yes No Can't tell/Don't know



Do they appear to be in

- overall better shape
 about the same shape
 worse shape → *(if in poorer shape, ask) Why?*

How many caribou did you harvest from last April until December 31 _____

Did you see any animals this past year that appeared to be unhealthy or sick?

- no yes *(if yes, mark the sick animals on the map and ask)*



Location ref #	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	
UC #3			male female	Adult Yearling Calf	

Do you think the Porcupine Herd is healthy? yes no



Why not?

Have you noticed any changes in the condition and health of the caribou over the past five years?

- Yes
 No changes
 Can't tell/ don't know



What changes have you noticed?

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:	
Kill #3	<input type="checkbox"/> Wolf <input type="checkbox"/> Bear <input type="checkbox"/> Wolverine <input type="checkbox"/> Other:	

Other comments on predators and caribou:

Observations about other animals

(If you didn't observe any other animals this year, proceed to last section.)

I'm going to read a list of animals. Please tell me if you've noticed anything unusual or noteworthy about these animals, like changes in populations, diseases, interactions with other animals.

(If person mentions anything, note species and document specific locations on map with reference number and dates where possible. Also, when noting unusual observation, ask person to explain why.)

Ducks, swans and geese

Have you noticed a change in the number or migration of ducks, swans, and geese? (Specify which species)

Map ref #	Species type	Number seen	Comments
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	
WF #4		<input type="checkbox"/> More <input type="checkbox"/> About the same <input type="checkbox"/> fewer	
WF #5		<input type="checkbox"/> More <input type="checkbox"/> About the same <input type="checkbox"/> fewer	

General comments on waterfowl migration?

Grouse/Ptarmigan

Birds of prey (hawks, falcons, owls)

Map ref #	Type of hawk, falcon, or owl	observation
BP #1		
BP #2		
BP #3		
BP #4		

Comments on birds of prey

Small birds (ask name of bird)

Map ref #	Type of small bird	Observations
SO #1		
SO #2		
SO #3		
SO #4		

Moose (Tuttuvak, Dinjik)

ref #	Observation
MS #1	
MS #2	
MS #3	

Muskoxen (Umingmak)

(If talking about caribou-muskoxen interactions, ask for specific observations)

Muskoxen ref #	Observation
MO #1	
MO #2	
MO #3	
MO #4	

Rabbits

- lots around this year
- few
- none

Comments:

Predators

Lynx (Niutuyiq; Niinjii)

Map ref #	Observations
LX #1	
LX #2	

Bears (Aklaq, Akhak, Iggarlik, Nanuq; Shoh, Shih) Indicate if referring to Grizzly or Black bear

Map ref #	Observations
BR #1	
BR #2	
BR #3	

Wolves (Amaruq, Amaguq, Zhoh)

Map ref #	Observations
WV #1	
WV #2	
WV #3	

Furbearers

Did you do any trapping?

- 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*

Map ref #	Type fur	Numbers of animals	Condition of furs this year
FR #1		Lots, some, few	Poor, fair, prime, other _____
FR #2		Lots, some, few	Poor, fair, prime, other _____
FR #3		Lots, some, few	Poor, fair, prime, other _____

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

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?

Beluga Whales (*Beluga-Qilalugaq, Kilalogaq*)

Map ref #	Location	How many in group	Timing of migration into area	Timing of whales leaving area	Comments
BG #1			<input type="checkbox"/> Early <input type="checkbox"/> Normal <input type="checkbox"/> Late	<input type="checkbox"/> Early <input type="checkbox"/> Normal <input type="checkbox"/> Late	
BG #2			<input type="checkbox"/> Early <input type="checkbox"/> Normal <input type="checkbox"/> Late	<input type="checkbox"/> Early <input type="checkbox"/> Normal <input type="checkbox"/> Late	
BG #3			<input type="checkbox"/> Early <input type="checkbox"/> Normal <input type="checkbox"/> Late	<input type="checkbox"/> Early <input type="checkbox"/> Normal <input type="checkbox"/> Late	

Anything unusual?

Bowhead whales

Map ref #	Location	How many	Timing of migration into area	Timing of whales leaving area	Comments
BH #1			<input type="checkbox"/> Early <input type="checkbox"/> Normal <input type="checkbox"/> Late	<input type="checkbox"/> Early <input type="checkbox"/> Normal <input type="checkbox"/> Late	
BH #2			<input type="checkbox"/> Early <input type="checkbox"/> Normal <input type="checkbox"/> Late	<input type="checkbox"/> Early <input type="checkbox"/> Normal <input type="checkbox"/> Late	
BH #3			<input type="checkbox"/> Early <input type="checkbox"/> Normal <input type="checkbox"/> Late	<input type="checkbox"/> Early <input type="checkbox"/> Normal <input type="checkbox"/> Late	

Anything unusual to report?

Seals (Ringed seal- Qasigiaq, Natchiq, Natik; Bearded seal- Ugruk, Ogyak; Spotted Seal)

Map ref #	location	species	How many	blubber thickness	comments
SL #1				<input type="checkbox"/> Thin <input type="checkbox"/> Normal <input type="checkbox"/> thick	
SL #2				<input type="checkbox"/> Thin <input type="checkbox"/> Normal <input type="checkbox"/> thick	
SL #3				<input type="checkbox"/> Thin <input type="checkbox"/> Normal <input type="checkbox"/> thick	

Anything unusual?

Do you have any other observations about these animals or other animals?

COMMUNITY OBSERVATIONS AND HUMAN ACTIVITIES

Do you have any observations of recent changes in community hunting and fishing activities?

Do you have any observations about recent changes in local employment? The local economy?
Education and training?

Can you speak your Native language?

Yes



Are you fluent

Know a little bit

Just a few words



How much of the day do you actually use it?

Hardly ever

A couple times a day

About half the time

Most all of the time

No *(If no, go to next question)*



Have there been important changes in this community's local culture in the past two years?

Yes

no



What are they and how are they affecting community life?

Human Activities - Have any of the following activities been increasing or decreasing in the last five years, and are they affecting the land, animals or subsistence activities?
(If there is more than one map reference for a type of activity, use; -- . HA1a, HA1b)

Map ref #	Activity	Change	Effects on animals or subsistence activities
HA #1	Airplane and helicopter traffic	<input type="checkbox"/> Increasing <input type="checkbox"/> Decreasing <input type="checkbox"/> No change	
HA #2	Snowmobile use	<input type="checkbox"/> Increasing <input type="checkbox"/> Decreasing <input type="checkbox"/> No change	
HA #3	ATVs/four-wheelers	<input type="checkbox"/> Increasing <input type="checkbox"/> Decreasing <input type="checkbox"/> No change	
HA #4	Sport hunting	<input type="checkbox"/> Increasing <input type="checkbox"/> Decreasing <input type="checkbox"/> No change	

Map ref #	Activity	Change	Effects on animals or subsistence activities
HA #5	Subsistence hunting by local people	<input type="checkbox"/> Increasing <input type="checkbox"/> Decreasing <input type="checkbox"/> No change	
HA #6	Tourism	<input type="checkbox"/> Increasing <input type="checkbox"/> Decreasing <input type="checkbox"/> No change	
HA #7	Gas and oil drilling or exploration	<input type="checkbox"/> Increasing <input type="checkbox"/> Decreasing <input type="checkbox"/> No change	
HA #8	On-the-land research by scientists	<input type="checkbox"/> Increasing <input type="checkbox"/> Decreasing <input type="checkbox"/> No change	
HA #9	Other [Ask for specifics]	<input type="checkbox"/> Increasing <input type="checkbox"/> Decreasing <input type="checkbox"/> No change	

All together, are these activities affecting animals or subsistence activities?

Yes

No



If so, how?

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

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?

Please evaluate the Arctic Borderlands Knowledge Coop community monitoring program:

2001- 2002 Community Monitoring Questionnaire; page 53

- 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.

(Say, "Thank you" for sharing your knowledge, give them their gas coupon, and have them sign the receipt)