



Gwich'in Harvest Study

Final Report

Prepared by Ian McDonald for the
Gwich'in Renewable Resource Board.
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Callaghan (GRRB)*

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GRRB

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Hunter Response

Total Harvest

Recall Period

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Hunter Response

Total Harvest

Recall Period

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Hunter Response

Total Harvest

Recall Period

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*"Muskoxen" Brian Dokum
(GRRB)*

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Number of Hunters Harvesting Each Species

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Number of Hunters Harvesting Each Species

Gwich'in Settlement Area – Totals by Year (1995-2001)

Hunter Response

Total Harvest

Recall Period

Number of Hunters Harvesting Each Species



"Moose harvest" GRRB

LIST OF ACRONYMS



"Mountain reflection" GRRB

CI	Community Interviewer
CV	Coefficient of Variation
GCLCA	Gwich'in Comprehensive Land Claim Agreement
GHS	Gwich'in Harvest Study
GMNL	Gwich'in Minimum Needs Level
GNL	Gwich'in Needs Level
GRRB	Gwich'in Renewable Resource Board
GSA	Gwich'in Settlement Area
HSA	Harvest Study Assistant
HSC	Harvest Study Coordinator
HSWG	Harvest Study Working Group
IHS	Inuvialuit Harvest Study
NTS	National Topographic System
RRC	Renewable Resources Council
TAH	Total Allowable Harvest

EXECUTIVE SUMMARY



“Boats on the river” GRRB

The Gwich'in Harvest Study (GHS) is a requirement of the Gwich'in Comprehensive Land Claim Agreement (1992)(GCLCA), which was established between the Gwich'in Tribal Council and Canada. The objective of the GHS is to provide harvest data that are necessary for:

1. Calculating the Gwich'in Minimum Needs Level (GMNL); and
2. The effective management of wildlife by the Gwich'in Renewable Resource Board (GRRB) and government.

Data collection for the study began in September, 1995 and was completed in 2004. This time period included the five years of data required by the GCLCA, and four additional years of data that the GRRB wished to collect. A comprehensive review determined that data collected during the first six years of the study (August 1995 to July 2001) were suitable for calculating the GMNL. The subsequent three years of data (August 2001 to July 2004) were judged to be unusable for this purpose because of low response rates, although these data provided additional information on harvest locations and the age class and sex of harvested animals.

The GHS was conducted in the Gwich'in Settlement Area (GSA)(56,935 km²) in the Northwest Territories, Canada in the communities of Aklavik, Fort McPherson, Inuvik and Tsiigehtchic. The target population was Gwich'in participants living in the GSA who were expected to hunt, fish, or trap at least once in the upcoming year. For the purpose of the study, these people were called “hunters”.

The GHS attempted to contact all of the hunters. During interviews, hunters were asked to recall their hunting, fishing or trapping activities for the previous month, or longer if interviews for previous time periods had been missed. Hunters were asked to recall the number of animals they harvested, the location of these harvests, and in some cases the age class and sex of animals that were harvested.

The study was designed by the Harvest Study Coordinator, in consultation with the GRRB, the Harvest Study Working Group and the Renewable Resources Councils (RRCs). Community consultations were recognized as critical for maximizing participation in the study, collecting accurate data, communicating the study rationale, and ultimately for making the study meaningful to participants. Consultations with the RRCs and the GRRB were continued on a regular basis throughout the data collection phase of the study.

This report describes the background and methods of the GHS from 1995 to 2004 and presents hunter response, total harvests, recall period, and the number of hunters harvesting each species from 1995 to 2001. These data are reported by community, by month and as a total for each study year, and for all four communities combined.

1.0 INTRODUCTION

1.1 Background to the Gwich'in Harvest Study



*"Mackenzie Delta" Kristen
Callaghan (GRRB)*

The Gwich'in Harvest Study (GHS) is a requirement of the Gwich'in Comprehensive Land Claim Agreement (1992)(GCLCA), which was established between the Gwich'in Tribal Council and Canada. The Gwich'in Renewable Resource Board (GRRB) and the Renewable Resources Councils (RRCs) were created through the GCLCA. The GRRB is a co-management board, and is the main instrument of wildlife management in the GSA. The RRCs are elected in each community in the Gwich'in Settlement Area (GSA). They have renewable resources management responsibilities, including encouraging local involvement in renewable resources management and research. The GCLCA states that the GRRB is responsible for conducting the GHS, and that the RRCs are to be involved to the greatest extent possible. The GCLCA also requires the creation of a Harvest Study Working Group (HSWG) to support the harvest study. The HSWG consisted of representatives from the Gwich'in and government agencies with wildlife management responsibilities in the GSA.

The objective of the GHS is to provide harvest data that are necessary for:

1. Calculating the Gwich'in Minimum Needs Level (GMNL); and
2. The effective management of wildlife by the GRRB and government.

Data collection for the study began in September, 1995 and was completed in 2004. This time period included the five years of data required by the GCLCA, and four additional years of data that the GRRB wished to collect. A comprehensive review determined that data collected during the first six years of the study (August 1995 to July 2001) were suitable for calculating the GMNL. The subsequent three years of data (August 2001 to July 2004) were judged to be unusable for this purpose because of low response rates, although these data provided additional information on harvest locations and the age class and sex of harvested animals.

The GHS is similar in scope, objectives and methodology to other large scale harvest studies in the Canadian north. These include the harvest study conducted by the James Bay and Northern Quebec Native Harvesting Research Committee (1982), the Inuvialuit Harvest Study (Joint Secretariat 2003), the Nunavut Wildlife Harvest Study (Nunavut Wildlife Management Board 2004) and the Sahtu Settlement Harvest Study.

Other harvest studies were conducted in the GSA previous to the GHS (e.g. Bisset 1974; Simmons 1973; Jessop et al. 1974). These studies may provide data that can be used in association with the GHS.

1.0 INTRODUCTION

1.2 The Gwich'in Minimum Needs Level

The GRRB has the authority to establish a total allowable harvest (TAH) in the GSA for a species or population of wildlife for the purpose of conservation. The TAH is the maximum number of individuals of a species or population of wildlife that can be harvested by all people, including Gwich'in participants. The TAH can be applied to the GSA as a whole, or to particular areas or communities within the GSA. The harvest of wildlife by participants cannot be limited by the GRRB until a TAH is set.

The GRRB is required to set a Gwich'in Needs Level (GNL) when a TAH is set. The GNL is the portion of the TAH that is allocated for use by participants. When the GNL is lower than the TAH, meeting the GNL constitutes first demand on the TAH. The difference between the GNL and the TAH can be allocated for use by non-participants. When the GNL is greater than the TAH, participants are allocated all of the TAH. The GNL can be adjusted by the GRRB once it has been set.

The GRRB is required to consult with the RRCs when setting a GNL, and to consider all relevant factors, including:

- The usage patterns and levels of past harvests by the Gwich'in;
- Personal consumption needs of the Gwich'in, including their nutritional, clothing and cultural needs and fish for their dogs;
- Trade among the Gwich'in to meet personal consumption needs described above; and
- The availability of various wildlife species and populations to meet these needs.

The GMNL is the lowest limit of the GNL. The GMNL is calculated, for species or populations of wildlife other than migratory birds, based on data collected by the GHS using the following formula:

$$\left[\frac{h_1 + h_2 + h_3 + h_4 + h_5}{5} + h_{\max} \right] \times 1/2$$

where

h_1 = harvest in year 1

h_2 = harvest in year 2

h_3 = harvest in year 3

h_4 = harvest in year 4

h_5 = harvest in year 5

h_{\max} = greatest harvest in years 1-5.



"Jane Charlie Sr and Elaine Alexie harvesting moose"
GRRB

1.0 INTRODUCTION

The GMNL for a species or a population of migratory bird is calculated by determining the total annual harvest of that species or population in the GSA, and the harvest of that species or population by participants and non-participants, for five consecutive years.

The average total annual harvest, the average annual harvest by participants and the average annual harvest by non-participants are then calculated. The GMNL for that species or population of migratory bird is the percentage of the average annual harvest by participants of the average total annual harvest, multiplied by the TAH for that species or population of migratory birds.



*"Wolf" Catherine Lambert
Koizumi (GRRB)*

1.3 The Gwich'in Harvest Study Final Report

This report describes the background and methods of the GHS from 1995 to 2004 and presents hunter response, total harvests, recall period, and the number of hunters harvesting each species from 1995 to 2001. These data are reported by community, by month and as a total for each study year, and for all four communities combined.

Background information about the study, and a discussion of the study methods, are also provided. This report provides the data required to calculate the GMNL for species or populations of wildlife in the GSA. This report replaces data provided in interim reports released during the data collection phase of the study.

2.0 STUDY AREA



"Raven at sunset" GRRB

The GHS was conducted in the GSA (56,935 km²) in the Northwest Territories, Canada in the communities of Aklavik, Fort McPherson, Inuvik and Tsiigehtchic (Figure 1). The GSA is bounded by the Inuvialuit Settlement Region to the north, the Sahtu Settlement Area to the east and south, and the Traditional Territories of the Vuntut Gwitchin and the First Nation of Nacho Nyak Dun to the west. The GSA occurs in the Taiga Plain and Taiga Cordillera Ecozones (Ecological Stratification Working Group 1996). The majority of the GSA is flat, dominated by black spruce bog and numerous small lakes and ponds. Mountainous terrain is found in the extreme western and southern portions of the GSA. The Mackenzie Delta occupies the northern portion of the GSA. The most common tree species is black spruce (*Picea mariana*) followed by white spruce (*Picea glauca*), white birch (*Betula papyrifera*), and tamarack (*Larix laricina*). There is a well defined shrub community featuring bog birch (*Betula glandulosa*), labrador tea (*Ledum glandulosum*), bearberry (*Arctostaphylos spp.*) and blueberry (*Vaccinium spp.*). The climate features long, cold winters (-20 to -35°C) and short, cool summers (10 – 15°C).

The study area also includes the Primary and Secondary Use Areas (Figure 1), which are adjacent to the GSA and incorporate the traditional use areas of the Tetlit Gwich'in in the Yukon. The Primary and Secondary Use Areas are approximately 21,988 km² and 11,456 km² respectively.

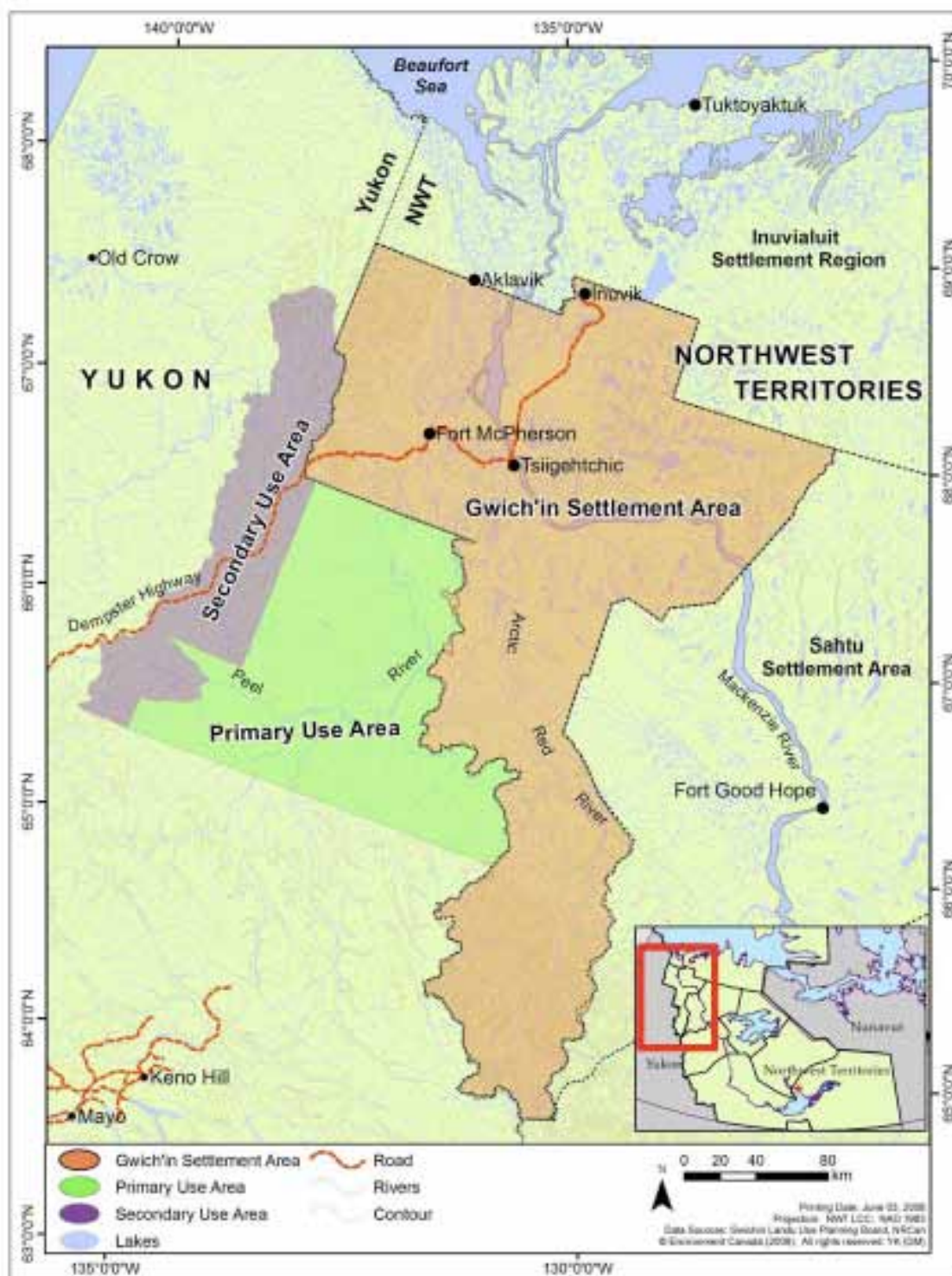


Figure 1. Regional setting of the Gwich'in Settlement Area.

2.0 STUDY AREA

Populations of the communities involved in the GHS are presented in Table 1.

Table 1. Populations of communities involved in the Gwich'in Harvest Study, 1995-2004. Source: Gwich'in Enrolment Board; Government of the Northwest Territories (1996 and 2001 census data).

	Aklavik		Ft. McPherson		Inuvik		Tsiigehtchic	
Year	GB	TP	GB	TP	GB	TP	GB	TP
1995	220		757		332		118	
1996	228	727	769	878	378	3,296	126	162
1997	284		785		399		134	
1998	263		809		415		145	
1999	235		796		449		131	
2000								
2001		632		761		2,894		195
2002								
2003								
2004	165		722		640		156	

Note: GB=Number of Gwich'in participants; TP=Total population.



"Richardson Mountains" Kristen Callaghan (GRRB)

3.0 IMPLEMENTATION

3.1 Study Phases

The three phases of the GHS were:

1. Study design and pre-test;
2. Data collection and interim data reporting; and
3. Data review, analysis and final reporting.

3.2 Designing the Study

The study was designed by the Harvest Study Coordinator (HSC), in consultation with the GRRB, the HSWG and the RRCs. Community consultations were recognized as critical for maximizing participation in the study, collecting accurate data, communicating the study rationale, and ultimately for making the study meaningful to participants. Consultations with the RRCs and the GRRB were continued on a regular basis throughout the data collection phase of the study. Meetings were also held with the coordinator of the IHS to discuss the study design and to prevent overlap in the IHS and GHS hunter lists. The study was pre-tested before data collection began to assess how well the interview process worked. The pre-test involved interviewing ten hunters in Inuvik.

The data collected by the study and the methods used to collect it were intended to be similar to those of other broad scale harvest studies that were previously conducted, or were ongoing, when the GHS was initiated. A review of previous harvest studies (Weinstein 1976; James Bay and Northern Quebec Native Harvesting Research Committee 1982; Gamble 1988; Jingfors 1986; Berkes 1990; Berkes et al. 1994; Tobias and Kay 1994; Weinstein and Morrell 1994; Berkes et al. 1995) and reviews of harvest study methods (Usher et al. 1985; Usher and Wenzel 1987; Filion 1980) were conducted prior to designing the GHS. A review of the GHS methods was commissioned by the GRRB in 1997 (Usher 1997) to assess the proposed methods for estimating total harvests and to review the study documentation.



"Tent frame" GRRB

3.3 Personnel

The study staff consisted of the HSC and the Harvest Study Assistant (HSA)(both in Inuvik), and four Community Interviewers (CIs) (one in Aklavik, two in Fort McPherson and one in Tsiigehtchic).

The HSC designed and coordinated the study. This included hiring, training, and supervising the interviewers, developing promotional material, designing the computer database, entering, verifying, analysing and reporting the data collected by the study, and responding to requests for data. In a few cases, the HSC conducted interviews in Inuvik.

3.0 IMPLEMENTATION

The HSC also consulted with the communities, and with other people and organizations involved with the study. The CIs and the HSA (collectively referred to as “interviewers”) conducted interviews in their community, were responsible for keeping the interview list current and assisted with promoting the study. The HSA also assisted the HSC with the administration of the study.

Participants, or people who were not participants but were of Gwich’in ancestry, were hired to work as interviewers. The RRCs, and in some cases members of the GRRB and the HSWG, were involved in hiring the interviewers. The RRCs and HSC attempted to select interviewers who were responsible and had knowledge of harvesting and of the land.

The interviewers were trained by the HSC. During the one to two day training sessions the interviewers were taught how to:

- Explain the background of the study;
- Use and update the interview list;
- Use the survey form;
- Use the maps; and
- Deal with some of the problems related with conducting interviews.

A guide was developed to standardize the training and to ensure that adequate background information was provided during the training sessions (Appendix A). As part of the training process, the HSC and the interviewer role-played 13 interview situations. The interviewer then conducted three to five real interviews under the supervision of the HSC. The HSC met with the interviewers after their first month of work, or contacted them by telephone in a few cases, to review their progress and to answer questions.

The HSC contacted the CIs by telephone two to three times each month. CIs were contacted at the beginning of the month to make sure they were prepared to do the interviews, and a week before their work was to be submitted. They were also contacted at the end of the month if any of the data they submitted required clarification. The HSC met with the CIs in person at least once a year to discuss the study and how their work was going. Meetings were held with the interviewers as a group in 1996 and 1997 to identify and discuss issues related to the study.

3.4 Defining and Identifying Hunters

The target population for the study was Gwich’in participants living in the GSA who were expected to hunt, fish or trap at least once in the upcoming year. For the purpose of the study, these people were called “hunters”. Hunters could be male or female. A lower age limit was not included in the definition of a hunter. Harvests of young hunters could be reported directly to the interviewer or by another



“Sundogs” GRRB

3.0 IMPLEMENTATION

household member who was already being interviewed for the study.

Lists of hunters were developed and maintained for each community. These interview lists were initially created by the interviewers, the RRCs and the HSC by reviewing the 1995 Gwich'in Enrolment Register produced by the Gwich'in Enrolment Board. Hunters were identified from the Gwich'in Enrolment Register based on the knowledge of the interviewers and the RRCs.

The interviewers could make changes to the interview list every month. Names were added to the list when new hunters were identified, and were removed if a hunter stopped hunting, fishing or trapping, moved out of the community or if they did not want to participate in the study. Interview lists were reviewed annually by the interviewers and the HSC, and in some cases by the RRCs.

In addition to interviewing participants, there was an interest from some of the RRCs and the GRRB to document the harvests of other community members who were:

- Of Gwich'in ancestry but not enrolled as a participant;
- Living with and helping to support a participant; or
- Living with and helping to support a person of Gwich'in ancestry who had not enrolled as a participant.



"Fishing" GRRB

Collecting harvest data from these people was seen as important as it provided a more complete picture of harvesting activity. However, harvest data that was collected from non-participants is not included in this report because the GMNL is to be calculated using the harvests of participants only, and because harvests of non-participants may be reported through other means (e.g. the Northwest Territories Resident Harvest Survey, the National Harvest Survey for migratory game bird species in Canada).

Prior to August, 1995, the IHS interviewed people in Aklavik and Inuvik who fit the definition of a hunter for the GHS. People identified as hunters by the GHS were removed from the IHS interview lists before interviews for the GHS began. This was done to prevent multiple counting of harvests if the data from these two studies were combined.

The GCLCA suggests that, in order to calculate the GMNL for migratory birds, it would have been appropriate to interview all people living in Aklavik, Fort McPherson, Inuvik, and Tsiigehtchic who harvested migratory birds in the GSA. The GHS did not do this as it would have increased the costs of the study. For the purpose of calculating the GMNL for migratory birds, the harvest of non-Gwich'in participants will have to be determined from sources other than the GHS (e.g. the IHS, the National Harvest Survey for migratory game bird species in Canada).

4.0 DATA COLLECTION

4.1 Definition of Harvest

Hunters were asked to recall the number of animals they hunted, fished or trapped. Animals that were killed or wounded, but not recovered, were not recorded. It was felt that collecting these data could be sensitive, and would have made the interview longer and more complex. A harvest that was reported by two or more hunters was assigned to one of the hunters to avoid counting a single harvest multiple times. Hunters were asked to report harvests from areas within and outside of the GSA. Harvests from any location were included in the study as long as the hunter was living in a community that was included in the study.



"Harvest interview" GRRB

Wildlife that was harvested and sold commercially on a small scale was included in the GHS and used in the calculation of the GMNL. Examples of small scale commercial harvests include furs that were trapped and sold locally or non-locally through fur auctions, and fish and caribou that were sold locally. In all of these cases the harvesting was conducted by one or a few self-employed hunters. There were no large scale commercial harvesting operations in the GSA from 1995 to 2004.

4.2 Species List

A species list of wildlife harvested by participants living in the GSA was created before data collection began. The species list was developed to identify common names for animals that were likely to be reported to the study, and to determine which species would be grouped for the purpose of the study. The species list was not used as a prompt during the interviews (i.e. it was not read or shown to hunters during the interview). Hunters could report data about animals on the species list, or any other animals they harvested. Species that were not already on the list were added when they were reported to the study. Gwich'in names were determined for animals on the species list to assist with translating names of animals that were reported in Gwich'in. Spelling of these names is based on Gwich'in Elders (1997; 2001), or on conversations with Gwich'in Elders. The species list that was developed from 1995 to 2004 is found in Appendix B.

A number of species were grouped for the purpose of recording harvest data. The herring, sucker, black duck, grouse, ptarmigan, and scaup groups include two to three species. Three additional groups: duck sp.; goose sp.; and fish sp. were created to accommodate hunters who could not recall their duck, geese and fish harvests by species. Species were grouped when it was felt that most hunters would not be able, or would not want, to report these harvests by species. It was felt that asking hunters to identify these harvests by species would make the interview process confusing and more burdensome. It is recognized that additional interpretation will be required when calculating a GMNL for species that were grouped, or when using these data for resources management. However, it was not seen as useful to collect harvest data for these species when it was likely that the data would be inaccurate.

4.0 DATA COLLECTION

Caribou harvests were recorded by the study as Porcupine caribou, Bluenose caribou or Woodland caribou. These distinctions were made by the hunter or by the interviewer. In some cases, harvest locations were used to identify which herd or sub-species of caribou a harvested animal belonged to. What was once known as the Bluenose Caribou Herd was later determined to consist of three separate caribou herds: the Cape Bathurst, Bluenose West and Bluenose East caribou herds. Harvest locations may be used to identify from which of these three herds a harvest reported as Bluenose caribou belonged to, but this analysis was not done for this report.

4.3 Interview Period

Interviews were conducted each month as this time period was thought to be short enough to minimize recall error, and long enough to discourage the response burden that would be caused by more frequent interviews. Having the ability to look at harvests by month or by season was also thought to be extremely useful. Finally, monthly interviews would allow the data collected by the GHS to be better compared and integrated with harvest data from the IHS, which also collected harvest data on a monthly interval. The interview frequency was changed in 2004 to one interview every three months. During these interviews hunters were still asked to report their harvesting activities by month. The interview frequency was changed to address concerns that hunters were tiring of the interview process, and to reduce the cost of conducting the study.

Interviewed hunters were asked to recall their hunting, fishing or trapping activities for the previous month (e.g. during September hunters would be asked to recall activities for August). These sets of monthly interviews were called survey waves. Each of these survey waves was considered independent, as the size of the hunter population and hunter response varied between them. Hunters who were not contacted for a given month or months could provide harvest data for these time periods during a subsequent interview, up to a maximum of six months of recall. After six months interviews were no longer attempted for those survey waves. The interview lists indicated which months each hunter was to be interviewed for. Data were collected for previous months when a hunter was added to the interview list if the hunter had been in the community for some time.

A maximum recall period was established because it was thought to be unrealistic, in some cases, to ask hunters to accurately recall harvests over long periods of time. This was felt to be especially true for harvests of some species of fish, where harvests could be large and the number of fish that were harvested may not have been determined by the hunter in the first place. Some harvests (e.g. of caribou or moose) would likely be accurately recalled past six months by most hunters. However, having different recall periods for different species was seen as too complicated. The maximum recall period of six months was selected as a compromise between collecting inaccurate harvest data for some species and losing harvest data that could be accurately recalled over long periods of time.



"Rebecca Francis teaching youth how to harvest fish" GRRB

4.0 DATA COLLECTION

4.4 Coverage

The GHS attempted to contact all of the hunters on the interview list. This approach is known as a census. The study attempted to contact all hunters, rather than a sample of them, as the GRRB and the RRCs did not feel that it was appropriate to knowingly exclude hunters from the study, and because the size of the communities involved in the study made conducting a census possible. In addition, this approach avoids errors that can be caused when a probability sample is selected from the hunter population.

4.5 Interview Process

During interviews, hunters were asked to recall their hunting, fishing or trapping activities for the previous month, or longer if interviews for previous time periods had been missed. If they reported a harvest, they were asked questions about the species, number of animals, the location and, for moose, Dall's sheep, caribou, bears, beluga whales and muskoxen, the age class and sex of the animals that were harvested. Any comments made by the hunter were also recorded.

Completed survey forms and interview lists were sent to the study office in Inuvik at the end of every month. Completed survey forms were reviewed by the HSC or the HSA. Incomplete, missing or questionable data were corrected by speaking with the interviewer or the hunter.

The interviews in Aklavik, Fort McPherson and Tsiigehtchic were conducted in person by the CIs. Face-to-face interviews was the preferred method for collecting data for the study because this approach typically results in higher hunter response (Filion 1980; Scheaffer et al. 1996, Groves et al. 2004). Some interviews in Inuvik were done by telephone by the HSA. Telephone interviews were sometimes followed up with a face-to-face interview, especially when there were large amounts of data to record, or to identify uncommon harvest locations. In Aklavik, Fort McPherson and Tsiigehtchic hunters were asked to sign the interview list to indicate that the interview had been conducted. Signatures were not required for interviews conducted by the HSA, as the HSA and HSC worked closely together and quality control issues were therefore easier to deal with.

Language was not a problem when harvest data were collected for the GHS. English is commonly used in the GSA, and the Gwich'in names of animals likely to be reported to the study were determined before the study began to allow for accurate translations.

Recall aids, such as a calendar or booklet, were not used for the GHS because it was felt that these items were not used widely or consistently enough by hunters in other harvest studies to overcome the problem of recalling harvest data over long periods of time. A calendar was developed annually by the GRRB starting in 1998, but this



"Duck habitat" GRRB

4.0 DATA COLLECTION

was intended to promote the GHS and the work of the GRRB rather than as a place to record harvest information. Efforts were made to keep the system for conducting the interviews as simple as possible to minimize the burden of being interviewed. It was felt that providing harvest data could become time consuming and tiresome for hunters, especially if they frequently had harvest data to report. In addition, a simple interview system was thought to improve the quality of the interviews that were conducted. This was especially important for the CIs who worked with limited supervision. Finally, it was easier to train the interviewers if the approach for conducting the interviews was simple.

Personal information about hunters (e.g. age, sex, household income) was not collected as this information was not required to meet the objectives of the study, and because it was felt that some hunters may have been uncomfortable with providing this information.

4.6 Survey Form

Harvest data were recorded by the interviewer on a survey form. Two different survey form designs were used from 1995 to 2004. The first (Figure 2) was used from 1995 to 2003, and the second (Figure 3) was used in 2004. A description of these survey forms is provided in Table 2. The main difference between the forms is that one month of data were recorded per form from 1995 to 2003, while multiple months of data could be recorded on one form in 2004.



"Checking nets" GRRB

4.0 DATA COLLECTION

What did you harvest during the last 3 months?

Gwich'in Harvest Study

Hunter Code: _____	2004	Interviewer: _____
		Interview Date: _____
Activity Code: (1) Harvested (3) Did not harvest (5) Moved (7) Remove: does not harvest	(2) Harvested but did not get anything (4) Could not contact (6) Remove: no longer participate (8) Other	Age: (Adult) A, (Juv) J, (Calf) C, (Unk) U Sex: (M) Male, (F) Female, (U) Unknown

Ask age and sex information for: Moose, Dall's sheep, Caribou and Bears.

Month	Act. Code	Animal Harvested	Place Name	Map Code	# Harvested

Comments:

Figure 3. Survey form used for the Gwich'in Harvest Study in 2004.

4.0 DATA COLLECTION

Table 2. Description of the survey form used for the Gwich'in Harvest Study.

Name of Section	Description
Hunter Code:	The hunter code of the hunter being interviewed.
Interviewer:	The name or initials of the interviewer.
For month of:	The month the data were for.
Activity Code:	<p>The activity code that best described what the hunter did that month. The codes are:</p> <p>(1) Harvested. The hunter went hunting, fishing or trapping and harvested something; (2) Hunted but did not get anything. The hunter went hunting, fishing or trapping but did not harvest anything; (3) Did not hunt. The hunter did not hunt, fish or trap; (4) Could not contact. The hunter was not contacted; (5) Moved. The hunter moved from the community; (6) Remove: does not want to participate. The hunter does not want to participate in the study; (7) Remove: does not hunt. The hunter no longer hunts, fishes or traps; and (8) Other. The hunter should be removed from the interview list. This code was used when codes 5, 6 or 7 did not apply.</p>
Interview Date:	The date the interview was conducted.
What animal did you harvest?	The common name, or group name, of the animal that was harvested.
Where did you harvest these animals? Place Name	The place name for the harvest location.
Where did you harvest these animals? Map Code	The map code for the harvest location.
How Many?	The number of animals that were harvested.
Age:	The age class of the animal that was harvested. The age classes were adult, juvenile, calf and unknown. Age class data were recorded for moose, Dall's sheep, caribou, bears, beluga whales and muskoxen. The interviewers used a check mark, or a number, in one of these boxes to indicate the age class of the animal that was harvested.
Sex:	The sex of the animal that was harvested. Sex data were recorded for moose, Dall's sheep, caribou, bears, beluga whales and muskoxen. An unknown category was included. The interviewers used a check mark, or a number, in one of these boxes to indicate the sex of the animal that was harvested.
Comments:	Any other information the hunter wished to provide.

4.0 DATA COLLECTION

The survey form was filled in by the interviewer as the interview was conducted. The hunter code, interviewer, and interview date sections were filled in, and the appropriate months and activity codes were circled. The species name, place name, map code, and number of animals harvested were written on the survey form. Age class and sex information were recorded by checking the appropriate column on the survey form. In some cases harvest data had to be recorded on separate lines in order to clearly document all of the age class and sex data, and locations, for a harvest. Training provided to the interviewers helped them record the information properly in these situations.

Age classes were recorded by the study as “adult”, “juvenile” and “calf”. For the purpose of the study, calves were animals that were one year old or younger, juveniles were animals that were over one year of age but were not sexually mature, and adults were animals that were sexually mature. No formal definition of these age classes were provided; they were reported by, and were based on the knowledge of, hunters. The term “calf” was intended to refer to cubs-of-the-year for grizzly bears, and to lambs for Dall’s sheep. An unknown category was included for both age class and sex.



*“Muskoxen” Brian Dokum
(GRRB)*

4.7 Recording Harvest Locations

Harvest locations were reported as place names and as 10 km² polygons that corresponded to the Universal Transverse Mercator (UTM) grid on 1:250,000 National Topographic System (NTS) maps (Figure 4). Fish harvests always included the name of the water body where the fish was caught. Some polygons created by the UTM grid are less than 10 km², as the grid is divided into zones that diverge to account for the curvature of the earth. Polygons smaller than 10 km² fill the space where the zones diverge (Figure 5). The use of polygons meant that exact harvest locations did not have to be found and the confidentiality of these locations was maintained. Polygons of this size were considered to be small enough for management purposes for most species.

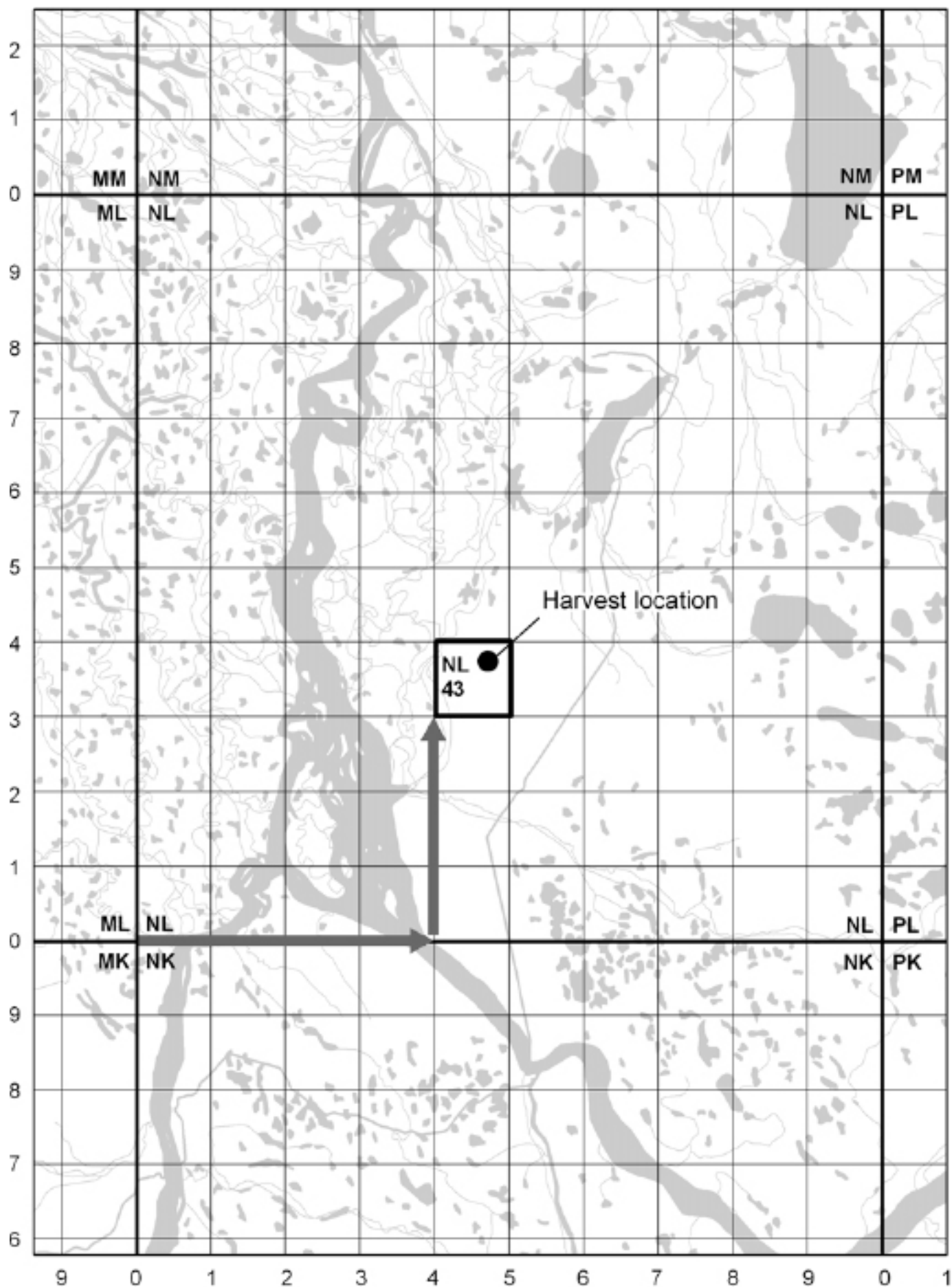


Figure 4. The system used to identify map codes for the Gwich'in Harvest Study.

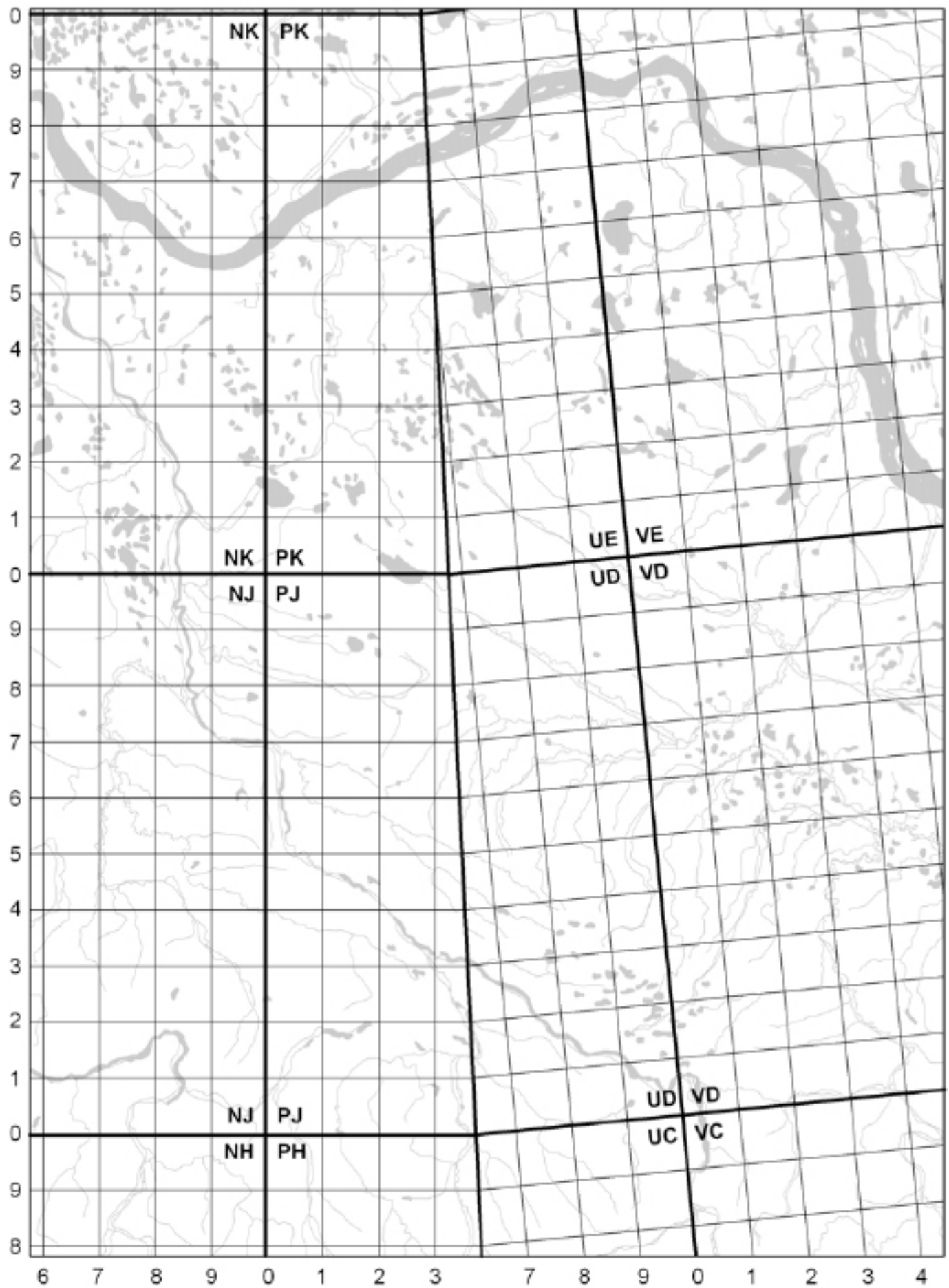


Figure 5. An area of the Universal Transverse Mercator (UTM) grid where two zones diverge.

4.0 DATA COLLECTION



"Mountains near Manual Creek"
Kristen Callaghan (GRRB)

Maps covering the entire GSA and surrounding areas were organized into binders and indexed for ease of reference by the interviewers. Smaller, laminated NTS maps of the main areas used for hunting, fishing or trapping by each community were also provided. These maps were used when carrying the map binder was impractical. In cases where a harvest location was outside of the area covered by the maps, the place name was recorded on the survey form and the map code was determined by the HSC. Harvest data were mapped using Map Info for Power Mac (version 4.0, ESRI, Redlands), and later using ArcMap (version 9.2, ESRI, Redlands).

5.0 DATA MANAGEMENT AND REPORTING

A computer database was developed to assist with managing and reporting the study data. The initial database was developed using File Maker Pro (version 3.0 for Macintosh, Filemaker Inc., Santa Clara). The data were later moved to a database developed with Microsoft Access 2000 (version 9.0.6926 SP-3, Microsoft Corporation, Redmond).

Study data were entered into the database and then checked by the HSC and the HSA. Harvest locations were checked by mapping the locations and looking for questionable entries (e.g. species that were out of their range, harvests that were great distances from communities), and by comparing map codes with place names. Questionable entries were checked by referring to survey forms or by speaking with the interviewer or the hunter.

In a few cases hunters reported harvest information for a period of time that was longer than one month, or reported harvest locations as an area that covered more than one polygon. In these instances the data were divided equally over the months or polygons the data were reported for. Harvests were divided to the nearest whole number, and any remainder was randomly assigned to one of the months or polygons. The entire harvest was randomly assigned to one of the months or polygons if dividing the data led to a fractional harvest. A note was made in the database when this manipulation of the data was conducted.

Harvest data was reported during the data collection phase of the study. Reported harvests were sent to the RRCs each month. Annual reports of reported harvests by month, year and community were sent to the RRCs, the GRRB and other renewable resources management agencies in the region. Custom reports were created in response to specific requests for data.

A final check of the data was conducted once the data collection phase was complete. Records in the database were compared against the interview lists to ensure there was a corresponding record for each hunter. The database was checked for errors by sorting the records for each hunter sequentially and reviewing these records for inconsistencies (e.g. missing data, duplicate records). Any problems that were identified were checked against the interview list or the survey form. Updates were made when there was clear evidence that the record in the database was incorrect. A search was also conducted for any interviews that involved more than six months of recall. A final review of harvest locations was also conducted.



"Ice-fishing" GRRB

6.0 CONFIDENTIALITY

Harvest data were not released in a manner that identified the hunter who reported it. This was a requirement of the GCLCA. The names of hunters were kept confidential, in part, by assigning each hunter a unique hunter code. These codes were used instead of names on the survey forms and in the database, and were only available to the interviewers and the HSC. In addition, harvest data were not released if it was easy to associate with a hunter (e.g. harvest locations around a remote cabin belonging to a single hunter).

Requests for data, other than monthly and annual data reports, were submitted in writing to the Executive Director of the GRRB. These requests were reviewed by the Executive Director for conflicts with the confidentiality requirement of the GHS. Harvest data were not provided for requests that conflicted with the confidentiality requirement of the study.

Hunters were provided with data they reported to the study if they personally requested it. The confidentiality requirement will continue as long as the study data are made available through the GRRB.



"Rachael Stewart, Louisa Robert and Tibatha Nerysoo skinning hares" GRRB

7.0 PROMOTING THE STUDY

A number of promotional activities were conducted for the study. These activities were designed to educate participants, and others, about the purpose of and the need for the study, and how the data are used to help protect hunting, fishing and trapping by participants. The following promotional activities were conducted:

- Radio announcements, posters and a one-page description of the study were used to describe and promote the study before the data collection phase began;
- Mugs and posters promoting the study were distributed to hunters four months into the data collection phase;
- A monthly draw for prizes was held for hunters. The contest began in March, 1996. Five prizes were given out each month: one each for Aklavik, Inuvik, and Tsiigehtchic and two in Fort McPherson. A short message announcing the contest winners and promoting the study was put on the radio in each community every month. A draw was also held for a larger annual prize;
- Reported harvests were sent to the RRCs each month to promote the study and to report on it's progress. Posters, with a blank space for these updates were provided to all of the RRCs;
- A calendar promoting the study and informing people about the work of the GRRB was distributed throughout the GSA each year, starting in 1998; and
- Presentations describing the study were made at RRC and GRRB meetings, and at regional, national and international meetings and conferences, throughout the duration of the study.



"Drying fish" GRRB

8.0 ANALYSIS

8.1 Study Years

The data were divided into six study years for analysis and reporting. The time period for these study years is described in Table 3.

Table 3. Study years for the Gwich'in Harvest Study.

Study year	Time period
1	August 1995-July 1996
2	August 1996-July 1997
3	August 1997-July 1998
4	August 1998-July 1999
5	August 1999-July 2000
6	August 2000-July 2001

8.2 Hunter Response

Hunter response was reported by community and for the GSA using four categories: hunter list; hunters interviewed; harvested; and did not want to participate. The activity codes used to create these categories are described in Table 4. Hunter response was reported by survey wave, and as totals for each study year and for all study years combined. Hunters were only counted once for a given study year, or for all study years combined, when these totals were calculated.

Table 4. Activity codes used to create hunter response categories for the Gwich'in Harvest Study.

Hunter response category	Activity code
Hunter list	1-Harvested 2-Hunted but did not get anything 3-Did not hunt 4-Could not contact 6-Remove: does not want to participate
Hunters interviewed	1-Harvested 2-Hunted but did not get anything 3-Did not hunt
Harvested	1-Harvested
Did not want to participate	6-Remove: does not want to participate

Response rates were calculated for each survey wave as:

$$\text{Hunters interviewed} / \text{Hunter list} \times 100\%$$



"Teaching about dry fish" GRRB

8.0 ANALYSIS

Mean response rates were also calculated by community and for the GSA for each study year and for all study years combined.

The “harvested” and “hunted but did not get anything” activity codes were intended to provide a measure of the effort that hunters put into hunting, fishing or trapping. However, it was felt that the “hunted but did not get anything” activity code was not used consistently by the hunters or interviewers over the life of the study. The combination of the “harvested” and “hunted but did not get anything” hunter codes were therefore not considered a reliable measure of the amount of effort put into hunting, fishing or trapping.

8.3 Total Harvest

Total harvest was reported for each species (or group of species) by community and for the GSA by survey wave, and as totals for each study year and for all study years combined. Total harvests were estimated from reported harvests using a projection that is based on hunter response rates. This procedure provides a reliable estimate of total harvest, and its associated sampling error, if:

1. The hunters who were on the interview lists, in addition to the hunters who did not want to participate in the study, accurately represented the hunter population;
2. The hunters who participated in the study were a representative sample of the hunter population, by virtue of adequate hunter response and appropriate assessment of non-response error; and
3. The responses that hunters provided to the questions asked during the interviews were valid (i.e. they measure the true harvests of responding hunters).

Variance was used to produce two indicators of the reliability of the annual harvest estimates:

- The margin of error provides a range in which the true harvest is likely to lie and the confidence that the true value falls within this range. Margins of error were calculated at 95% confidence and are reported with total harvests;
- The coefficient of variation (CV). A large margin of error is not necessarily indicative of an unreliable estimate. The margin of error is in the units of the reported species, so what is large for one may be small for another. The CV, expressed as a percent, is unitless and provides a better indicator of the reliability of the annual total harvest across species. Generally, annual total harvests whose CVs are greater than 33.3% are considered unreliable. The total harvest tables indicate cases where the CV of an annual total harvest exceeds 33.3%.



“Caribou drying” GRRB

8.0 ANALYSIS

The variance estimation procedure assumes that the surveys were independent from community to community and from month to month. The assumption of geographic independence was valid, as non-response would have been random across communities in any given month. The assumption of monthly independence was more tenuous. It is possible that non-response was not random month to month. It is also possible that a hunter's activities and harvests in one month might have been affected by those in a previous month. Any such linkages would only affect the variances and not the total harvests, but it is not possible to speculate on what effect they might have had.

The total harvest for month m in community c was estimated by

$$\hat{Y}_{mc} = \frac{N_{mc}}{n_{mc}} \sum_i y_{mci}$$

Where

N_{mc} is the number of hunters in month m and community c ;

n_{mc} is the number of hunters reporting in month m and community c ;

y_{mci} is the harvest reported by the reporting hunter i in month m and community c .

The variance for the total was estimated by:

$$\hat{Var}(\hat{Y}_{mc}) = \frac{N_{mc}^2}{n} (1 - f_{mc}) s_{mc}^2$$

Where

$$f_{mc} = \frac{n_{mc}}{N_{mc}}$$

is the sampling fraction in month m and community c ,

$$s_{mc}^2 = \sum_i (y_{mci} - \bar{y}_{mc})^2 / (n_{mc} - 1)$$

is the estimated per-unit variance for month m and community c .

Since each month was treated as a separate survey wave, the annual total harvest for community c was estimated as the sum of the monthly estimates

$$\hat{Y}_c = \sum_m \hat{Y}_{mc}$$

The monthly survey waves were treated as independent. Therefore, the annual



"Jiggling" GRRB

8.0 ANALYSIS

variance was estimated as the sum of the estimated monthly variances

$$\begin{aligned}\hat{Var}(\hat{Y}_c) &= \sum_m \hat{Var}(\hat{Y}_{mc}) \\ &= \sum_m \frac{N_{mc}^2}{n_{mc}} (1 - f_{mc}) s_{mc}^2\end{aligned}$$

A similar procedure was used to estimate total harvests and their associated variances for all four communities combined. The monthly surveys were conducted independently in each community, so the total harvest of all four communities is equal to the sum of the total harvests across the four communities. The estimated variance for all four communities combined is equal to the sum of the variances for each community.

An exception to this straightforward estimation method occurred when no response was received in Aklavik for the months of July, September and October, 2000. Since hunting is very seasonal, the assumption was made that, for each of these months, the activities and harvests of Aklavik hunters was best represented by the responses of the hunters in the other three communities. This led to the following estimation procedure for each of the missing months:

- The total harvests and variances were calculated for each of the three responding communities;
- To provide total harvests for all four communities combined, the sum of the total harvests of the three responding communities were “weighted up” to account for the missing response from Aklavik hunters

$$\hat{Y}_{mR} = \frac{N_{mAK} + N_{mFM} + N_{mIN} + N_{mTS}}{N_{mFM} + N_{mIN} + N_{mTS}} (\hat{Y}_{mFM} + \hat{Y}_{mIN} + \hat{Y}_{mTS})$$

where

AK is the community of Aklavik

FM is the community of Fort McPherson

IN is the community of Inuvik

TS is the community of Tsiigehtchic

R is the region (all four communities combined);

- The variances were similarly adjusted using the square of the weighting factor; and
- Once the total harvests for all four communities combined were calculated, the sum of the total harvests of the three responding communities were subtracted, to produce “imputed values” for each species for Aklavik

$$\hat{Y}_{mAK} = \hat{Y}_{mR} - (\hat{Y}_{mFM} + \hat{Y}_{mIN} + \hat{Y}_{mTS})$$



“Fishing in the mountain” GRRB

8.0 ANALYSIS

These values were not presented in the tables, but were incorporated into the total harvest tables that include these missing months.

Annual total harvests for any species (or group of species) may be slightly different from the totals of the monthly harvests in that year. These slight differences were caused by rounding the monthly total harvests.

Harvests of some species may have been limited during the data collection phase of the study, or were likely under-reported. This may be taken into consideration when using total harvests for these species. Specifically:

- There was a voluntary moratorium on hunting grizzly bears in the GSA from 1992 to 1998. The voluntary moratorium was put in place in response to concerns from the RRCs, the GRRB and the Government of the Northwest Territories about the sustainability of the grizzly bear harvest. The moratorium was to be maintained until a grizzly bear management plan was developed for the GSA.
- Voluntary harvest guidelines were put in place for Rat River dolly varden (referred to as “char” on the GHS species list) in 1995 through the Rat River Char Fishing Plan. The guidelines remained in place throughout the data collection phase of the study. The guidelines recommended annual harvests of 1,700 dolly varden from 1996 to 1998, and 2,000 dolly varden from 1999 to 2004. The annual harvest guidelines applied to the entire stock, and not just to the harvest that occurs in the GSA. A harvest monitoring program for Rat River dolly varden was conducted under the direction of the fishing plan.
- Harvests of caribou may have been reported to the study as woodland, Blue nose or Porcupine caribou. The range of woodland caribou herds in the region overlap with the ranges of barren-ground herds such as Cape Bathurst, Bluenose West, Bluenose East, and Porcupine caribou herds. It is uncertain if all hunters did or could distinguish woodland caribou from barren-ground caribou of the Cape Bathurst, Bluenose West or Bluenose East herds, or Grant’s caribou from the Porcupine herd, or if they were aware that they should have made this distinction when they reported harvest data.
- Some hunters may have been concerned about the legal implications of reporting tundra swan harvests because of historical restrictions on hunting swans. These concerns still existed despite changes in the Migratory Birds Convention Act (1994), the existence of the GCLCA and the confidentiality requirement of the study.



*“Gwich’in Harvest Study interview”
GRRB*

8.4 Recall Period

Recall period is the number of months between a harvest and the month in which the data were reported to the study, and is expressed as the percentage of total harvest

8.0 ANALYSIS

records. These data were reported by community and for the GSA by survey wave, and as totals for each study year and for all study years combined. The number of months ranged from one to six, as all interviews involved at least one month of recall and were not attempted or used when the recall period exceeded six months. Recall period for any given survey wave, or totals for a study year or for all study years combined, may not total 100% because of rounding.

8.5 Number of Hunters Harvesting Each Species

The number of hunters who reported harvesting a species (or group of species) of wildlife was reported for the GSA by survey wave, and as totals for each study year and for all study years combined. Hunters were only counted once for a given study year, or for all study years combined, when these totals were calculated. These data were not reported by community as this may have breached the confidentiality agreement in some cases.



"Making dry fish" GRRB

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"Mountain view" GRRB

APPENDIX A – GWICH'IN HARVEST STUDY INTERVIEWER TRAINING GUIDE



"Winter tent" GRRB

BACKGROUND INFORMATION

Background to the Gwich'in Harvest Study

- Study required by the Gwich'in Comprehensive Land Claim Agreement.
- Being done for 2 reasons: (1) Gwich'in Minimum Needs Level; (2) Provide data for wildlife management.
- Interview Gwich'in participants, and others, who hunt, fish or trap.
- Interviews done in Aklavik, Fort McPherson, Inuvik and Tsiigehtchic.
- Runs for 5 years, from September 1995 – August 2000.
- Done by GRRB, with input from RRCs.

List of People to Contact

- Each interviewer has a list of people to contact.
- Interviewer is responsible for adding/removing names from the list.
- Get signature of person in space after name to show interview was done.
- To remove name, indicate in survey form that person should be removed.
- To add a name, write name on bottom of list and give the person a code that is not already used.
- Do not show the list to other people.

Survey Form

- Form has 3 sections: (1) Information about what the person did; (2) Data about animals the person harvested; (3) Comments.
- Comments section is a good place to write notes to the coordinator.
- Explain how to fill out the form.
- One form per month of data.

Maps

- Explain how to read the map codes.
- Explain how to use the map binder.
- Explain how and when to use the smaller laminated maps.

Administration

- Payment amount.
- Payment schedule.
- Tax forms.
- Direct deposit of cheques
- Mailing in data.
- Contest.
- How to call the coordinator.
- How can the coordinator reach you?

APPENDIX A – GWICH'IN HARVEST STUDY INTERVIEWER TRAINING GUIDE

Administration (continued)

- Photocopying survey forms.
- How to get more maps.

GHS TRAINING GUIDE: EXAMPLES (FORT MCPHERSON)

Example 1:

Person: F067

Date of Interview: November 11, 1996

Month Collecting Information For: October

Information:

4 Porcupine caribou (2 adult females, 2 adult males) killed at Rock River (MK40).

3 swans killed at Niendo Lake (NK28).

14 loche caught at Niendo Lake (NK28).

Notes: Make sure the age class and sex data are recorded for the caribou harvest.

Example 2:

Person: F023

Date of Interview: May 3, 1996

Month Collecting Information For: April

Information:

4 Porcupine caribou (2 adult males, 2 juvenile males) killed near Rock River (MK41).

Notes: Make sure the adult and juvenile caribou harvests are written on separate lines.



"Netting fish at Rat River" Nathan Miller (GRRB)

APPENDIX A – GWICH'IN HARVEST STUDY INTERVIEWER TRAINING GUIDE

Example 3:

Person: F005

Date of Interview: March 3, 1996

Month Collecting Information For: January, February

Information:

January:

1 moose (adult male) killed near the mouth of Satah River (NK03). He says there was a lot of moose sign around this area this year.

February:

6 mink trapped. 4 trapped near Three Cabin Creek (NK02) and 2 trapped at Shiltee Rock (NK06).

Notes: Make sure the data for January and February written on separate forms. The mink harvests for February have to be written on separate lines because they were trapped at different locations. Make sure the comments about moose sign are written in the comments section.

Example 4:

Person: F054

Date of Interview: November 10, 1996

Month Collecting Information For: October

Information:

4 Porcupine caribou (4 male adults) killed near Rock River (MK40). The hunter went with 4 other people for this hunt.

Notes: Make sure the interviewer asks if the person shot all 4 of the caribou (to avoid multiple counting).



"Jane Charlie Sr hanging fish to dry" GRRB

APPENDIX A – GWICH'IN HARVEST STUDY INTERVIEWER TRAINING GUIDE

Example 5:

Person: F011

Date of Interview: December 15, 1996

Month Collecting Information For: November
Information:

4 Porcupine caribou (1 adult male, 1 adult female, 1 juvenile female, 1 juvenile unknown sex) killed near the NT/YK border (MK43).

Notes: Make sure the data about the adults, juvenile and calf are written on separate lines of the survey form. If it is too confusing the interviewer can just write the data in the comments section

Example 6:

Person: F018

Date of Interview: December 15, 1996

Month Collecting Information For: November
Information:

You could not find this person around town this month. You tried to find them 5 or 6 times but were not successful.

Notes: Make sure the interviewer circles "could not contact". This person's name will stay on the list.

Example 7:

Person: F050

Date of Interview: December 15, 1996

Month Collecting Information For: November
Information:

This person gets angry, says they think the study is a big waste of time and closes the door.

Notes: Make sure the interviewer circles "remove: does not want to participate". Make sure the interviewer knows that it is important to give the coordinator the reason why the person was removed. This person's name will be taken off of the list.



"Sunset" GRRB

APPENDIX A – GWICH'IN HARVEST STUDY INTERVIEWER TRAINING GUIDE

Example 8:

Person: F047

Date of Interview: December 15, 1996

Month Collecting Information For: November

Information:

You can't find this person around town for three months, and you hear that they have gone to live in Edmonton.

Notes: Make sure the interviewer circles "moved". Make sure the interviewer knows that it is important to give the coordinator the reason why the person was removed. This person's name will be taken off the list.

Example 9:

Person: F017

Date of Interview: December 21, 1996

Month Collecting Information For: October, November

Information:

You meet a friend on the street who hunts caribou, and they are not on the interview list. They moved back to town in October. They shot one bull moose in October at the mouth of Caribou River (NJ37), and did not hunt, fish or trap in November.

Notes: The interviewer should add this person's name to the list, and should try to collect harvest data from the time the person moved to the community. Make sure the interviewer knows that it is important to explain to the hunter why the study is being done. This person's name will be added to the list.

Example 10:

Person: F021

Date of Interview: February 21, 1996

Month Collecting Information For: January

Information:

This person is on your list but never goes out hunting, fishing or trapping because they are too old.

Notes: Make sure the interviewer circles "remove: does not hunt". Make sure the interviewer knows that it is important to give the coordinator the reason why the person was removed. This person's name will be taken off of the list.



"Les Snowshoe and Ben Mitchell hunting caribou" GRRB

APPENDIX A – GWICH'IN HARVEST STUDY INTERVIEWER TRAINING GUIDE

Example 11:

Person: F030

Date of Interview: December 21, 1996

Month Collecting Information For: November

Information:

This person says they went out hunting caribou but they did not kill any.

Notes: Make sure the interviewer circles “hunted but did not get anything”.

Example 12:

Person: F099

Date of Interview: December 21, 1996

Month Collecting Information For: November

Information:

This person says they went out hunting last month. They shot one caribou, but they got caught in a huge blizzard and had to turn around before they found the caribou. They went back for the caribou later, but could not find it.

Notes: Make sure the interviewer does not record this harvest, as the person could not retrieve the animal.

Example 13:

Person: F014

Date of Interview: May 1, 1996

Month Collecting Information For: April

Information:

This person's cousin gave them an entire caribou last month.

Notes: Make sure the interviewer does not record this information, as the person being interviewed did not harvest the caribou themselves.



“Fish harvest” GRRB

APPENDIX B – SPECIES LIST FOR THE GWICH'IN HARVEST STUDY

Common name used by the study (listed by category)	Multiple species reported under common name	Scientific name	Gwich'in name - Gwichya Gwich'in dialect (where known to be different from Tetl'it Gwich'in dialect)	Other common names used by hunters in the GSA
FISH				
Char		Salvelinus malma	Dhik'ii	Redfish, silver, trout
Chum Salmon		Oncorynchus keta	Shii	Dog salmon
Coney		Stenodus leucichthys	Shryuh	
Crookedback fish		Coregonus clupeaformis	Dalts'in	Lake whitefish, lake
Grayling		Thymallus arcticus	Sriijaa	Bluefish
Herring	Arctic cisco Least cisco	Coregonus autumnalis Coregonus sardinella	Treeluk	
Jackfish		Esox lucius	Eltin	
Lake Trout		Salvelinus namaycush	Vit	Northern pike
Loche		Lota lota	Chehtluk	Trout
Sucker		Catostomus commersoni		
Walleye		Stizostedion vitreum		
Whitefish fish		Coregonus nasus	Łuk zheii	Broad whitefish, egg
Fish sp.	All fish			
WATERFOWL				
Black Duck	White-winged scoter Surf scoter	Melanitta fusca Melanitta perspicillata	Njaa (Black duck), Deetree'aa (Surf scoter)	
Blue-winged Teal		Anas discors		
Brant		Branta bernicla		
Canada Goose		Branta canadensis	Kheh	
Canvasback		Aythya valisineria	T'aavii gwidits'an	
Goldeneye		Bucephala clangula	Ezhin	
Greater White-fronted		Anser albifrons	Deech'yuh	Yellow Legs

APPENDIX B – SPECIES LIST FOR THE GWICH’IN HARVEST STUDY

Common name used by the study (listed by category)	Multiple species reported under common name	Scientific name	Gwich’in name – Tetl’it Gwich’in dialect	Gwich’in name - Gwichya Gwich’in dialect (where known to be different from Tetl’it Gwich’in dialect)	Other common names used by hunters in the GSA
Goose					
Green-winged Teal		Anas crecca	Daazraii gahkhaa		
Long-tailed Duck		Clangula hyemalis	A’aanlak		
Mallard		Anas platyrhynchos	Dats’an vichit’ik gwiitl’oo, Neet’aii		
Pintail		Anas acuta	Naak’oh jidigaii		
Ring-necked Duck		Anas collaris			
Scaup	Lesser scaup Greater scaup	Aythya affinis Aythya marila	Nitsihdin		Bluebill
Shoveller		Anas clypeata	Dehdrik		
Snow Goose		Chen caerulescens	Gugeh		Wavy
Tundra Swan		Cygnus columbianus	Daazraii		
Wigeon		Anas americana			
Duck sp.	All ducks				
Goose sp.	All geese				
BIG GAME					
Black Bear		Ursus americanus	Shoh		Red bear
Bluenose Caribou		Rangifer tarandus groenlandicus	Vadzaih		
Dall’s Sheep		Ovis dalli	Divii		
Grizzly Bear		Ursus arctos	Shih		
Moose		Alces alces	Dinjik		
Muskox		Ovibos moschatus			
Porcupine Caribou		Rangifer tarandus granti	Vadzaih		
Woodland Caribou		Rangifer tarandus caribou	Vadzaih		
FURBEARERS					
Beaver		Castor canadensis	Tsee’		
Ermine		Mustela erminea	Dhivii		Weasel
Lynx		Lynx lynx	Niinjii		
Marten		Martes americana	Tsuk		

APPENDIX B – SPECIES LIST FOR THE GWICH'IN HARVEST STUDY

Common name used by the study (listed by category)	Multiple species reported under common name	Scientific name	Gwich'in name – Tetl'it Gwich'in dialect	Gwich'in name - Gwichya known to be different from Tetl'it Gwich'in dialect)	Other common names used by hunters in the GSA
Mink		Mustela vison	Chihthee		
Muskrat		Ondatra zibethicus	Dzan		Rat
Otter		Lutra canadensis	Tryuh		
Red Fox		Vulpes vulpes	Neegoo tsoo (Red fox), Ninilzraii, Neegoo neerulrye (Cross fox), Neegoo zraii (Silver fox)	Neegadh tsoo (Red fox)	Cross fox, silver fox
White Fox		Alopex lagopus	Neegoo digaii, Ech'ah vii		Arctic fox, blue fox
Wolf		Canis lupus	Zhoh		
Wolverine		Gulo gulo	Nehtryuh		
SMALL GAME					
Ground Squirrel		Spermophilus parryii	Tthaa		
Grouse	Ruffed grouse Sharp-tailed grouse Spruce grouse	Bonasa umbellus Tympanuchus phasianellus Dendragapus canadensis	Daih (Spruce grouse)		Spruce hen, spruce chicken
Porcupine		Erethizon dorsatum	Ts'it		
Ptarmigan	Willow ptarmigan Rock ptarmigan	Lagopus lagopus Lagopus mutus	Daagoo (Willow ptarmigan), Daak'yaa (Rock ptarmigan)		
Snowshoe Hare		Lepus americanus	Geh		Rabbit
MARINE MAMMALS					
Beluga Whale		Delphinapterus leucas			White whale
Ringed Seal		Phoca hispida			

APPENDIX C – FUNDING FOR THE GWICH’IN HARVEST STUDY

Funding for the Gwich’in Harvest Study was provided to the Gwich’in Renewable Resource Board (GRRB) by Canada from 1995 to 2003. The first seven years of funding are outlined in the Implementation Plan for the Gwich’in Comprehensive Land Claim Agreement (Department of Indian and Northern Affairs Canada 1992)(Table 1).

Additional funding for the study was provided by Canada from 2002 to 2003. Funding for the remaining year of the study was provided by the GRRB.

Table 1. Funding for the Gwich’in Harvest Study outlined in the Implementation Plan for the Gwich’in Comprehensive Land Claim Agreement (Department of Indian and Northern Affairs Canada 1992).

Year	Amount (CAD \$)
1995	77,256
1996	160,004
1997	164,804
1998	169,748
1999	174,841
2000	165,085
2001	61,860

DATA TABLES

Aklavik-Year 1 Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 1
Hunter list	62	63	62	60	61	62	62	62	62	64	64	65	77 ¹
Hunters interviewed	59	59	58	58	61	62	62	60	61	63	62	63	75 ¹
Harvested	17	16	18	16	4	5	3	11	1	7	2	2	41 ¹
Did not want to particiapte	0	0	0	0	0	0	0	0	0	0	0	0	0 ¹
Response rate	95%	94%	94%	97%	100%	100%	100%	97%	98%	98%	97%	97%	97% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.
² Mean monthly response rate.

Aklavik-Year 1 Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME
Big Game	Black Bear													0	0.0
	Bluenose Caribou						20		10					30	3.6
	Dall's Sheep		1											1	0.5
	Grizzly Bear													0	0.0
	Moose	1												1	0.5
	Porcupine Caribou	41	20	97	26	3	10	5	36		3	7		249	16.8
	Woodland Caribou													0	0.0
Fish	Char	788	331											1119	234.8
	Chum Salmon													0	0.0
	Coney		133	1399	57									1590	595.8
	Crookedback		107	951										1058	385.4
	Grayling													0	0.0
	Herring			5772										5772	1963.4
	Jackfish	105		29										134	47.5
	Lake Trout													0	0.0
	Loche			228	173									400	85.0
	Sucker													0	0.0
	Walleye													0	0.0
	Whitefish	63	214	1897	436								206	2816	581.4
	Fish sp.													0	0.0
Fur Bearer	Beaver													0	0.0
	Ermine													0	0.0
	Lynx													0	0.0
	Marten					32	32	34						98	0.0
	Mink				8	10								18	2.1
	Muskrat									20	102	31		153	27.6
	Otter				2									2	0.7
	Red Fox				2	6	5	5						18	0.7
	White Fox													0	0.0
	Wolf					5	3	3	1					12	0.4
	Wolverine					7								7	0.0
Marine Mammal	Beluga Whale												1	1	0.4
Small Game	Ground Squirrel													0	0.0
	Grouse													0	0.0
	Porcupine													0	0.0
	Ptarmigan													0	0.0
	Snowshoe Hare		80	80	95				3					259	62.8
	Waterfowl		14											14	5.4
Waterfowl	Black Duck		14											14	5.4
	Blue-winged Teal													0	0.0
	Canada Goose		1											1	0.5
	Canvasback													0	0.0
	Goldeneye													0	0.0
	Greater White-fronted Goose	4	1								20			26	5.3
	Green-winged Teal													0	0.0
	Long-tailed Duck													0	0.0
	Mallard	20	23											43	8.2
	Pintail													0	0.0
	Ring-necked Duck													0	0.0
	Scaup													0	0.0
	Shoveller													0	0.0
	Snow Goose										10			10	2.5
	Tundra Swan										1			1	0.2
	Wigeon		3											3	1.6
	Duck sp.										61			61	7.5
	Goose sp.										27			27	4.9

Aklavik-Year 1 Recall Period

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 1
Months of recall	1	94%	75%	94%	94%	75%	60%	33%	91%	0%	100%	100%	100%	86%
	2	0%	6%	6%	0%	0%	20%	33%	9%	100%	0%	0%	0%	6%
	3	0%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%
	4	6%	0%	0%	6%	0%	0%	33%	0%	0%	0%	0%	0%	3%
	5	0%	0%	0%	0%	0%	20%	0%	0%	0%	0%	0%	0%	1%
	6	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%	1%

Aklavik-Year 2 Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 2
Hunter list	65	66	68	68	69	69	69	68	66	66	66	65	73 ¹
Hunters interviewed	63	60	67	67	68	67	67	67	63	64	65	64	72 ¹
Harvested	5	2	11	8	9	2	0	3	1	5	3	1	22 ¹
Did not want to particiapte	0	0	0	0	0	0	0	0	0	0	0	0	0 ¹
Response rate	97%	91%	99%	99%	99%	97%	97%	99%	95%	97%	98%	98%	97% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.
² Mean monthly response rate.

Aklavik-Year 2 Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME
Big Game	Black Bear													0	0.0
	Bluenose Caribou													0	0.0
	Dall's Sheep													0	0.0
	Grizzly Bear													0	0.0
	Moose			1					1					2	0.3
	Porcupine Caribou	8	1	39	25	37			5	6				121	7.5
	Woodland Caribou													0	0.0
Fish	Char	655	2											657	213.0
	Chum Salmon													0	0.0
	Coney		220	142									11	373	132.6
	Crookedback		66	223										289	62.2
	Grayling													0	0.0
	Herring			5075										5075	1206.2
	Jackfish			20										20	4.8
	Lake Trout													0	0.0
	Loche			41										41	6.8
	Sucker													0	0.0
	Walleye													0	0.0
	Whitefish		319	731	30								40	1120	192.1
	Fish sp.													0	0.0
Fur Bearer	Beaver										4	2		6	1.2
	Ermine													0	0.0
	Lynx					2	3							5	0.8
	Marten													0	0.0
	Mink				4	5								9	1.2
	Muskrat								51		215	10		275	46.9
	Red Fox					7	8							15	3.0
	White Fox					1								1	0.2
	Wolf													0	0.0
	Wolverine													0	0.0
Marine Mammal	Beluga Whale													0	0.0
Small Game	Ground Squirrel													0	0.0
	Grouse													0	0.0
	Porcupine			6										6	1.4
	Ptarmigan													0	0.0
	Snowshoe Hare			58	97	25								181	25.3
Waterfowl	Black Duck													0	0.0
	Blue-winged Teal													0	0.0
	Canada Goose													0	0.0
	Canvasback													0	0.0
	Goldeneye													0	0.0
	Greater White-fronted Goose													0	0.0
	Green-winged Teal													0	0.0
	Long-tailed Duck													0	0.0
	Mallard	15										61		76	15.2
	Pintail													0	0.0
	Ring-necked Duck													0	0.0
	Scaup													0	0.0
	Shoveller													0	0.0
	Snow Goose													0	0.0
	Tundra Swan													0	0.0
	Wigeon													0	0.0
	Duck sp.										62	2		64	13.2
	Goose sp.	20									1	32		53	10.3

Aklavik-Year 2 Recall Period

[illegible]

Aklavik-Year 3 Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 3
Hunter list	65	65	65	63	63	62	58	58	58	58	58	58	68 ¹
Hunters interviewed	63	60	61	62	63	62	57	58	58	58	57	56	68 ¹
Harvested	8	3	13	4	4	9	17	4	3	15	4	5	35 ¹
Did not want to particiapte	0	0	0	0	0	0	0	0	0	0	0	0	0 ¹
Response rate	97%	92%	94%	98%	100%	100%	98%	100%	100%	100%	98%	97%	98% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.
² Mean monthly response rate.

Aklavik-Year 3 Total Harvest

Aklavik-Year 3 Total Harvest		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME				
Big Game	Black Bear														0	0.0			
	Bluenose Caribou	8													8	0.0			
	Dall's Sheep														0	0.0			
	Grizzly Bear														0	0.0			
	Moose	1				1	2							4	0.4				
	Porcupine Caribou	18	7	47	8	2	39	77	3					200	10.9				
	Woodland Caribou														0	0.0			
Fish	Char	863													863	278.4			
	Chum Salmon														0	0.0			
	Coney	271													20	155	446	114.9	
	Crookedback														0	0.0			
	Grayling														0	0.0			
	Herring	2131													2131	1036.2			
	Jackfish														0	0.0			
	Lake Trout														0	0.0			
	Loche	17													342	359	166.6		
	Sucker														0	0.0			
	Walleye														0	0.0			
	Whitefish	557		298											10	209	1346	2421	403.2
	Fish sp.														0	0.0			
	Fur Bearer	Beaver	1													6	7	1.2	
		Ermine														0	0.0		
Lynx															0	0.0			
Marten		27													27	29	110	7.1	
Mink		4													9	13	1.0		
Muskrat		58													260	303	348	969	89.6
Red Fox		1													4	5	0.3		
White Fox															0	0.0			
Wolf		1													1	0.0			
Wolverine															0	0.0			
Marine Mammal		Beluga Whale														0	0.0		
		Ringed Seal	2													2	0.8		
Small Game	Ground Squirrel														0	0.0			
	Grouse														0	0.0			
	Porcupine														0	0.0			
	Ptarmigan														0	0.0			
	Snowshoe Hare	22													11	5	4	42	5.7
Waterfowl	Black Duck														0	0.0			
	Blue-winged Teal														0	0.0			
	Canada Goose	78													78	0.0			
	Canvasback														0	0.0			
	Goldeneye														0	0.0			
	Greater White-fronted Goose	10													10	0.0			
	Green-winged Teal														0	0.0			
	Long-tailed Duck														0	0.0			
	Mallard	30													58	88	0.0		
	Pintail														0	0.0			
	Ring-necked Duck														0	0.0			
	Scaup														0	0.0			
	Shoveller														0	0.0			
	Snow Goose														0	0.0			
	Tundra Swan														0	0.0			
	Wigeon	5													5	0.0			
	Duck sp.														0	0.0			
	Goose sp.	6													6	2.1			

Aklavik-Year 3 Recall Period

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 3
Months of recall	1	100%	33%	92%	100%	75%	89%	94%	50%	33%	87%	100%	40%	83%
	2	0%	67%	8%	0%	0%	0%	0%	25%	67%	13%	0%	40%	11%
	3	0%	0%	0%	0%	0%	0%	0%	25%	0%	0%	0%	20%	2%
	4	0%	0%	0%	0%	0%	0%	6%	0%	0%	0%	0%	0%	1%
	5	0%	0%	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	1%
	6	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%	1%

Aklavik-Year 4 Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 4
Hunter list	56	57	57	57	57	58	58	57	59	59	59	59	60 ¹
Hunters interviewed	55	54	55	54	52	55	56	53	57	56	54	56	60 ¹
Harvested	11	8	11	4	3	5	4	2	6	8	4	7	27 ¹
Did not want to particiapte	0	1	1	1	1	1	1	1	1	1	1	1	1 ¹
Response rate	98%	95%	96%	95%	91%	95%	97%	93%	97%	95%	92%	95%	95% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.

² Mean monthly response rate.

Aklavik-Year 4 Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME
Big Game	Black Bear													0	0.0
	Bluenose Caribou				6		14							20	5.2
	Dall's Sheep													0	0.0
	Grizzly Bear									1				1	0.4
	Moose				2		2	1						5	1.0
	Porcupine Caribou	24	18	16						12		4		75	8.8
	Woodland Caribou					5								5	3.2
Fish	Char	1273											211	1483	251.6
	Chum Salmon													0	0.0
	Coney	102	369	311							21		295	1098	175.5
	Crookedback												32	32	14.0
	Grayling													0	0.0
	Herring		528	3627										4155	1177.9
	Jackfish		211	104	2									317	83.8
	Lake Trout													0	0.0
	Loche			10										10	3.8
	Sucker													0	0.0
	Walleye													0	0.0
	Whitefish	1018	876	1347							53	328	832	4454	470.4
	Fish sp.													0	0.0
Fur Bearer	Beaver													0	0.0
	Ermine													0	0.0
	Lynx					15	11	10						36	10.4
	Marten					1	2	1						4	1.2
	Mink					2	5							7	2.7
	Muskrat									420	700			1120	213.9
	Red Fox				1	5		2	1					10	3.4
	White Fox													0	0.0
	Wolf													0	0.0
	Wolverine					3		1						4	1.9
Marine Mammal	Beluga Whale													0	0.0
Small Game	Ground Squirrel													0	0.0
	Grouse													0	0.0
	Porcupine													0	0.0
	Ptarmigan													0	0.0
	Snowshoe Hare		16			11		2	22					50	14.7
Waterfowl	Black Duck											8		8	4.4
	Blue-winged Teal													0	0.0
	Canada Goose													0	0.0
	Canvasback													0	0.0
	Goldeneye													0	0.0
	Greater White-fronted Goose										74			74	32.6
	Green-winged Teal													0	0.0
	Long-tailed Duck													0	0.0
	Mallard	15									1	3		20	4.4
	Pintail										2			2	0.9
	Ring-necked Duck													0	0.0
	Scaup													0	0.0
	Shoveller													0	0.0
	Snow Goose										47			47	15.5
	Tundra Swan										5			5	1.7
	Wigeon										1	14		15	8.1
	Duck sp.										7			7	3.3
	Goose sp.									39				39	10.2

Aklavik-Year 4 Recall Period

[illegible]

Aklavik-Year 5 Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 5
Hunter list	57	56	56	56	56	56	56	56	55	55	55	55	58 ¹
Hunters interviewed	55	55	54	54	54	54	53	55	54	51	49	0	56 ¹
Harvested	13	9	11	3	3	2	0	1	0	6	4	0	19 ¹
Did not want to particiapte	1	1	1	1	1	1	1	1	1	1	1	1	1 ¹
Response rate	96%	98%	96%	96%	96%	96%	95%	98%	98%	93%	89%	0%	88% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.
² Mean monthly response rate.

Aklavik-Year 5 Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul ³	Total	± ME	CV
Big Game	Black Bear													0	0.4	**
	Bluenose Caribou				6	1	1							8	1.8	
	Dall's Sheep	1												1	0.4	
	Grizzly Bear													0	0.0	
	Moose					1			1					2	0.7	
	Porcupine Caribou	15	10	7										32	4.5	
	Woodland Caribou													0	0.0	
Fish	Char	268	127											396	95.7	
	Chum Salmon													0	0.0	
	Coney	31		721			31							1055	197.2	
	Crookedback	52	178	633	83							67		1035	158.1	
	Grayling													0	0.0	
	Herring			1483										1536	541.4	
	Jackfish			163										214	54.8	
	Lake Trout													5	3.9	**
	Loche			83										86	22.5	
	Sucker													0	0.0	
	Walleye													1	0.5	**
	Whitefish	601	636	2668	104							191		4593	543.2	
	Fish sp.													2	2.0	**
Fur Bearer	Beaver													1	1.0	**
	Ermine													0	0.0	
	Lynx					2								2	0.8	
	Marten													0	0.0	
	Mink					36								36	9.5	
	Muskrat													0	0.0	
	Red Fox													1	0.4	
	White Fox					1								0	0.0	
	Wolf													0	0.0	
	Wolverine													0	0.0	
Marine Mammal	Beluga Whale													0	0.0	
Small Game	Ground Squirrel													0	0.0	
	Grouse													0	0.0	
	Porcupine													0	0.0	
	Ptarmigan													0	0.0	
	Snowshoe Hare	8												8	3.0	
Waterfowl	Black Duck													11	22.4	**
	Blue-winged Teal													0	0.0	
	Canada Goose										108			108	25.4	
	Canvasback													0	0.0	
	Goldeneye													0	0.0	
	Greater White-fronted Goose													0	0.0	
	Green-winged Teal													0	0.0	
	Long-tailed Duck													0	0.0	
	Mallard	21												21	7.6	
	Pintail													0	0.0	
	Ring-necked Duck													0	0.0	
	Scaup													0	0.0	
	Shoveller													0	0.0	
	Snow Goose										119			119	27.4	
	Tundra Swan										12			12	6.3	
	Wigeon										2			2	1.1	
	Duck sp.													0	0.0	
	Goose sp.													0	0.0	

** Indicates coefficient of variation is greater than 33.3%.

³ No response obtained for Aklavik for this month. Values imputed by subtracting estimates for the three responding communities from the estimated total for the Gwich'in Settlement Area. These values have been included in the yearly total.

Aklavik-Year 5 Recall Period

[illegible]

Aklavik-Year 6 Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 6
Hunter list	55	54	54	51	51	50	50	50	46	46	46	46	56 ¹
Hunters interviewed	47	0	0	48	48	47	49	48	44	44	45	42	52 ¹
Harvested	8	0	0	5	1	1	1	2	1	3	4	1	14 ¹
Did not want to particiapte	1	1	1	1	1	1	1	1	1	1	1	1	1 ¹
Response rate	85%	0%	0%	94%	94%	94%	98%	96%	96%	96%	98%	91%	79% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.
² Mean monthly response rate.

Aklavik-Year 6 Total Harvest

		Aug	Sep ³	Oct ³	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear													0	0.0	
	Bluenose Caribou													2	5.3	**
	Dall's Sheep													0	0.0	
	Grizzly Bear													0	0.0	
	Moose							1	3					6	1.9	
	Porcupine Caribou	6					6	6		5				206	62.8	
	Woodland Caribou													0	0.0	
Fish	Char													177	227.6	**
	Chum Salmon													1	1.2	**
	Coney	41		53									33	538	525.7	**
	Crookedback	240		106								72		789	310.2	
	Grayling													0	0.0	
	Herring													13	30.0	**
	Jackfish													70	43.9	
	Lake Trout													27	59.2	**
	Loche				404									497	137.5	
	Sucker													0	0.0	
	Walleye													0	0.0	
	Whitefish	304		186	24							204	110	4192	1572.2	
	Fish sp.													0	0.0	
Fur Bearer	Beaver										1			1	0.4	
	Ermine													0	0.0	
	Lynx							1						1	0.3	
	Marten													0	0.0	
	Mink													0	0.0	
	Muskrat													0	0.0	
	Red Fox				5									5	2.5	
	White Fox													0	0.0	
	Wolf													0	0.0	
	Wolverine													0	0.0	
	Beluga Whale													0	0.0	
Small Game	Ground Squirrel													0	0.0	
	Grouse													0	0.0	
	Porcupine													0	0.0	
	Ptarmigan													3	3.6	**
	Snowshoe Hare													31	23.0	**
Waterfowl	Black Duck													18	30.2	**
	Blue-winged Teal													0	0.0	
	Brant													0	0.0	
	Canada Goose													1	1.2	**
	Canvasback													0	0.0	
	Goldeneye													0	0.0	
	Greater White-fronted Goose										26			26	8.8	
	Green-winged Teal													0	0.0	
	Long-tailed Duck													0	0.0	
	Mallard													1	3.0	**
	Pintail													0	0.0	
	Ring-necked Duck													0	0.0	
	Scaup													0	0.0	
	Shoveller													0	0.0	
	Snow Goose										27			43	34.9	**
	Tundra Swan													0	0.6	**
	Wigeon													5	11.8	**
	Duck sp.													0	0.0	
	Goose sp.													0	0.0	

** Indicates coefficient of variation is greater than 33.3%.

³ No response obtained for Aklavik for this month. Values imputed by subtracting estimates for the three responding communities from the estimated total for the Gwich'in Settlement Area. These values have been included in the yearly total.

Aklavik-Year 6 Recall Period

[illegible]

Aklavik-Totals by Year Hunter Response	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	All Years
Hunter list	77	73	68	60	58	56	88 ⁵
Hunters interviewed	75	72	68	60	56	52	87 ⁵
Harvested	41	22	35	27	19	14	61 ⁵
Did not want to particiapte	0	0	0	1	1	1	1 ⁵
Response rate	97% ²	97% ²	98% ²	95% ²	88% ²	79% ²	92% ⁴

² Mean monthly response rate.

⁴ Mean annual response rate.

⁵ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the six year study period.

Aklavik-Total Harvest by Year		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Mean
Big Game	Black Bear							0
	Bluenose Caribou	30		8	20	8	2	12
	Dall's Sheep	1				1		0
	Grizzly Bear				1			0
	Moose	1	2	4	5	2	6	3
	Porcupine Caribou	249	121	200	75	32	206	147
	Woodland Caribou				5			1
Fish	Char	1119	657	863	1483	396	177	783
	Chum Salmon						1	0
	Coney	1590	373	446	1098	1055	538	850
	Crookedback	1058	289		32	1035	789	534
	Grayling							0
	Herring	5772	5075	2131	4155	1536	13	3114
	Jackfish	134	20		317	214	70	126
	Lake Trout					5	27	5
	Loche	400	41	359	10	86	497	232
	Sucker							0
	Walleye					1		0
	Whitefish	2816	1120	2421	4454	4593	4192	3266
	Fish sp.					2		0
Fur Bearer	Beaver		6	7		1	1	3
	Ermine							0
	Lynx		5		36	2	1	7
	Marten	98		110	4			35
	Mink	18	9	13	7	36		14
	Muskrat	153	275	969	1120			420
	Otter	2						0
	Red Fox	18	15	5	10	1	5	9
	White Fox		1					0
	Wolf	12		1				2
	Wolverine	7			4			2
Marine Mammal	Beluga Whale	1						0
	Ringed Seal			2				0
Small Game	Ground Squirrel							0
	Grouse							0
	Porcupine		6					1
	Ptarmigan						3	0
	Snowshoe Hare	259	181	42	50	8	31	95
Waterfowl	Black Duck	14			8	11	18	8
	Blue-winged Teal							0
	Brant							0
	Canada Goose	1		78	0	108	1	31
	Canvasback							0
	Goldeneye							0
	Greater White-fronted Goose	26		10	74		26	23
	Green-winged Teal							0
	Long-tailed Duck							0
	Mallard	43	76	88	20	21	1	42
	Pintail				2			0
	Ring-necked Duck							0
	Scaup							0
	Shoveller							0
	Snow Goose	10			47	119	43	36
	Tundra Swan	1			5	12		3
	Wigeon	3		5	15	2	5	5
	Duck sp.	61	64		7			22
	Goose sp.	27	53	6	39			21

Aklavik- Recall Period by Year		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	All Years
Months of recall	1	86%	92%	83%	75%	65%	70%	80%
	2	6%	4%	11%	11%	29%	15%	11%
	3	3%	2%	2%	10%	6%	4%	4%
	4	3%	2%	1%	4%	0%	7%	3%
	5	1%	0%	1%	0%	0%	4%	1%
	6	1%	0%	1%	0%	0%	0%	1%

Fort McPherson-Year 1
Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 1
Hunter list	192	180	175	177	178	171	164	168	167	167	162	164	200 ¹
Hunters interviewed	181	170	160	150	151	146	144	147	150	156	150	153	196 ¹
Harvested	22	21	20	11	11	43	26	35	35	28	23	22	102 ¹
Did not want to particiapte	3	3	3	3	3	3	5	5	5	5	5	5	5 ¹
Response rate	94%	94%	91%	85%	85%	85%	88%	88%	90%	93%	93%	93%	90% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.
² Mean monthly response rate.

Fort McPherson-Year 1 Total Harvest		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME
Big Game	Black Bear										1		1	2	0.8
	Bluenose Caribou													0	0.0
	Dall's Sheep													0	0.0
	Grizzly Bear									1	1			2	0.9
	Moose	6	2	1		1	1	1		1			1	15	2.4
	Porcupine Caribou	43	84	78	54	84	329	150	291	214	17		11	1355	85.7
	Woodland Caribou													0	0.0
Fish	Char													0	0.0
	Chum Salmon													0	0.0
	Coney	92	85	68								178	483	906	128.9
	Crookedback												107	107	54.4
	Grayling													0	0.0
	Herring													0	0.0
	Jackfish											29	54	83	21.7
	Lake Trout													0	0.0
	Loche													0	0.0
	Sucker													0	0.0
	Walleye													0	0.0
	Whitefish	1634	3032	492	159							670	1704	7691	978.9
	Fish sp.													0	0.0
Fur Bearer	Beaver						1	1	1		63	37		103	17.7
	Ermine													0	0.0
	Lynx						9	1	9					20	8.4
	Marten			10	9	9	12	3	5					48	14.0
	Mink					1	27							28	17.7
	Muskrat								69	39	249	1		358	82.9
	Otter													0	0.0
	Red Fox			1	4		5	5	1					15	4.7
	White Fox													0	0.0
	Wolf													0	0.0
	Wolverine													0	0.0
Marine Mammal	Beluga Whale													0	0.0
Small Game	Ground Squirrel													0	0.0
	Grouse										3			3	1.6
	Porcupine													0	0.0
	Ptarmigan													0	0.0
	Snowshoe Hare		108		30		21	23			11			192	58.1
Waterfowl	Black Duck										64	90	13	167	31.1
	Blue-winged Teal													0	0.0
	Canada Goose													0	0.0
	Canvasback													0	0.0
	Goldeneye													0	0.0
	Greater White-fronted Goose													0	0.0
	Green-winged Teal													0	0.0
	Long-tailed Duck													0	0.0
	Mallard										16			16	6.0
	Pintail													0	0.0
	Ring-necked Duck													0	0.0
	Scaup													0	0.0
	Shoveller													0	0.0
	Snow Goose										3			3	1.2
	Tundra Swan										5	3		9	2.2
	Wigeon													0	0.0
	Duck sp.										70	116		185	37.3
	Goose sp.										161	40	11	211	56.7

Fort McPherson-Year 1
Recall Period

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 1
Months of recall	1	68%	57%	90%	73%	73%	88%	50%	51%	40%	46%	9%	59%	58%
	2	0%	19%	10%	0%	9%	2%	4%	9%	46%	0%	52%	23%	15%
	3	9%	24%	0%	9%	0%	2%	23%	37%	0%	32%	17%	18%	15%
	4	23%	0%	0%	0%	0%	5%	23%	0%	9%	11%	17%	0%	8%
	5	0%	0%	0%	0%	18%	2%	0%	0%	0%	7%	4%	0%	2%
	6	0%	0%	0%	18%	0%	0%	0%	3%	6%	4%	0%	0%	2%

Fort McPherson-Year 2
Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 2
Hunter list	164	163	162	157	155	150	153	151	151	148	151	146	175 ¹
Hunters interviewed	152	152	140	133	123	139	137	138	141	141	143	140	168 ¹
Harvested	29	51	23	9	16	19	31	33	28	31	27	27	108 ¹
Did not want to particiapte	5	5	5	5	4	4	4	4	4	4	5	5	6 ¹
Response rate	93%	93%	86%	85%	79%	93%	90%	91%	93%	95%	95%	96%	91% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.

² Mean monthly response rate.

Fort McPherson-Year 2

Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear		1											1	0.5	
	Bluenose Caribou													0	0.0	
	Dall's Sheep													0	0.0	
	Grizzly Bear													0	0.0	
	Moose	1	2	2		1			1					8	2.3	
	Porcupine Caribou	43	167	42	25	83	120	230	205	153			2	1070	64.2	
	Woodland Caribou													0	0.0	
Fish	Char	572	247	139									104	1062	227.2	
	Chum Salmon													0	0.0	
	Coney	221	550		59							175	385	1390	167.5	
	Crookedback	54	188	35	59									335	90.1	
	Grayling													0	0.0	
	Herring													0	0.0	
	Jackfish	67	64	58							21	2		212	59.6	
	Lake Trout													0	0.0	
	Loche		13	486							21			520	235.9	
	Sucker													0	0.0	
	Walleye													0	0.0	
	Whitefish	1737	3035	3888	649						145	487	756	10697	1452.2	
	Fish sp.											565	1231	1796	238.7	
Fur Bearer	Beaver			1						7	41	19	3	72	7.4	
	Ermine													0	0.0	
	Lynx				11	11	3		5					31	12.3	
	Marten				61	32	72							165	53.8	
	Mink				5	8	4	1						18	5.9	
	Muskrat								247	462	1018	201		1928	230.3	
	Red Fox				8	3	1		1					13	5.2	
	White Fox				1									1	0.9	**
	Wolf						1		1	1				3	1.0	
	Wolverine													0	0.0	
Marine Mammal	Beluga Whale													0	0.0	
Small Game	Ground Squirrel													0	0.0	
	Grouse													0	0.0	
	Porcupine													0	0.0	
	Ptarmigan					6								6	4.5	**
	Snowshoe Hare			9		63								72	56.5	**
Waterfowl	Black Duck			16						39	311	103	26	495	46.9	
	Blue-winged Teal													0	0.0	
	Canada Goose	1	3								6			11	3.2	
	Canvasback										2			2	0.9	
	Goldeneye													0	0.0	
	Greater White-fronted Goose													0	0.0	
	Green-winged Teal													0	0.0	
	Long-tailed Duck													0	0.0	
	Mallard										31	11	10	52	9.5	
	Pintail													0	0.0	
	Ring-necked Duck													0	0.0	
	Scaup													0	0.0	
	Shoveller													0	0.0	
	Snow Goose		3											3	1.6	
	Tundra Swan										3	2		5	1.5	
	Wigeon													0	0.0	
	Duck sp.	38	21											59	15.3	
	Goose sp.	19	23								33	2		77	12.9	

** Indicates coefficient of variation is greater than 33.3%.

Fort McPherson-Year 2
Recall Period

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 2
Months of recall	1	41%	71%	65%	56%	56%	32%	52%	36%	0%	94%	74%	67%	55%
	2	34%	10%	9%	11%	31%	16%	3%	0%	86%	3%	11%	30%	19%
	3	3%	6%	22%	11%	6%	5%	0%	55%	11%	0%	11%	4%	11%
	4	3%	10%	4%	22%	0%	0%	35%	6%	0%	0%	4%	0%	7%
	5	7%	4%	0%	0%	0%	47%	10%	0%	4%	3%	0%	0%	6%
	6	10%	0%	0%	0%	6%	0%	0%	3%	0%	0%	0%	0%	2%

Fort McPherson-Year 3
Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 3
Hunter list	145	142	143	143	142	145	145	145	145	144	145	144	160 ¹
Hunters interviewed	138	131	126	129	125	129	127	128	129	126	127	125	154 ¹
Harvested	39	24	50	40	21	29	23	23	23	28	21	23	99 ¹
Did not want to particiapte	6	7	9	9	9	9	13	13	12	13	13	13	14 ¹
Response rate	95%	92%	88%	90%	88%	89%	88%	88%	89%	88%	88%	87%	89% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.
² Mean monthly response rate.

Fort McPherson-Year 3 Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear		1								3	1	1	7	1.9	
	Bluenose Caribou													0	0.0	
	Dall's Sheep													0	0.0	
	Grizzly Bear													0	0.0	
	Moose	1	3			6	6			2			2	20	4.1	
	Porcupine Caribou	87	15	298	133	108	357	406	153	60				1618	238.8	
	Woodland Caribou													0	0.0	
Fish	Char	389	33										173	594	159.5	
	Chum Salmon			2										2	1.5	**
	Coney	209	114	588							6	53	502	1471	242.8	
	Crookedback	63	54	113										231	65.7	
	Grayling												58	58	41.0	**
	Herring													0	0.0	
	Jackfish	5	27	43							1			77	24.0	
	Lake Trout													0	0.0	
	Loche	6	177	226	588	11	1				2			1011	255.7	
	Sucker													0	0.0	
	Walleye													0	0.0	
	Whitefish	1388	1014	3098	1120	114					169	1991	1434	10328	1480.5	
	Fish sp.	1318	2287	1146	917		27					206	403	6303	826.6	
Fur Bearer	Beaver	1								17	17	18		53	11.9	
	Ermine													0	0.0	
	Lynx				3	1	7	2	3					17	3.8	
	Marten				353	78	10	7						448	106.8	
	Mink				4	6	9	1						20	6.1	
	Muskrat								236	1997	1152	919		4304	676.5	
	Red Fox				9	7	17	3						36	9.4	
	White Fox													0	0.0	
	Wolf													0	0.0	
	Wolverine													0	0.0	
Marine Mammal	Beluga Whale													0	0.0	
	Ringed Seal													0	0.0	
Small Game	Ground Squirrel													0	0.0	
	Grouse		2						6					8	4.0	
	Porcupine												2	2	1.6	**
	Ptarmigan							3		7				10	5.0	
	Snowshoe Hare	21	38	16	279		2	18	23	17	5			419	142.9	
Waterfowl	Black Duck	23	27							11	243	217	15	537	108.7	
	Blue-winged Teal													0	0.0	
	Canada Goose										7			7	4.8	**
	Canvasback													0	0.0	
	Goldeneye													0	0.0	
	Greater White-fronted Goose													0	0.0	
	Green-winged Teal													0	0.0	
	Long-tailed Duck													0	0.0	
	Mallard										14			14	9.5	**
	Pintail													0	0.0	
	Ring-necked Duck													0	0.0	
	Scaup													0	0.0	
	Shoveller													0	0.0	
	Snow Goose													0	0.0	
	Tundra Swan										11			11	7.9	**
	Wigeon													0	0.0	
	Duck sp.	33										25		58	17.6	
	Goose sp.	12								13	19			44	13.5	

** Indicates coefficient of variation is greater than 33.3%.

Fort McPherson-Year 3
Recall Period

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 3
Months of recall	1	85%	50%	68%	83%	57%	90%	78%	78%	13%	71%	57%	65%	69%
	2	13%	29%	24%	8%	33%	7%	9%	9%	52%	11%	19%	4%	17%
	3	0%	8%	2%	10%	10%	0%	0%	4%	13%	7%	0%	30%	6%
	4	3%	8%	6%	0%	0%	0%	9%	9%	4%	0%	24%	0%	5%
	5	0%	4%	0%	0%	0%	0%	4%	0%	0%	11%	0%	0%	1%
	6	0%	0%	0%	0%	0%	3%	0%	0%	17%	0%	0%	0%	1%

Fort McPherson-Year 4
Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 4
Hunter list	145	146	148	146	147	146	146	147	149	149	149	150	158 ¹
Hunters interviewed	124	126	125	121	123	127	129	129	133	134	128	134	141 ¹
Harvested	23	25	48	31	11	16	8	15	33	28	15	12	96 ¹
Did not want to particiapte	14	14	14	15	15	15	15	15	15	15	15	14	15 ¹
Response rate	86%	86%	84%	83%	84%	87%	88%	88%	89%	90%	86%	89%	87% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.

² Mean monthly response rate.

Fort McPherson-Year 4

Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear	1												1	0.9	**
	Bluenose Caribou													0	0.0	
	Dall's Sheep		5											5	3.4	**
	Grizzly Bear													0	0.0	
	Moose	6	12				5		1	3				27	4.3	
	Porcupine Caribou	1	43	336	52	50	51	32	62	176	14			817	72.6	
	Woodland Caribou													0	0.0	
Fish	Char	1106	348											1454	601.6	
	Chum Salmon	7	20	11										37	13.0	
	Coney	210	171	453								412	498	1746	350.4	
	Crookedback			77								14	36	127	50.1	
	Grayling	12												12	8.7	**
	Herring													0	0.0	
	Jackfish	28	79	305								104	101	617	195.9	
	Lake Trout													0	0.0	
	Loche			706	442									1147	340.1	
	Sucker													0	0.0	
	Walleye		2											2	1.7	**
	Whitefish	1234	504	2046	1408						40	518	919	6669	1062.0	
	Fish sp.	58	174	450										682	290.3	
Fur Bearer	Beaver	1	2						9	3	16	24	1	57	12.2	
	Ermine				1									1	1.0	**
	Lynx				5	12	7	5						28	8.2	
	Marten				43	1	11	1						57	20.7	
	Mink				2	13	6							21	6.4	
	Muskrat								324	981	974	70		2349	420.5	
	Red Fox				4			1						5	1.8	
	White Fox													0	0.0	
	Wolf													0	0.0	
	Wolverine					1								1	0.9	**
Marine Mammal	Beluga Whale													0	0.0	
Small Game	Ground Squirrel													0	0.0	
	Grouse		23											23	16.8	**
	Porcupine	5									1			6	2.8	
	Ptarmigan				2									2	2.0	**
	Snowshoe Hare	15	16	152	82	12	34	34	174	101	29			650	117.6	
	Black Duck	47		14							183	63		307	60.5	
Waterfowl	Blue-winged Teal													0	0.0	
	Canada Goose										22			22	9.7	
	Canvasback													0	0.0	
	Goldeneye													0	0.0	
	Greater White-fronted Goose										22			22	13.8	
	Green-winged Teal													0	0.0	
	Long-tailed Duck			11										11	8.2	**
	Mallard		7								22	26		55	22.6	
	Pintail													0	0.0	
	Ring-necked Duck													0	0.0	
	Scaup													0	0.0	
	Shoveller													0	0.0	
	Snow Goose										17			17	10.4	
	Tundra Swan										39			39	21.0	
	Wigeon										11			11	6.9	
	Duck sp.		8							4	163			176	43.8	
	Goose sp.										36			36	13.5	

** Indicates coefficient of variation is greater than 33.3%.

Fort McPherson-Year 4 Recall Period

[illegible]

Fort McPherson-Year 5
Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 5
Hunter list	147	148	148	147	146	146	146	146	146	146	143	143	149 ¹
Hunters interviewed	130	129	130	129	130	126	131	126	126	127	127	126	134 ¹
Harvested	16	33	23	9	4	7	16	8	10	34	24	20	78 ¹
Did not want to particiapte	14	14	15	15	15	15	15	15	15	15	15	15	15 ¹
Response rate	88%	87%	88%	88%	89%	86%	90%	86%	86%	87%	89%	88%	88% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.
² Mean monthly response rate.

Fort McPherson-Year 5
Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear										2			2	1.1	
	Bluenose Caribou													0	0.0	
	Dall's Sheep													0	0.0	
	Grizzly Bear													0	0.0	
	Moose	1	3	2			8	8	2				1	26	5.5	
	Porcupine Caribou	11	135	106	16	6	30	14	3	31	20			373	41.5	
	Woodland Caribou													0	0.0	
Fish	Char	452												452	301.5	**
	Chum Salmon													0	0.0	
	Coney	421	357	11	3			6				285	689	1772	221.7	
	Crookedback	57	608									104	82	850	409.3	
	Grayling													0	0.0	
	Herring												91	91	61.4	**
	Jackfish	23	115	57								153	195	543	79.8	
	Lake Trout													0	0.0	
	Loche		57	6								17		80	41.0	
	Sucker		2									34		36	22.2	
	Walleye											2		2	1.5	**
	Whitefish	695	1372	1828	646			111		9	118	706	1082	6569	735.5	
	Fish sp.												3	3	2.3	**
Fur Bearer	Beaver										24	27	3	55	9.2	
	Ermine			1										1	0.8	**
	Lynx				2			1						3	1.3	
	Marten				7			1						8	4.7	
	Mink				25			18	1					44	16.3	
	Muskrat											1		1	0.7	**
	Red Fox							2	2					5	2.2	
	White Fox													0	0.0	
	Wolf													0	0.0	
	Wolverine				2			1	1					5	1.9	
Marine Mammal	Beluga Whale													0	0.0	
Small Game	Ground Squirrel													0	0.0	
	Grouse									12				12	8.4	**
	Porcupine									1				1	0.8	**
	Ptarmigan					2	2	14		12				31	9.7	
	Snowshoe Hare			125	17	92	49	214	155	75	26	1		755	114.3	
Waterfowl	Black Duck										666	151	48	864	123.4	
	Blue-winged Teal													0	0.0	
	Canada Goose										69			69	32.7	
	Canvasback													0	0.0	
	Goldeneye													0	0.0	
	Greater White-fronted Goose										23			23	16.3	**
	Green-winged Teal													0	0.0	
	Long-tailed Duck													0	0.0	
	Mallard										2	3		6	2.7	
	Pintail										7			7	3.6	
	Ring-necked Duck													0	0.0	
	Scaup													0	0.0	
	Shoveller													0	0.0	
	Snow Goose										95			95	50.0	
	Tundra Swan										10			10	5.8	
	Wigeon										2			2	1.6	**
	Duck sp.													0	0.0	
	Goose sp.													0	0.0	

** Indicates coefficient of variation is greater than 33.3%.

Fort McPherson-Year 5 Recall Period

[illegible]

Fort McPherson-Year 6
Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 6
Hunter list	143	142	140	141	140	140	140	140	140	140	138	106	143 ¹
Hunters interviewed	121	121	122	121	123	120	121	121	118	116	108	86	127 ¹
Harvested	26	68	31	17	7	10	17	15	36	29	12	18	88 ¹
Did not want to particiapte	15	15	16	17	17	17	17	17	17	18	17	17	18 ¹
Response rate	85%	85%	87%	86%	88%	86%	86%	86%	84%	83%	78%	81%	85% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.

² Mean monthly response rate.

Fort McPherson-Year 6 Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear													0	0.0	
	Bluenose Caribou													0	0.0	
	Dall's Sheep													0	0.0	
	Grizzly Bear													0	0.0	
	Moose		5			2		1	2	1	2			14	3.7	
	Porcupine Caribou	37	570	132	79	11	83	118	128	466	24		14	1663	149.0	
	Woodland Caribou													0	0.0	
Fish	Char	225	758											983	344.0	
	Chum Salmon			2										2	1.6	**
	Coney	274	235	22	10						18	588	1329	2476	392.5	
	Crookedback	277	104	163										385	929	190.6
	Grayling													0	0.0	
	Herring	234	55										62	351	151.9	
	Jackfish	236	183	71	41							118	207	856	128.7	
	Lake Trout	1												1	0.9	**
	Loche	21	45	148	362								25	601	136.6	
	Sucker				2								15	17	10.1	
	Walleye	1												1	0.9	**
	Whitefish	1203	1933	3111	585						91	388	1233	8543	932.4	
	Fish sp.													0	0.0	
Fur Bearer	Beaver	5									45	3		52	15.5	
	Ermine													0	0.0	
	Lynx				1	2	4	2						9	2.7	
	Marten				78	7	2	3						91	47.8	
	Mink				3	2	2							8	2.8	
	Muskrat										14			14	8.3	
	Red Fox				2	1								3	1.4	
	White Fox													0	0.0	
	Wolf						1	1						2	1.2	
	Wolverine					2								2	1.6	**
Marine Mammal	Beluga Whale													0	0.0	
Small Game	Ground Squirrel													0	0.0	
	Grouse													0	0.0	
	Porcupine										1			1	1.0	**
	Ptarmigan			1	1									2	1.2	
	Snowshoe Hare	5	6	40	30						2			83	26.8	
Waterfowl	Black Duck		2								408	51	25	486	122.7	
	Blue-winged Teal													0	0.0	
	Brant													0	0.0	
	Canada Goose										29			29	16.3	
	Canvasback													0	0.0	
	Goldeneye													0	0.0	
	Greater White-fronted Goose										30			30	24.5	**
	Green-winged Teal													0	0.0	
	Long-tailed Duck													0	0.0	
	Mallard										204			204	100.0	
	Pintail										7			7	5.9	**
	Ring-necked Duck													0	0.0	
	Scaup										7			7	5.9	**
	Shoveller													0	0.0	
	Snow Goose													0	0.0	
	Tundra Swan										48			48	30.0	
	Wigeon													0	0.0	
	Duck sp.													0	0.0	
	Goose sp.										88			88	59.3	**

** Indicates coefficient of variation is greater than 33.3%.

Fort McPherson-Year 6 Recall Period

[illegible]

Fort McPherson-Totals by Year Hunter Response	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	All Years
Hunter list	200	175	160	158	149	143	225 ⁵
Hunters interviewed	196	168	154	141	134	127	222 ⁵
Harvested	102	108	99	96	78	88	161 ⁵
Did not want to particiapte	5	6	14	15	15	18	19 ⁵
Response rate	90% ²	91% ²	89% ²	87% ²	88% ²	85% ²	88% ⁴

² Mean monthly response rate.

⁴ Mean annual response rate.

⁵ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the six year study period.

Fort McPherson- Total Harvest by Year		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Mean
Big Game	Black Bear	2	1	7	1	2		2
	Bluenose Caribou							0
	Dall's Sheep				5			1
	Grizzly Bear	2						0
	Moose	15	8	20	27	26	14	18
	Porcupine Caribou	1355	1070	1618	817	373	1663	1149
	Woodland Caribou							0
Fish	Char		1062	594	1454	452	983	757
	Chum Salmon			2	37		2	7
	Coney	906	1390	1471	1746	1772	2476	1627
	Crookedback	107	335	231	127	850	929	430
	Grayling			58	12			12
	Herring					91	351	74
	Jackfish	83	212	77	617	543	856	398
	Lake Trout						1	0
	Loche		520	1011	1147	80	601	560
	Sucker					36	17	9
	Walleye				2	2	1	1
	Whitefish	7691	10697	10328	6669	6569	8543	8416
	Fish sp.		1796	6303	682	3		1464
Fur Bearer	Beaver	103	72	53	57	55	52	65
	Ermine				1	1		0
	Lynx	20	31	17	28	3	9	18
	Marten	48	165	448	57	8	91	136
	Mink	28	18	20	21	44	8	23
	Muskrat	358	1928	4304	2349	1	14	1492
	Otter							0
	Red Fox	15	13	36	5	5	3	13
	White Fox		1					0
	Wolf		3				2	1
	Wolverine				1	5	2	1
Marine Mammal	Beluga Whale							0
	Ringed Seal							0
Small Game	Ground Squirrel							0
	Grouse	3		8	23	12		8
	Porcupine			2	6	1	1	2
	Ptarmigan		6	10	2	31	2	9
	Snowshoe Hare	192	72	419	650	755	83	362
Waterfowl	Black Duck	167	495	537	307	864	486	476
	Blue-winged Teal							0
	Brant							0
	Canada Goose		11	7	22	69	29	23
	Canvasback		2					0
	Goldeneye							0
	Greater White-fronted Goose				22	23	30	13
	Green-winged Teal							0
	Long-tailed Duck				11			2
	Mallard	16	52	14	55	6	204	58
	Pintail					7	7	2
	Ring-necked Duck							0
	Scaup						7	1
	Shoveller							0
	Snow Goose	3	3		17	95		20
	Tundra Swan	9	5	11	39	10	48	20
	Wigeon				11	2		2
	Duck sp.	185	59	58	176			80
	Goose sp.	211	77	44	36		88	76

Fort McPherson-Recall Period by Year		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	All Years
Months of recall	1	58%	55%	69%	69%	72%	90%	68%
	2	15%	19%	17%	23%	16%	7%	16%
	3	15%	11%	6%	6%	6%	2%	8%
	4	8%	7%	5%	2%	5%	1%	5%
	5	2%	6%	1%	1%	1%	0%	2%
	6	2%	2%	1%	0%	0%	0%	1%

Inuvik-Year 1 Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 1
Hunter list	58	57	57	55	54	55	53	54	53	55	54	55	66 ¹
Hunters interviewed	57	50	52	48	46	48	47	51	51	53	50	50	64 ¹
Harvested	12	13	12	9	9	9	6	6	11	11	10	5	38 ¹
Did not want to particiapte	1	1	1	1	1	1	1	1	1	1	1	1	1 ¹
Response rate	98%	88%	91%	87%	85%	87%	89%	94%	96%	96%	93%	91%	91% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.
² Mean monthly response rate.

Inuvik-Year 1 Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear	1												1	0.3	
	Bluenose Caribou	2	25	15	7		11	12		15	6			94	19.4	
	Dall's Sheep													0	0.0	
	Grizzly Bear													0	0.0	
	Moose	3	5								1			9	1.6	
	Porcupine Caribou	5	9	10	9	34	10	15	15	30		2		139	17.8	
	Woodland Caribou													0	0.0	
Fish	Char	3												3	0.6	
	Chum Salmon													0	0.0	
	Coney	47	382	65								67	122	682	228.1	
	Crookedback	15	173	565	34						10	54	422	1274	321.4	
	Grayling													0	0.0	
	Herring			60										60	35.0	
	Jackfish	53	16	67								54	67	257	47.5	
	Lake Trout			33						24		2	2	61	21.2	
	Loche	5	3	172	17						2	3		203	54.1	
	Sucker													0	0.0	
	Walleye													0	0.0	
	Whitefish	122	1961	1141	91						5	86	376	3782	1264.9	
	Fish sp.													0	0.0	
Fur Bearer	Beaver										6	2		8	2.3	
	Ermine													0	0.0	
	Lynx				1	1	2	16						20	10.6	
	Marten				2	16	53	30						102	35.7	
	Mink				5	4	26							34	11.4	
	Muskrat								256	277	216	167		917	149.0	
	Otter													0	0.0	
	Red Fox				3	12	21	12						48	17.3	
	White Fox													0	0.0	
	Wolf						3	8		3				14	5.9	
	Wolverine						2	1						3	1.8	
Marine Mammal	Beluga Whale	1												1	0.3	
Small Game	Ground Squirrel												4	4	2.6	
	Grouse	2	65	22					4				2	95	46.5	
	Porcupine													0	0.0	
	Ptarmigan		33											33	22.7	**
	Snowshoe Hare		26	27		7					104			164	43.8	
Waterfowl	Black Duck	36	57								75	13		180	35.9	
	Blue-winged Teal											5		5	2.9	
	Canada Goose	5	7							1	15			27	5.6	
	Canvasback										54	6		60	14.3	
	Goldeneye										18	4		22	4.4	
	Greater White-fronted Goose									8	52			60	9.9	
	Green-winged Teal											8		8	4.0	
	Long-tailed Duck									8				8	3.2	
	Mallard	10	34						4		30	15		94	25.2	
	Pintail										5	9		14	5.0	
	Ring-necked Duck											3		3	1.7	
	Scaup													0	0.0	
	Shoveller											10		10	5.2	
	Snow Goose	8	42							2	50			102	30.9	
	Tundra Swan	8	17								21	3		49	12.8	
	Wigeon										38	2		41	9.7	
	Duck sp.										5			5	1.9	
	Goose sp.													0	0.0	

** Indicates coefficient of variation is greater than 33.3%.

Inuvik-Year 1 Recall Period		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 1
Months of recall	1	100%	77%	83%	89%	78%	56%	0%	33%	55%	82%	80%	80%	72%
	2	0%	15%	8%	11%	0%	0%	50%	17%	36%	18%	0%	20%	13%
	3	0%	0%	0%	0%	0%	0%	0%	33%	9%	0%	20%	0%	4%
	4	0%	8%	8%	0%	11%	0%	50%	17%	0%	0%	0%	0%	6%
	5	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	3%
	6	0%	0%	0%	0%	11%	11%	0%	0%	0%	0%	0%	0%	2%

Inuvik-Year 2 Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 2
Hunter list	55	56	56	57	59	43	42	42	45	45	44	42	67 ¹
Hunters interviewed	51	50	47	51	52	38	40	40	42	42	43	41	66 ¹
Harvested	10	10	5	8	8	6	8	14	13	11	10	6	28 ¹
Did not want to particiapte	1	1	2	2	2	2	2	2	2	1	1	1	2 ¹
Response rate	93%	89%	84%	89%	88%	88%	95%	95%	93%	93%	98%	98%	92% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.
² Mean monthly response rate.

Inuvik-Year 2 Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear													0	0.0	
	Bluenose Caribou		2	6	13	9	11	2	35		5			84	16.0	
	Dall's Sheep													0	0.0	
	Grizzly Bear	1												1	0.6	
	Moose	3	2		1		2		1					10	2.6	
	Porcupine Caribou	14	24	8		15		25	66	45				197	29.6	
	Woodland Caribou													0	0.0	
Fish	Char											12		12	3.6	
	Chum Salmon													0	0.0	
	Coney	290	47	137	28						33	15	41	592	157.2	
	Crookedback	511	56	244	17						21	0	230	1080	299.1	
	Grayling													0	0.0	
	Herring													0	0.0	
	Jackfish	147	128	30							21	2	205	532	114.4	
	Lake Trout				22					3	21	10		57	18.2	
	Loche	3	2	125	140									270	118.7	
	Sucker													0	0.0	
	Walleye													0	0.0	
	Whitefish	1020	515	268	151						27	547	401	2929	489.1	
	Fish sp.													0	0.0	
Fur Bearer	Beaver								7	20	6	6		40	9.9	
	Ermine				8	9								17	7.3	
	Lynx				8	12	7	17	1					45	9.8	
	Marten				42	141	41	70						294	71.4	
	Mink				22	15	1	13						51	16.1	
	Muskrat								520	695	375	256		1846	325.1	
	Red Fox				6	2	3							11	3.8	
	White Fox													0	0.0	
	Wolf					2	1		2					6	1.9	
	Wolverine													1	0.8	**
Marine Mammal	Beluga Whale												1	1	0.3	
Small Game	Ground Squirrel													0	0.0	
	Grouse		7		7									13	6.1	
	Porcupine													0	0.0	
	Ptarmigan			24	22	23		1						70	28.1	
	Snowshoe Hare	31	30	80	17		63	41	90	54	1			407	74.4	
Waterfowl	Black Duck	11	9								5			25	8.5	
	Blue-winged Teal	6												6	3.4	
	Canada Goose	3									3			6	2.1	
	Canvasback	3												3	1.7	
	Goldeneye													0	0.0	
	Greater White-fronted Goose		2								70			72	20.5	
	Green-winged Teal	2												2	1.1	
	Long-tailed Duck													0	0.0	
	Mallard	24	17							5	17			63	14.6	
	Pintail	15									28			43	12.8	
	Ring-necked Duck													0	0.0	
	Scaup	17	1											18	6.6	
	Shoveller	9												9	4.6	
	Snow Goose										165			165	76.0	
	Tundra Swan	3	4								8			15	3.9	
	Wigeon										9			9	3.1	
	Duck sp.										12	48	6	66	9.4	
	Goose sp.													0	0.0	

** Indicates coefficient of variation is greater than 33.3%.

Inuvik-Year 2 Recall Period

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 2
Months of recall	1	90%	70%	40%	13%	50%	83%	25%	29%	31%	64%	80%	83%	53%
	2	10%	0%	0%	38%	25%	0%	38%	14%	31%	18%	10%	0%	17%
	3	0%	10%	40%	38%	13%	0%	0%	29%	31%	18%	0%	0%	16%
	4	0%	10%	20%	13%	0%	0%	0%	21%	8%	0%	0%	0%	6%
	5	0%	0%	0%	0%	0%	17%	25%	7%	0%	0%	0%	17%	5%
	6	0%	10%	0%	0%	13%	0%	13%	0%	0%	0%	10%	0%	4%

Inuvik-Year 3 Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 3
Hunter list	41	43	43	43	43	44	44	44	45	45	44	45	49 ¹
Hunters interviewed	38	41	40	41	38	41	41	40	40	37	39	35	47 ¹
Harvested	7	9	9	13	7	8	12	7	8	9	5	2	26 ¹
Did not want to particiapte	1	1	1	1	1	1	1	1	1	1	1	1	1 ¹
Response rate	93%	95%	93%	95%	88%	93%	93%	91%	89%	82%	89%	78%	90% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.

² Mean monthly response rate.

Inuvik-Year 3 Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear													0	0.0	
	Bluenose Caribou			4	86		16	19		14				139	19.7	
	Dall's Sheep	1												1	0.6	
	Grizzly Bear													0	0.0	
	Moose		1			1		1	2					5	1.7	
	Porcupine Caribou	8	19	13	6	27	8	35	30	39				185	27.5	
	Woodland Caribou													0	0.0	
Fish	Char	5		29										34	10.9	
	Chum Salmon													0	0.0	
	Coney				324		34	11				62	32	463	141.0	
	Crookedback	216	210	118	108		215	43			7		13	930	196.9	
	Grayling													0	0.0	
	Herring													0	0.0	
	Jackfish	1	315	215	46	75	11	5						668	181.4	
	Lake Trout	137							2			23		162	74.2	
	Loche				131	37		5						174	51.8	
	Sucker													0	0.0	
	Walleye													0	0.0	
	Whitefish	1106	1363	1656	1976	301	5				359	135	96	6998	953.4	
	Fish sp.												19	19	17.8	**
Fur Bearer	Beaver				1					12	11			24	10.3	
	Ermine													0	0.0	
	Lynx					7	15	29						51	16.5	
	Marten			104	78	93	56							331	53.3	
	Mink				4		9	10						22	6.8	
	Muskrat								316					316	136.4	
	Red Fox						21	36						58	20.4	
	White Fox													0	0.0	
	Wolf				2	2	3							8	2.1	
	Wolverine				1	1	3							5	1.5	
Marine Mammal	Beluga Whale													0	0.0	
	Ringed Seal													0	0.0	
Small Game	Ground Squirrel													0	0.0	
	Grouse		5	19	10									35	8.6	
	Porcupine													0	0.0	
	Ptarmigan			22	29	2		2						55	11.8	
	Snowshoe Hare		1		114		32	35	6	7				195	50.4	
Waterfowl	Black Duck		3								84	5		92	55.9	
	Blue-winged Teal													0	0.0	
	Canada Goose	14	19								28			61	18.8	
	Canvasback										9			9	7.0	**
	Goldeneye													0	0.0	
	Greater White-fronted Goose		3								35			38	21.8	
	Green-winged Teal										6			6	5.0	**
	Long-tailed Duck													0	0.0	
	Mallard		3								30	5		38	14.9	
	Pintail										13			13	10.1	**
	Ring-necked Duck													0	0.0	
	Scaup													0	0.0	
	Shoveller													0	0.0	
	Snow Goose										334			334	276.4	**
	Tundra Swan		14								23			37	15.1	
	Wigeon		2								4			6	3.1	
	Duck sp.		31							5	67	11		114	41.7	
	Goose sp.		4											4	1.8	

** Indicates coefficient of variation is greater than 33.3%.

Inuvik-Year 3 Recall Period		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 3
Months of recall	1	43%	33%	33%	85%	29%	13%	83%	43%	63%	78%	60%	0%	53%
	2	29%	0%	56%	8%	14%	75%	8%	43%	13%	22%	20%	50%	25%
	3	0%	56%	0%	0%	43%	0%	0%	0%	13%	0%	20%	50%	11%
	4	29%	0%	0%	8%	0%	0%	0%	14%	0%	0%	0%	0%	4%
	5	0%	0%	11%	0%	0%	0%	8%	0%	0%	0%	0%	0%	2%
	6	0%	11%	0%	0%	14%	13%	0%	0%	13%	0%	0%	0%	4%

Inuvik-Year 4 Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 4
Hunter list	42	40	40	40	39	38	39	40	37	39	38	38	47 ¹
Hunters interviewed	34	36	36	37	37	36	36	36	34	37	35	34	45 ¹
Harvested	4	7	9	9	7	4	8	9	8	13	7	3	28 ¹
Did not want to particiapte	1	1	1	1	1	2	2	2	2	2	2	2	2 ¹
Response rate	81%	90%	90%	93%	95%	95%	92%	90%	92%	95%	92%	89%	91% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.
² Mean monthly response rate.

Inuvik-Year 4 Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear													0	0.0	
	Bluenose Caribou			4	16	12	6	21	3	3	3	5		74	12.0	
	Dall's Sheep													0	0.0	
	Grizzly Bear													0	0.0	
	Moose		3	1		1			2					8	2.2	
	Porcupine Caribou		8	47		2			28	34	1			119	23.1	
	Woodland Caribou													0	0.0	
Fish	Char	86												86	74.0	**
	Chum Salmon	4												4	3.2	**
	Coney	37	56	56	54	21						45	74	342	82.8	
	Crookedback	37		278	54							24	46	439	150.8	
	Grayling													0	0.0	
	Herring													0	0.0	
	Jackfish	4		111	108						105	10	9	347	101.8	
	Lake Trout	1									16	27		44	16.5	
	Loche			111	112									224	90.0	
	Sucker													0	0.0	
	Walleye													0	0.0	
	Whitefish	124	56	56	249	0	0	0	0	218	67	352	103	1223	259.3	
	Fish sp.													0	0.0	
Fur Bearer	Beaver										20	1		21	5.5	
	Ermine													0	0.0	
	Lynx					7	4	5		1				18	3.8	
	Marten				43	61	12							116	23.9	
	Mink				11	5		2						18	6.2	
	Muskrat										527	163		690	180.0	
	Red Fox					16								16	5.2	
	White Fox													0	0.0	
	Wolf							2						2	1.2	
	Wolverine						1		2	1				4	1.6	
Marine Mammal	Beluga Whale												2	2	1.4	
Small Game	Ground Squirrel													0	0.0	
	Grouse													0	0.0	
	Porcupine													0	0.0	
	Ptarmigan				115			22	44					181	65.3	
	Snowshoe Hare			44	43	42	81	72	78	27	42			430	65.8	
Waterfowl	Black Duck		28							11	30	52		120	23.9	
	Blue-winged Teal													0	0.0	
	Canada Goose	1	2								102	24		130	37.0	
	Canvasback											7		7	3.6	
	Goldeneye													0	0.0	
	Greater White-fronted Goose										61	4		65	13.8	
	Green-winged Teal													0	0.0	
	Long-tailed Duck													0	0.0	
	Mallard	2								11	61	29		104	15.9	
	Pintail										8	3		12	3.2	
	Ring-necked Duck													0	0.0	
	Scaup													0	0.0	
	Shoveller													0	0.0	
	Snow Goose										55	217		272	121.8	
	Tundra Swan										13	2		15	3.4	
	Wigeon									11	14	16		41	11.4	
	Duck sp.											17		17	9.6	
	Goose sp.													0	0.0	

** Indicates coefficient of variation is greater than 33.3%.

Inuvik-Year 4 Recall Period

[illegible]

Inuvik-Year 5 Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 5
Hunter list	38	38	38	37	36	39	38	36	37	38	38	38	42 ¹
Hunters interviewed	35	36	36	34	31	34	31	31	35	36	35	36	40 ¹
Harvested	8	9	11	9	6	3	6	4	5	5	7	6	22 ¹
Did not want to particiapte	2	2	2	2	2	2	2	2	2	2	2	2	2 ¹
Response rate	92%	95%	95%	92%	86%	87%	82%	86%	95%	95%	92%	95%	91% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.

² Mean monthly response rate.

Inuvik-Year 5 Total Harvest

Inuvik-Year 5 Total Harvest		Inuvik Year 5 Total Harvest														Total	± ME
		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul				
Big Game	Black Bear														0	0.0	
	Bluenose Caribou		8	2	9	8	21	36	20		4				108	28.6	
	Dall's Sheep														0	0.0	
	Grizzly Bear														0	0.0	
	Moose	1	3	1				2	1	1					10	2.6	
	Porcupine Caribou	2	5	36											43	9.7	
	Woodland Caribou														0	0.0	
Fish	Char	4	4												9	3.1	
	Chum Salmon														0	0.0	
	Coney	56	53	53								142	100		405	80.7	
	Crookedback	89	116	950	222										1377	342.8	
	Grayling														0	0.0	
	Herring														0	0.0	
	Jackfish	30	33	59	10								109		241	68.7	
	Lake Trout	27			2					29				19	77	20.6	
	Loche		11	106	33										149	50.1	
	Sucker														0	0.0	
	Walleye														0	0.0	
	Whitefish	161	245	1066	381					10			266	374	2502	454.0	
	Fish sp.														0	0.0	
	Fur Bearer	Beaver								1		6	2			10	3.2
Ermine						3	2						6		2.8		
Lynx					3	16	11	11							42	14.7	
Marten					73	63	18	66							220	53.6	
Mink					2	2	3	13							21	8.0	
Muskrat															0	0.0	
Red Fox					28		5	13							46	18.8	
White Fox															0	0.0	
Wolf				8	1			2	3				14		4.9		
Wolverine					2			2	3						8	3.5	
Marine Mammal		Beluga Whale														0	0.0
Small Game	Ground Squirrel						2	2							5	2.6	
	Grouse			3	2										5	1.9	
	Porcupine														0	0.0	
	Ptarmigan			3	4				1						9	2.9	
	Snowshoe Hare		42	74	27				6	15					164	36.7	
Waterfowl	Black Duck	9	11	26											46	13.6	
	Blue-winged Teal														0	0.0	
	Canada Goose	43	12								14				69	24.9	
	Canvasback		5												5	2.4	
	Goldeneye	35	26												61	22.5	
	Greater White-fronted Goose		1								12				13	3.7	
	Green-winged Teal														0	0.0	
	Long-tailed Duck														0	0.0	
	Mallard			6							29				35	8.9	
	Pintail														0	0.0	
	Ring-necked Duck														0	0.0	
	Scaup		34												34	15.2	
	Shoveller														0	0.0	
	Snow Goose									1	53	73			127	43.4	
	Tundra Swan		2								8				11	2.9	
	Wigeon		32								25	11			68	16.9	
	Duck sp.														0	0.0	
	Goose sp.														0	0.0	

Inuvik-Year 5 Recall Period

[illegible]

Inuvik-Year 6 Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 6
Hunter list	38	38	36	38	37	38	37	36	36	35	34	34	43 ¹
Hunters interviewed	34	33	34	32	32	31	26	27	29	27	24	26	40 ¹
Harvested	5	10	10	4	3	2	2	2	4	3	2	1	17 ¹
Did not want to particiapte	2	2	2	5	5	5	5	5	5	5	5	5	5 ¹
Response rate	89%	87%	94%	84%	86%	82%	70%	75%	81%	77%	71%	76%	81% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.

² Mean monthly response rate.

Inuvik-Year 6 Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear													0	0.0	
	Bluenose Caribou		10			5								15	8.1	
	Dall's Sheep													0	0.0	
	Grizzly Bear													0	0.0	
	Moose	3	3	1	1				1	1				12	2.9	
	Porcupine Caribou	1	33	23		17	12	14	27	11				139	37.7	
	Woodland Caribou													0	0.0	
Fish	Char													0	0.0	
	Chum Salmon													0	0.0	
	Coney	92	63	64	48	35								301	66.4	
	Crookedback		35	212										246	100.9	
	Grayling													0	0.0	
	Herring													0	0.0	
	Jackfish	56	23	21	24	12				135	44.6			0		
	Lake Trout	78	115							5	19	21	20	259	101.9	
	Loche													0	0.0	
	Sucker													0	0.0	
	Walleye													0	0.0	
	Whitefish	576	2648	1482	154	116							131	5107	1729.0	
	Fish sp.													0	0.0	
Fur Bearer	Beaver													0	0.0	
	Ermine													0	0.0	
	Lynx					5	7	14	5					32	13.9	
	Marten				78	24	49	28						180	69.4	
	Mink													0	0.0	
	Muskrat													0	0.0	
	Red Fox													0	0.0	
	White Fox													0	0.0	
	Wolf				5									5	3.7	**
	Wolverine			5		2	1							9	3.9	
Marine Mammal	Beluga Whale													0	0.0	
Small Game	Ground Squirrel													0	0.0	
	Grouse													0	0.0	
	Porcupine													0	0.0	
	Ptarmigan			11	5	5								20	7.0	
	Snowshoe Hare			85	36	6	12	28		7				174	45.8	
														0	0.0	
Waterfowl	Black Duck		69									35		105	56.0	
	Blue-winged Teal													0	0.0	
	Brant													0	0.0	
	Canada Goose	1	2								35			38	30.4	**
	Canvasback													0	0.0	
	Goldeneye													0	0.0	
	Greater White-fronted Goose										52			52	42.7	**
	Green-winged Teal													0	0.0	
	Long-tailed Duck													0	0.0	
	Mallard		6								35			41	23.3	
	Pintail										5			5	4.9	**
	Ring-necked Duck													0	0.0	
	Scaup													0	0.0	
	Shoveller													0	0.0	
	Snow Goose		66								97			163	97.0	
	Tundra Swan		1											1	0.8	**
	Wigeon		23									14		37	22.2	
	Duck sp.													0	0.0	
	Goose sp.													0	0.0	

** Indicates coefficient of variation is greater than 33.3%.

Inuvik-Year 6 Recall Period		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 6
Months of recall	1	60%	80%	90%	25%	100%	50%	50%	100%	50%	33%	0%	0%	65%
	2	0%	10%	0%	75%	0%	0%	50%	0%	25%	0%	0%	0%	13%
	3	20%	0%	10%	0%	0%	50%	0%	0%	0%	0%	0%	100%	8%
	4	0%	10%	0%	0%	0%	0%	0%	0%	0%	33%	50%	0%	6%
	5	20%	0%	0%	0%	0%	0%	0%	0%	0%	33%	50%	0%	6%
	6	0%	0%	0%	0%	0%	0%	0%	0%	25%	0%	0%	0%	2%

Inuvik-Totals by Year Hunter Response	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	All Years
Hunter list	66	67	49	47	42	43	96 ⁵
Hunters interviewed	64	66	47	45	40	40	94 ⁵
Harvested	38	28	26	28	22	17	62 ⁵
Did not want to particiapte	1	2	1	2	2	5	5 ⁵
Response rate	91% ²	92% ²	90% ²	91% ²	91% ²	81% ²	89% ⁴

² Mean monthly response rate.

⁴ Mean annual response rate.

⁵ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the six year study period.

Inuvik- Total Harvest by Year

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Mean
Big Game	Black Bear	1						0
	Bluenose Caribou	94	84	139	74	108	15	86
	Dall's Sheep			1				0
	Grizzly Bear		1					0
	Moose	9	10	5	8	10	12	9
	Porcupine Caribou	139	197	185	119	43	139	137
	Woodland Caribou							0
Fish	Char	3	12	34	86	9		24
	Chum Salmon				4			1
	Coney	682	592	463	342	405	301	464
	Crookedback	1274	1080	930	439	1377	246	891
	Grayling							0
	Herring	60						10
	Jackfish	257	532	668	347	241	135	363
	Lake Trout	61	57	162	44	77	259	110
	Loche	203	270	174	224	149		170
	Sucker							0
	Walleye							0
	Whitefish	3782	2929	6998	1223	2502	5107	3757
	Fish sp.			19				3
Fur Bearer	Beaver	8	40	24	21	10		17
	Ermine		17			6		4
	Lynx	20	45	51	18	42	32	35
	Marten	102	294	331	116	220	180	207
	Mink	34	51	22	18	21		25
	Muskrat	917	1846	316	690			628
	Otter							0
	Red Fox	48	11	58	16	46		30
	White Fox							0
	Wolf	14	6	8	2	14	5	8
	Wolverine	3	1	5	4	8	9	5
Marine Mammal	Beluga Whale	1	1		2			1
	Ringed Seal							0
Small Game	Ground Squirrel	4				5		2
	Grouse	95	13	35		5		25
	Porcupine							0
	Ptarmigan	33	70	55	181	9	20	61
	Snowshoe Hare	164	407	195	430	164	174	256
Waterfowl	Black Duck	180	25	92	120	46	105	95
	Blue-winged Teal	5	6					2
	Brant							0
	Canada Goose	27	6	61	130	69	38	55
	Canvasback	60	3	9	7	5		14
	Goldeneye	22				61		14
	Greater White-fronted Goose	60	72	38	65	13	52	50
	Green-winged Teal	8	2	6				3
	Long-tailed Duck	8						1
	Mallard	94	63	38	104	35	41	62
	Pintail	14	43	13	12		5	15
	Ring-necked Duck	3						1
	Scaup		18			34		9
	Shoveller	10	9					3
	Snow Goose	102	165	334	272	127	163	194
	Tundra Swan	49	15	37	15	11	1	21
	Wigeon	41	9	6	41	68	37	33
	Duck sp.	5	66	114	17			34
	Goose sp.			4				1

Inuvik-Recall Period by Year		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	All Years
Months of recall	1	72%	53%	53%	63%	84%	65%	64%
	2	13%	17%	25%	15%	9%	13%	16%
	3	4%	16%	11%	10%	3%	8%	9%
	4	6%	6%	4%	6%	1%	6%	5%
	5	3%	5%	2%	6%	1%	6%	4%
	6	2%	4%	4%	1%	3%	2%	3%

Tsiigehtchic-Year 1 Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 1
Hunter list	43	44	45	44	42	42	42	41	42	42	42	43	51 ¹
Hunters interviewed	40	44	42	42	41	41	42	41	42	42	41	41	51 ¹
Harvested	13	9	19	9	10	7	5	7	4	9	8	7	27 ¹
Did not want to particiapte	0	0	0	0	0	0	0	0	0	0	0	0	0 ¹
Response rate	93%	100%	93%	95%	98%	98%	100%	100%	100%	100%	98%	95%	98% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.
² Mean monthly response rate.

Tsiigehtchic-Year 1 Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME
Big Game	Black Bear		2								1			3	0.0
	Bluenose Caribou				5			4			1			10	2.2
	Dall's Sheep													0	0.0
	Grizzly Bear													0	0.0
	Moose		4	3		4	3	2	2					18	1.7
	Porcupine Caribou	6	4	14		42	18		35	43				163	11.2
	Woodland Caribou													0	0.0
Fish	Char													0	0.0
	Chum Salmon													0	0.0
	Coney	471	360	375					35	7	8	198	1133	2586	257.4
	Crookedback	871	1320	6321									52	8565	2473.0
	Grayling													0	0.0
	Herring													0	0.0
	Jackfish	58	55	6					8		23	14	23	188	29.0
	Lake Trout			64										64	32.5
	Loche			11					2				1	14	5.4
	Sucker												2	2	0.9
	Walleye													0	0.0
	Whitefish	1967	1215	6879					2		15	176	393	10647	880.7
	Fish sp.			1071										1071	542.2
Fur Bearer	Beaver	2							12	1	21	2		38	1.3
	Ermine													0	0.0
	Lynx						1	1						2	0.3
	Marten				207	84	30	25						346	44.0
	Mink				2	1		2						5	0.7
	Muskrat								39		123			162	0.0
	Otter													0	0.0
	Red Fox				4	5	6							15	2.4
	White Fox													0	0.0
	Wolf					1		1						2	0.3
	Wolverine				4	3								7	1.5
Marine Mammal	Beluga Whale													0	0.0
Small Game	Ground Squirrel													0	0.0
	Grouse													0	0.0
	Porcupine													0	0.0
	Ptarmigan													0	0.0
	Snowshoe Hare	11	37	21	35	13		20						137	15.9
Waterfowl	Black Duck										76	123		199	26.3
	Blue-winged Teal													0	0.0
	Canada Goose										70			70	0.0
	Canvasback											4		4	1.2
	Goldeneye													0	0.0
	Greater White-fronted Goose													0	0.0
	Green-winged Teal													0	0.0
	Long-tailed Duck										10	15		25	4.6
	Mallard											6		6	1.9
	Pintail													0	0.0
	Ring-necked Duck													0	0.0
	Scaup													0	0.0
	Shoveller													0	0.0
	Snow Goose										89	1		90	0.3
	Tundra Swan										34	2		36	0.6
	Wigeon													0	0.0
	Duck sp.										10			10	0.0
	Goose sp.										20	10		30	3.1

Tsiigehtchic-Year 1 Recall Period		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 1
Months of recall	1	85%	89%	84%	100%	90%	86%	80%	100%	100%	78%	63%	0%	80%
	2	15%	0%	16%	0%	0%	0%	0%	0%	0%	11%	0%	86%	11%
	3	0%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
	4	0%	0%	0%	0%	0%	0%	20%	0%	0%	0%	0%	14%	2%
	5	0%	0%	0%	0%	0%	14%	0%	0%	0%	0%	38%	0%	4%
	6	0%	0%	0%	0%	10%	0%	0%	0%	0%	11%	0%	0%	2%

Tsiigehtchic-Year 2 Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 2
Hunter list	42	44	44	46	47	47	48	49	47	47	47	47	54 ¹
Hunters interviewed	42	43	44	43	45	47	47	49	46	46	47	47	54 ¹
Harvested	14	14	27	13	12	8	12	9	10	10	1	7	38 ¹
Did not want to particiapte	0	0	0	0	0	0	0	0	0	0	0	0	0 ¹
Response rate	100%	98%	100%	93%	96%	100%	98%	100%	98%	98%	100%	100%	98% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.
² Mean monthly response rate

Tsiigehtchic-Year 2 Total Harvest

Tsiigehtchic-Year 2 Total Harvest		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME		
Big Game	Black Bear	1										1	2	0.3			
	Bluenose Caribou												0	0.0			
	Dall's Sheep												0	0.0			
	Grizzly Bear												0	0.0			
	Moose	1	3			1	1	1	1				8	0.8			
	Porcupine Caribou	3	13	37	2	29	4	97	9	55				250	19.0		
	Woodland Caribou												0	0.0			
Fish	Char	1											1	0.0			
	Chum Salmon												0	0.0			
	Coney	890	279	1072	7							70	692	3011	47.5		
	Crookedback	300	675	10428	877								8	12289	339.2		
	Grayling												3	3	0.0		
	Herring												0	0.0			
	Jackfish	60	31	70	27								16	203	14.5		
	Lake Trout												27	26		53	17.0
	Loche		35	196	53	52								337	31.1		
	Sucker	4											4	0.0			
	Walleye												0	0.0			
	Whitefish	1280	1770	8620	920							90	275	12955	278.7		
	Fish sp.	930											9		939	2.6	
Fur Bearer	Beaver											1	7	17	26	4.7	
	Ermine	3										1	3		7	0.5	
	Lynx											1	9	3	1	14	0.8
	Marten	120										210	128	31	3	491	55.7
	Mink	1										1	2		4	0.9	
	Muskrat											48	204	276	528	85.6	
	Red Fox	6										4			11	3.4	
	White Fox														0	0.0	
	Wolf											1			1	0.0	
	Wolverine	1										2			3	0.4	
Marine Mammal	Beluga Whale														0	0.0	
Small Game	Ground Squirrel														0	0.0	
	Grouse	12										4	9		25	6.1	
	Porcupine														0	0.0	
	Ptarmigan														0	0.0	
	Snowshoe Hare	19										47	39	44	42	191	20.7
Waterfowl	Black Duck											92			92	18.5	
	Blue-winged Teal														0	0.0	
	Canada Goose														0	0.0	
	Canvasback														0	0.0	
	Goldeneye														0	0.0	
	Greater White-fronted Goose														0	0.0	
	Green-winged Teal														0	0.0	
	Long-tailed Duck														0	0.0	
	Mallard														0	0.0	
	Pintail														0	0.0	
	Ring-necked Duck														0	0.0	
	Scaup														0	0.0	
	Shoveller														0	0.0	
	Snow Goose														0	0.0	
	Tundra Swan											74			74	18.5	
	Wigeon														0	0.0	
	Duck sp.											15	84		99	14.2	
	Goose sp.	20											109		129	27.1	

Tsiigehtchic-Year 2 Recall Period		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 2
Months of recall	1	71%	0%	96%	92%	100%	63%	58%	78%	90%	100%	0%	86%	76%
	2	0%	100%	0%	8%	0%	13%	42%	22%	10%	0%	0%	0%	18%
	3	29%	0%	4%	0%	0%	25%	0%	0%	0%	0%	0%	0%	5%
	4	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	1%
	6	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	1%

Tsiigehtchic-Year 3 Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 3
Hunter list	46	45	45	45	46	48	47	48	49	49	49	51	53 ¹
Hunters interviewed	46	45	45	45	46	46	47	48	49	49	49	51	53 ¹
Harvested	14	8	18	7	9	14	11	10	13	14	5	10	41 ¹
Did not want to particiapte	0	0	0	0	0	0	0	0	0	0	0	0	0 ¹
Response rate	100%	100%	100%	100%	100%	96%	100%	100%	100%	100%	100%	100%	100% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.

² Mean monthly response rate.

Tsiigehtchic-Year 3 Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME
Big Game	Black Bear	1												1	0.0
	Bluenose Caribou					5	1							6	0.4
	Dall's Sheep									1				1	0.0
	Grizzly Bear													0	0.0
	Moose	4	8					1	1					14	0.0
	Porcupine Caribou	8		56	12	6	59	18	31	12				202	12.5
	Woodland Caribou													0	0.0
Fish	Char		1											1	0.0
	Chum Salmon													0	0.0
	Coney	195	115						10	11	20	115	1315	1781	0.0
	Crookedback	82	490	178								10	10	770	0.0
	Grayling	1												1	0.0
	Herring													0	0.0
	Jackfish	2	20					1		3		7	29	62	0.0
	Lake Trout	6												6	0.0
	Loche			54					13					67	0.0
	Sucker													0	0.0
	Walleye	1												1	0.0
	Whitefish	1459	4920	7068				7	14	16	20	85	645	14234	0.0
	Fish sp.													0	0.0
Fur Bearer	Beaver	5								2	15	10		32	0.0
	Ermine													0	0.0
	Lynx						1		1					2	0.4
	Marten				144	71	28	12						255	5.9
	Mink				1	6	8	3						18	2.3
	Muskrat									21	4			25	0.0
	Red Fox				5	3	3	1						12	1.3
	White Fox													0	0.0
	Wolf													0	0.0
	Wolverine				1	1		1						3	0.0
Marine Mammal	Beluga Whale													0	0.0
	Ringed Seal													0	0.0
Small Game	Ground Squirrel		1											1	0.0
	Grouse									10				10	0.0
	Porcupine													0	0.0
	Ptarmigan													0	0.0
	Snowshoe Hare				15	69	83	44	25	37			6	279	13.8
Waterfowl	Black Duck										235			235	0.0
	Blue-winged Teal													0	0.0
	Canada Goose									1				1	0.0
	Canvasback													0	0.0
	Goldeneye													0	0.0
	Greater White-fronted Goose													0	0.0
	Green-winged Teal													0	0.0
	Long-tailed Duck													0	0.0
	Mallard									2				2	0.0
	Pintail													0	0.0
	Ring-necked Duck													0	0.0
	Scaup													0	0.0
	Shoveller													0	0.0
	Snow Goose													0	0.0
	Tundra Swan										13			13	0.0
	Wigeon													0	0.0
	Duck sp.										66	9		75	0.0
	Goose sp.										56	2		58	0.0

Tsiigehtchic-Year 3 Recall Period

[illegible]

Tsiigehtchic-Year 4 Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 4
Hunter list	51	51	52	52	52	52	52	52	53	54	54	54	54 ¹
Hunters interviewed	48	49	52	50	48	50	50	48	47	47	35	45	54 ¹
Harvested	12	8	11	8	1	3	3	5	1	5	2	6	29 ¹
Did not want to particiapte	0	0	0	0	0	0	0	0	0	0	0	0	0 ¹
Response rate	94%	96%	100%	96%	92%	96%	96%	92%	89%	87%	65%	83%	91% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.

² Mean monthly response rate

Tsiigehtchic-Year 4 Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear													0	0.0	
	Bluenose Caribou			4	1		2							7	0.9	
	Dall's Sheep													0	0.0	
	Grizzly Bear													0	0.0	
	Moose	5	5					2	1	1	1			16	2.4	
	Porcupine Caribou	10	31	11			21	10						83	12.0	
	Woodland Caribou													0	0.0	
Fish	Char													0	0.0	
	Chum Salmon	19												19	8.6	
	Coney	674	104	330									840	1948	502.3	
	Crookedback	128	26	270						141				564	99.8	
	Grayling													0	0.0	
	Herring													0	0.0	
	Jackfish	157	62	10						28			18	276	59.6	
	Lake Trout			55						73				128	48.3	
	Loche		5	50	47									102	18.1	
	Sucker	11	5											16	5.4	
	Walleye	3												3	1.5	
	Whitefish	1454	312	3013	1399			35	11	39		386	1152	7801	742.0	
	Fish sp.													0	0.0	
Fur Bearer	Beaver		2								9			11	4.8	
	Ermine													0	0.0	
	Lynx								5					5	2.9	
	Marten				12	3								16	5.1	
	Mink				1									1	0.4	
	Muskrat													0	0.0	
	Red Fox													0	0.0	
	White Fox													0	0.0	
	Wolf													0	0.0	
	Wolverine				1									1	0.4	
Marine Mammal	Beluga Whale													0	0.0	
Small Game	Ground Squirrel													0	0.0	
	Grouse	11				3					17			31	13.3	
	Porcupine													0	0.0	
	Ptarmigan					4								4	2.4	
	Snowshoe Hare		8	12	5				13		11			50	10.8	
Waterfowl	Black Duck										17			17	12.2	**
	Blue-winged Teal													0	0.0	
	Canada Goose	11									17			28	10.0	
	Canvasback													0	0.0	
	Goldeneye													0	0.0	
	Greater White-fronted Goose													0	0.0	
	Green-winged Teal													0	0.0	
	Long-tailed Duck													0	0.0	
	Mallard										13			13	8.9	**
	Pintail													0	0.0	
	Ring-necked Duck													0	0.0	
	Scaup													0	0.0	
	Shoveller													0	0.0	
	Snow Goose													0	0.0	
	Tundra Swan										10			10	4.3	
	Wigeon													0	0.0	
	Duck sp.													0	0.0	
	Goose sp.													0	0.0	

** Indicates coefficient of variation is greater than 33.3%.

Tsiigehtchic-Year 4 Recall Period

[illegible]

Tsiigehtchic-Year 5 Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 5
Hunter list	54	54	54	54	52	52	52	52	52	51	51	51	56 ¹
Hunters interviewed	45	47	47	47	49	47	48	48	49	49	47	48	53 ¹
Harvested	12	10	13	9	5	6	7	4	4	10	5	5	33 ¹
Did not want to particiapte	0	0	0	0	1	2	2	2	2	2	3	3	3 ¹
Response rate	83%	87%	87%	87%	94%	90%	92%	92%	94%	96%	92%	94%	91% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.
² Mean monthly response rate

Tsiigehtchic-Year 5 Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear											1	1	2	0.8	
	Bluenose Caribou					5		7						12	4.3	
	Dall's Sheep														0.0	
	Grizzly Bear									1				1	0.5	
	Moose						3	8	4		1			16	3.7	
	Porcupine Caribou		3											3	2.4	**
	Woodland Caribou				6									6	4.1	**
Fish	Char													0	0.0	
	Chum Salmon													0	0.0	
	Coney	480	172	157	460							33	358	1660	466.0	
	Crookedback	204	115	0	620							33	10	981	439.0	
	Grayling	1												1	1.0	**
	Herring			230									132	362	173.6	
	Jackfish	18											22	40	12.8	
	Lake Trout													0	0.0	
	Loche			34									13	47	24.9	
	Sucker													0	0.0	
	Walleye												2	2	0.7	
	Whitefish	3048	1201	1965	1746							54	202	8216	1089.1	
	Fish sp.												3	3	1.5	
Fur Bearer	Beaver								4	5	3	12		25	5.5	
	Ermine													0	0.0	
	Lynx							1						1	0.6	
	Marten				8	94	27							129	30.9	
	Mink				1		1							2	1.1	
	Muskrat									1		3		4	1.9	
	Red Fox				3		4	2						10	3.4	
	White Fox													0	0.0	
	Wolf					1								1	0.8	**
	Wolverine													0	0.0	
Marine Mammal	Beluga Whale													0	0.0	
Small Game	Ground Squirrel													0	0.0	
	Grouse													0	0.0	
	Porcupine													0	0.0	
	Ptarmigan							108		5				114	58.9	
	Snowshoe Hare	18	17		46		31	94	9	4	2			221	46.2	
Waterfowl	Black Duck		11								53	16		81	15.2	
	Blue-winged Teal													0	0.0	
	Canada Goose													0	0.0	
	Canvasback													0	0.0	
	Goldeneye													0	0.0	
	Greater White-fronted Goose													0	0.0	
	Green-winged Teal													0	0.0	
	Long-tailed Duck													0	0.0	
	Mallard									7				7	3.5	
	Pintail													0	0.0	
	Ring-necked Duck													0	0.0	
	Scaup													0	0.0	
	Shoveller													0	0.0	
	Snow Goose									8	3			12	4.2	
	Tundra Swan									4	34			39	12.3	
	Wigeon										6			6	2.4	
	Duck sp.													0	0.0	
	Goose sp.										104			104	40.4	

** Indicates coefficient of variation is greater than 33.3%.

Tsiigehtchic-Year 5 Recall Period

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 5
Months of recall	1	17%	0%	0%	0%	60%	83%	71%	0%	0%	80%	100%	100%	37%
	2	0%	0%	0%	100%	0%	0%	0%	0%	100%	20%	0%	0%	17%
	3	0%	0%	100%	0%	0%	0%	0%	75%	0%	0%	0%	0%	18%
	4	0%	90%	0%	0%	0%	0%	14%	25%	0%	0%	0%	0%	12%
	5	75%	10%	0%	0%	0%	17%	0%	0%	0%	0%	0%	0%	12%
	6	8%	0%	0%	0%	40%	0%	14%	0%	0%	0%	0%	0%	4%

Tsiigehtchic-Year 6 Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 6
Hunter list	51	51	50	53	51	50	48	48	46	37	36	36	55 ¹
Hunters interviewed	45	44	44	48	46	44	40	41	28	28	28	27	51 ¹
Harvested	15	9	11	15	3	4	2	1	5	7	6	2	33 ¹
Did not want to particiapte	3	3	3	3	3	3	3	3	3	3	3	3	3 ¹
Response rate	88%	86%	88%	91%	90%	88%	83%	85%	61%	76%	78%	75%	82% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.

² Mean monthly response rate.

Tsiigehtchic-Year 6 Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear													0	0.0	
	Bluenose Caribou				2	2								4	1.9	
	Dall's Sheep													0	0.0	
	Grizzly Bear													0	0.0	
	Moose							1						1	1.0	**
	Porcupine Caribou		9	9		4				23				46	22.7	
	Woodland Caribou													0	0.0	
Fish	Char													0	0.0	
	Chum Salmon													0	0.0	
	Coney	1037	1275	97	19							96	433	2957	832.9	
	Crookedback	544	383	670	11									1608	412.7	
	Grayling													0	0.0	
	Herring													0	0.0	
	Jackfish	129											93	223	109.9	
	Lake Trout													0	0.0	
	Loche	6	116	84	63									269	96.6	
	Sucker													0	0.0	
	Walleye	1												1	0.8	**
	Whitefish	3546	2341	2710	3423							87	600	12708	1696.7	
	Fish sp.											129		129	118.8	**
Fur Bearer	Beaver								2		24	4		30	15.1	
	Ermine													0	0.0	
	Lynx													0	0.0	
	Marten				25	21	16	20						83	23.5	
	Mink													0	0.0	
	Muskrat													0	0.0	
	Red Fox				2	4								7	2.9	
	White Fox													0	0.0	
	Wolf													0	0.0	
	Wolverine													0	0.0	
														0	0.0	
Marine Mammal	Beluga Whale													0	0.0	
Small Game	Ground Squirrel													0	0.0	
	Grouse								4					4	2.6	**
	Porcupine													0	0.0	
	Ptarmigan						9	7						16	7.5	
	Snowshoe Hare						1			25				26	21.4	**
														0	0.0	
Waterfowl	Black Duck		6								174	26		206	87.2	
	Blue-winged Teal													0	0.0	
	Brant										30			30	21.4	**
	Canada Goose										13			13	12.8	**
	Canvasback													0	0.0	
	Goldeneye													0	0.0	
	Greater White-fronted Goose													0	0.0	
	Green-winged Teal													0	0.0	
	Long-tailed Duck													0	0.0	
	Mallard										13			13	12.8	**
	Pintail													0	0.0	
	Ring-necked Duck													0	0.0	
	Scaup													0	0.0	
	Shoveller													0	0.0	
	Snow Goose										16			16	15.3	**
	Tundra Swan										26			26	19.2	**
	Wigeon													0	0.0	
	Duck sp.													0	0.0	
	Goose sp.													0	0.0	

** Indicates coefficient of variation is greater than 33.3%.

Tsiigehtchic-Year 6 Recall Period		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 6
Months of recall	1	60%	67%	36%	87%	100%	75%	0%	100%	0%	0%	83%	0%	55%
	2	33%	0%	64%	7%	0%	0%	100%	0%	0%	71%	0%	0%	25%
	3	0%	33%	0%	7%	0%	25%	0%	0%	60%	0%	0%	50%	11%
	4	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	0%	1%
	5	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	0%	50%	4%
	6	7%	0%	0%	0%	0%	0%	0%	0%	40%	0%	0%	0%	4%

Tsiigehtchic-Totals by Year Hunter Response	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	All Years
Hunter list	51	54	53	54	56	55	73 ⁵
Hunters interviewed	51	54	53	54	53	51	73 ⁵
Harvested	27	38	41	29	33	33	62 ⁵
Did not want to particiapte	0	0	0	0	3	3	3 ⁵
Response rate	98% ²	98% ²	100% ²	91% ²	91% ²	82% ²	93% ⁴

² Mean monthly response rate.

⁴ Mean annual response rate.

⁵ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the six year study period.

Tsiigehtchic-Total Harvest by Year		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Mean
Big Game	Black Bear	3	2	1		2		1
	Bluenose Caribou	10		6	7	12	4	7
	Dall's Sheep			1				0
	Grizzly Bear					1		0
	Moose	18	8	14	16	16	1	12
	Porcupine Caribou	163	250	202	83	3	46	125
	Woodland Caribou					6		1
Fish	Char		1	1				0
	Chum Salmon				19			3
	Coney	2586	3011	1781	1948	1660	2957	2324
	Crookedback	8565	12289	770	564	981	1608	4130
	Grayling		3	1		1		1
	Herring					362		60
	Jackfish	188	203	62	276	40	223	165
	Lake Trout	64	53	6	128			42
	Loche	14	337	67	102	47	269	139
	Sucker	2	4		16			4
	Walleye			1	3	2	1	1
	Whitefish	10647	12955	14234	7801	8216	12708	11094
	Fish sp.	1071	939			3	129	357
Fur Bearer	Beaver	38	26	32	11	25	30	27
	Ermine		7					1
	Lynx	2	14	2	5	1		4
	Marten	346	491	255	16	129	83	220
	Mink	5	4	18	1	2		5
	Muskrat	162	528	25		4		120
	Otter							0
	Red Fox	15	11	12		10	7	9
	White Fox							0
	Wolf	2	1			1		1
	Wolverine	7	3	3	1			2
Marine Mammal	Beluga Whale							0
	Ringed Seal							0
Small Game	Ground Squirrel			1				0
	Grouse		25	10	31		4	12
	Porcupine							0
	Ptarmigan				4	114	16	22
	Snowshoe Hare	137	191	279	50	221	26	151
Waterfowl	Black Duck	199	92	235	17	81	206	138
	Blue-winged Teal							0
	Brant						30	5
	Canada Goose	70		1	28		13	19
	Canvasback	4						1
	Goldeneye							0
	Greater White-fronted Goose							0
	Green-winged Teal							0
	Long-tailed Duck	25						4
	Mallard	6		2	13	7	13	7
	Pintail							0
	Ring-necked Duck							0
	Scaup							0
	Shoveller							0
	Snow Goose	90				12	16	20
	Tundra Swan	36	74	13	10	39	26	33
	Wigeon					6		1
	Duck sp.	10	99	75				31
	Goose sp.	30	129	58		104		54

Tsiigehtchic-Recall Period by Year		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	All Years
Months of recall	1	80%	76%	69%	69%	37%	55%	66%
	2	11%	18%	24%	18%	17%	25%	19%
	3	1%	5%	3%	6%	18%	11%	7%
	4	2%	0%	2%	2%	12%	1%	3%
	5	4%	1%	2%	0%	12%	4%	3%
	6	2%	1%	0%	5%	4%	4%	2%

Gwich'in Settlement Area-Year 1
Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 1
Hunter list	355	344	339	336	335	330	321	325	324	328	322	327	385 ¹
Hunters interviewed	337	323	312	298	299	297	295	299	304	314	303	307	379 ¹
Harvested	64	59	69	45	34	64	40	59	51	55	43	36	207 ¹
Did not want to particiapte	4	4	4	4	4	4	6	6	6	6	6	6	6 ¹
Response rate	95%	94%	92%	89%	89%	90%	92%	92%	94%	96%	94%	94%	93% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.
² Mean monthly response rate.

**Gwich'in Settlement Area-Year 1
Total Harvest**

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear	1	2								2		1	6	0.8	
	Bluenose Caribou	2	25	15	12		31	16	10	15	7			135	19.9	
	Dall's Sheep		1											1	0.5	
	Grizzly Bear									1	1			2	0.9	
	Moose	10	11	4		5	4	3	2	1	1		1	43	3.4	
	Porcupine Caribou	96	117	199	89	163	368	170	377	287	20	9	11	1906	89.8	
	Woodland Caribou													0	0.0	
Fish	Char	791	331											1122	234.8	
	Chum Salmon													0	0.0	
	Coney	610	960	1907	57				35	7	8	443	1738	5765	699.9	
	Crookedback	886	1600	7837	34						10	54	582	11004	2524.0	
	Grayling													0	0.0	
	Herring			5833										5833	1963.7	
	Jackfish	216	71	102					8		23	98	144	661	76.3	
	Lake Trout			97						24		2	2	125	38.8	
	Loche	5	3	411	190				2		2	3	1	617	100.9	
	Sucker												2	2	0.9	
	Walleye													0	0.0	
	Whitefish	3786	6422	10409	685				2		20	932	2680	24937	1916.2	
	Fish sp.			1071										1071	542.2	
Fur Bearer	Beaver	2					1	1	13	1	90	41		150	17.9	
	Ermine													0	0.0	
	Lynx				1	1	13	18	9					42	13.5	
	Marten			10	219	142	126	93	5					594	58.4	
	Mink				15	16	53	2						86	21.2	
	Muskrat								364	337	690	199		1590	172.7	
	Otter				2									2	0.7	
	Red Fox			1	13	23	36	22	1					97	18.1	
	White Fox													0	0.0	
	Wolf					6	6	12	1	3				29	5.9	
	Wolverine				4	10	2	1						18	2.3	
Marine Mammal	Beluga Whale	1											1	2	0.4	
Small Game	Ground Squirrel												4	4	2.6	
	Grouse	2	65	22					4		3		2	99	46.5	
	Porcupine													0	0.0	
	Ptarmigan		33											33	22.7	**
	Snowshoe Hare	11	251	129	159	20	21	43	3		114			752	97.4	
Waterfowl	Black Duck	36	71								215	226	13	560	54.6	
	Blue-winged Teal											5		5	2.9	
	Canada Goose	5	8							1	85			99	5.7	
	Canvasback										54	11		65	14.3	
	Goldeneye										18	4		22	4.4	
	Greater White-fronted Goose	4	1							8	72			86	11.2	
	Green-winged Teal											8		8	4.0	
	Long-tailed Duck									8	10	15		34	5.6	
	Mallard	30	58						4		46	21		159	27.3	
	Pintail										5	9		14	5.0	
	Ring-necked Duck											3		3	1.7	
	Scaup													0	0.0	
	Shoveller											10		10	5.2	
	Snow Goose	8	42							2	152	1		206	31.1	
	Tundra Swan	8	17								61	9		95	13.0	
	Wigeon		3								38	2		44	9.8	
	Duck sp.										146	116		261	38.1	
	Goose sp.										208	50	11	269	57.0	

** Indicates coefficient of variation is greater than 33.3%.

Gwich'in Settlement Area-Year 1
Recall Period

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 1
Months of recall	1	84%	71%	88%	89%	79%	81%	45%	63%	47%	65%	40%	53%	69%
	2	3%	12%	10%	2%	3%	3%	13%	8%	41%	5%	28%	33%	13%
	3	3%	15%	0%	2%	0%	2%	15%	25%	2%	16%	14%	11%	9%
	4	9%	2%	1%	2%	3%	3%	28%	2%	6%	5%	9%	3%	6%
	5	0%	0%	0%	0%	6%	9%	0%	0%	0%	4%	9%	0%	2%
	6	0%	0%	0%	4%	9%	2%	0%	2%	4%	4%	0%	0%	2%

**Gwich'in Settlement Area-Year 1
Number of Hunters Harvesting
Each Species**

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year ⁶
Big Game	Black Bear	1	1								2		1	5
	Bluenose Caribou	1	3	3	3		3	4	1	3	3			14
	Dall's Sheep		1											1
	Grizzly Bear									1	1			2
	Moose	9	8	3		3	3	3	2	1	1		1	25
	Porcupine Caribou	24	21	34	14	19	46	29	48	41	4	2	4	135
Fish	Char	5	2											5
	Coney	13	12	13	3				1	1	1	16	20	46
	Crookedback	9	8	11	1						1	2	6	24
	Herring			4										4
	Jackfish	7	5	8					1		3	6	9	24
	Lake Trout			2						1		1	1	4
	Loche	1	1	15	8				1		1	1	1	26
	Sucker												1	1
	Whitefish	23	17	33	8				1		2	18	25	74
	Fish sp.			1										1
Furbearers	Beaver	1					1	1	3	1	17	8		25
	Lynx				1	1	4	3	2					7
	Marten			1	9	9	8	6	1					19
	Mink				6	6	7	1						15
	Muskrat								7	5	11	4		19
	Otter				1									1
	Red Fox			1	7	5	7	4	1					16
	Wolf					2	2	3	1	1				5
	Wolverine				2	3	1	1						6
Marine Mammals	Beluga Whale	1											1	2
Small Game	Ground Squirrel												1	1
	Grouse	1	1	1					1		1		1	5
	Ptarmigan		1											1
	Snowshoe Hare	1	7	3	7	3	3	3	1		2			22
Waterfowl	Black Duck	2	5								15	8	1	27
	Blue-winged Teal											1		1
	Canada Goose	1	2							1	6			10
	Canvasback										3	2		5
	Goldeneye										3	1		4
	Greater White-fronted Goose	1	1							1	7			10
	Green-winged Teal											1		1
	Long-tailed Duck									1	1	1		2
	Mallard	4	5						1		6	3		16
	Pintail										1	1		2
	Ring-necked Duck											1		1
	Shoveller											1		1
	Snow Goose	1	1							1	12	1		13
	Tundra Swan	2	1								12	4		16
	Wigeon		1								3	1		5
	Duck sp.										12	5		16
	Goose sp.										10	6	1	16

⁶ Some hunters may have harvested in more than one month but are only counted once for the year.

Gwich'in Settlement Area-Year 2
Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 2
Hunter list	326	329	330	328	330	309	312	310	309	306	308	300	357 ¹
Hunters interviewed	308	305	298	294	288	291	291	294	292	293	298	292	349 ¹
Harvested	58	77	66	38	45	35	51	59	52	57	41	41	194 ¹
Did not want to particiapte	6	6	7	7	6	6	6	6	6	5	6	6	8 ¹
Response rate	94%	93%	90%	90%	87%	94%	93%	95%	94%	96%	97%	97%	93% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.
² Mean monthly response rate.

Gwich'in Settlement Area-Year 2
Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME
Big Game	Black Bear		1								1		1	3	0.6
	Bluenose Caribou		2	6	13	9	11	2	35		5			84	16.0
	Dall's Sheep													0	0.0
	Grizzly Bear	1												1	0.6
	Moose	5	7	3	1	2	3	1	4					28	3.6
	Porcupine Caribou	68	205	126	52	164	124	352	285	260			2	1638	73.6
	Woodland Caribou													0	0.0
Fish	Char	1228	249	139								12	104	1732	311.5
	Chum Salmon													0	0.0
	Coney	1401	1097	1351	94						33	261	1129	5366	269.4
	Crookedback	865	985	10930	953						21		238	13993	465.3
	Grayling												3	3	0.0
	Herring			5075										5075	1206.2
	Jackfish	274	223	178	27						42	4	221	968	129.9
	Lake Trout				49	26				3	21	10		110	24.9
	Loche	3	50	848	193	52					21			1167	266.0
	Sucker			4										4	0.0
	Walleye													0	0.0
	Whitefish	4037	5639	13507	1751						172	1124	1471	27701	1569.3
	Fish sp.			930						9		565	1231	2735	238.7
Fur Bearer	Beaver			1					8	35	69	27	3	144	13.3
	Ermine			3	9	9			3					24	7.4
	Lynx				18	27	22	20	8					95	15.8
	Marten				224	382	241	101	3					951	105.3
	Mink				32	28	5	16						82	17.2
	Muskrat								866	1361	1884	467		4577	410.2
	Red Fox				20	16	13		1					50	7.9
	White Fox				1	1								2	0.9
	Wolf					2	2		4	1				10	2.2
	Wolverine					1	3							4	0.9
Marine Mammal	Beluga Whale												1	1	0.3
Small Game	Ground Squirrel													0	0.0
	Grouse		7		18	4			9					38	8.6
	Porcupine			6										6	1.4
	Ptarmigan			24	28	23		1						76	28.4
	Snowshoe Hare	31	30	166	114	135	102	85	132	54	1	0	0	851	99.0
Waterfowl	Black Duck	11	9	16						39	408	103	26	612	51.1
	Blue-winged Teal	6												6	3.4
	Canada Goose	4	3								10			17	3.8
	Canvasback	3									2			5	1.9
	Goldeneye													0	0.0
	Greater White-fronted Goose		2								70			72	20.5
	Green-winged Teal	2												2	1.1
	Long-tailed Duck													0	0.0
	Mallard	39	17							5	49	71	10	192	23.1
	Pintail	15									28			43	12.8
	Ring-necked Duck													0	0.0
	Scaup	17	1											18	6.6
	Shoveller	9												9	4.6
	Snow Goose		3								165			168	76.0
	Tundra Swan	3	4								84	2		94	19.0
	Wigeon										9			9	3.1
	Duck sp.	38	21							15	157	50	6	288	26.4
	Goose sp.	59	23								143	35		259	31.8

Gwich'in Settlement Area-Year 2
Recall Period

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 2
Months of recall	1	62%	58%	77%	68%	73%	51%	49%	44%	27%	89%	76%	73%	62%
	2	19%	25%	6%	13%	16%	11%	18%	7%	56%	5%	10%	20%	17%
	3	9%	5%	14%	11%	4%	9%	0%	37%	13%	4%	7%	2%	10%
	4	2%	8%	3%	8%	2%	0%	22%	8%	2%	0%	2%	0%	5%
	5	3%	3%	0%	0%	0%	29%	10%	2%	2%	2%	0%	5%	4%
	6	5%	1%	0%	0%	4%	0%	2%	2%	0%	0%	5%	0%	2%

**Gwich'in Settlement Area-Year 2
Number of Hunters Harvesting
Each Species**

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year ⁶
Big Game	Black Bear		1								1		1	2
	Bluenose Caribou		1	2	2	1	1	1	3		1			8
	Grizzly Bear	1												1
	Moose	4	5	2	1	2	2	1	4					17
	Porcupine Caribou	18	38	18	10	19	17	40	38	32			2	119
Fish	Char	7	3	1								1	1	11
	Coney	19	20	16	4						2	9	20	52
	Crookedback	9	13	22	7						1		4	40
	Grayling												2	2
	Herring			1										1
	Jackfish	9	6	7	1						2	2	3	20
	Lake Trout				2	1				1	1	1		4
	Loche	1	7	19	4	1					1			27
	Sucker			1										1
	Whitefish	29	32	40	10						8	20	28	88
	Fish sp.			3						1		4	7	12
Furbearers	Beaver			1					3	7	18	9	1	32
	Ermine			1	2	2			1					4
	Lynx				4	7	10	4	4					16
	Marten				12	15	12	7	1					26
	Mink				6	9	3	4						17
	Muskrat								7	17	20	5		35
	Red Fox				5	9	3		1					16
	White Fox				1	1								2
	Wolf					1	2		3	1				5
	Wolverine					1	3							3
Marine Mammals	Beluga Whale												1	1
Small Game	Grouse		1		2	1			1					4
	Porcupine			1										1
	Ptarmigan			1	2	1		1						2
	Snowshoe Hare	3	2	7	3	3	4	6	7	1	1			20
Waterfowl	Black Duck	1	1	1						1	25	8	3	34
	Blue-winged Teal	1												1
	Canada Goose	2	1								3			5
	Canvasback	1									1			2
	Greater White-fronted Goose		1								5			6
	Green-winged Teal	1												1
	Mallard	5	1							1	7	2	1	13
	Pintail	2									2			4
	Scaup	2	1											3
	Shoveller	1												1
	Snow Goose		1								3			4
	Tundra Swan	1	1								7	2		9
	Wigeon										2			2
	Duck sp.	4	1							1	8	5	1	19
	Goose sp.	4	4								8	2		15

⁶ Some hunters may have harvested in more than one month but are only counted once for the year.

Gwich'in Settlement Area-Year 3
Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 3
Hunter list	297	295	296	294	294	299	294	295	297	296	296	298	324 ¹
Hunters interviewed	285	277	272	277	272	278	272	274	276	270	272	267	316 ¹
Harvested	68	44	90	64	41	60	63	44	47	66	35	40	200 ¹
Did not want to particiapte	7	8	10	10	10	10	14	14	13	14	14	14	15 ¹
Response rate	96%	94%	92%	94%	93%	93%	93%	93%	93%	91%	92%	90%	93% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.

² Mean monthly response rate.

**Gwich'in Settlement Area-Year 3
Total Harvest**

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear	1	1								3	1	1	8	1.9	
	Bluenose Caribou			4	86	13	17	19		14				153	19.7	
	Dall's Sheep	1								1				2	0.6	
	Grizzly Bear													0	0.0	
	Moose	6	12			8	8	2	3	2			2	44	4.5	
	Porcupine Caribou	120	41	414	159	143	463	537	217	111				2206	240.9	
	Woodland Caribou													0	0.0	
Fish	Char	1257	34	29									173	1492	321.0	
	Chum Salmon			2										2	1.5	**
	Coney	404	229	859	324		34	11	10	11	26	250	2005	4162	303.4	
	Crookedback	361	754	410	108		215	43			7	10	23	1930	207.5	
	Grayling	1											58	59	41.0	**
	Herring			2131										2131	1036.2	
	Jackfish	8	362	258	46	75	11	6		3	1	7	29	806	183.0	
	Lake Trout	143							2			23		168	74.2	
	Loche	6	194	622	719	49	1	5	13		2			1611	309.5	
	Sucker													0	0.0	
	Walleye	1												1	0.0	
	Whitefish	4510	7297	12120	3096	415	5	7	14	16	558	2420	3522	33980	1806.5	
	Fish sp.	1318	2287	1146	917		27					206	422	6323	826.8	
Fur Bearer	Beaver	6			1					31	44	34		117	15.8	
	Ermine													0	0.0	
	Lynx				3	8	23	31	4					70	16.9	
	Marten				600	254	159	102	29					1145	119.7	
	Mink				14	21	26	14						74	9.5	
	Muskrat								609	2278	1459	1267		5614	695.9	
	Red Fox				15	14	41	41						111	22.5	
	White Fox													0	0.0	
	Wolf				2	3	3							9	2.1	
	Wolverine				2	2	3	1						8	1.5	
Marine Mammal	Beluga Whale													0	0.0	
	Ringed Seal												2	2	0.8	
Small Game	Ground Squirrel		1											1	0.0	
	Grouse		7	19	10				6	10				53	9.5	
	Porcupine												2	2	1.6	**
	Ptarmigan			22	29	2		6		7				65	12.8	
	Snowshoe Hare	21	39	16	431	80	118	103	53	65	5		6	936	152.3	
		23	30							11	562	221	15	863	122.2	
Waterfowl	Black Duck	23	30													
	Blue-winged Teal													0	0.0	
	Canada Goose	14	19							1	113			147	19.4	
	Canvasback										9			9	7.0	**
	Goldeneye													0	0.0	
	Greater White-fronted Goose		3								45			48	21.8	
	Green-winged Teal										6			6	5.0	**
	Long-tailed Duck													0	0.0	
	Mallard		3							32	102	5		142	17.7	
	Pintail										13			13	10.1	**
	Ring-necked Duck													0	0.0	
	Scaup													0	0.0	
	Shoveller													0	0.0	
	Snow Goose										334			334	276.4	**
	Tundra Swan		14								48			61	17.1	
	Wigeon		2								9			11	3.1	
	Duck sp.	33	31							5	133	45		247	45.3	
	Goose sp.	18	4							13	75	2		113	13.8	

** Indicates coefficient of variation is greater than 33.3%.

Gwich'in Settlement Area-Year 3
Recall Period

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 3
Months of recall	1	85%	48%	73%	78%	56%	58%	86%	52%	47%	82%	63%	63%	68%
	2	10%	27%	20%	13%	20%	35%	5%	36%	32%	11%	17%	13%	19%
	3	0%	16%	1%	6%	20%	0%	2%	5%	9%	3%	3%	23%	6%
	4	4%	5%	3%	3%	0%	2%	5%	7%	2%	0%	14%	3%	4%
	5	0%	2%	2%	0%	0%	2%	3%	0%	0%	5%	3%	0%	2%
	6	0%	2%	0%	0%	5%	3%	0%	0%	11%	0%	0%	0%	2%

**Gwich'in Settlement Area-Year 3
Number of Hunters Harvesting
Each Species**

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year ³
Big Game	Black Bear	1	1								3	1	1	7
	Bluenose Caribou			1	8	2	3	4		3				13
	Dall's Sheep	1								1				2
	Moose	3	6			4	4	2	2	2			2	20
	Porcupine Caribou	20	14	49	26	19	33	41	26	12				116
Fish	Char	8	2	2									1	11
	Chum Salmon			1										1
	Coney	15	7	9	3		1	1	1	1	3	9	25	50
	Crookedback	6	4	7	2		1	1			1	1	2	14
	Grayling	1											1	2
	Herring			1										1
	Jackfish	3	4	3	2	1	1	2		1	1	2	2	14
	Lake Trout	2							1			1		3
	Loche	2	4	13	8	2	1	1	1		1			26
	Walleye	1												1
	Whitefish	32	16	35	11	2	1	1	1	1	12	16	26	80
	Fish sp.	6	7	7	5		1					1	3	15
	Furbearers	2			1					7	14	8		26
	Lynx				2	2	7	2	3					10
	Marten				19	14	14	7	1					30
	Mink				5	6	5	4						14
	Muskrat								7	15	18	7		34
	Red Fox				9	4	5	4						19
	Wolf				1	2	2							3
	Wolverine				2	2	2	1						3
Marine Mammals	Ringed Seal												1	1
Small Game	Ground Squirrel		1											1
	Grouse		2	2	1				1	2				7
	Porcupine												1	1
	Ptarmigan			2	2	1		2		1				4
	Snowshoe Hare	1	4	2	7	4	8	10	6	11	1		2	31
Waterfowl	Black Duck	3	5							1	26	6	2	31
	Canada Goose	1	2							1	7			10
	Canvasback										1			1
	Greater White-fronted Goose		2								3			4
	Green-winged Teal										1			1
	Mallard		1							2	11	1		14
	Pintail										2			2
	Snow Goose										1			1
	Tundra Swan		2								5			7
	Wigeon		1								2			3
	Duck sp.	4	1							1	5	5		14
	Goose sp.	2	1							1	6	1		11

³ Some hunters may have harvested in more than one month but are only counted once for the year.

Gwich'in Settlement Area-Year 4
Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 4
Hunter list	294	294	297	295	295	294	295	296	298	301	300	301	312 ¹
Hunters interviewed	261	265	268	262	260	268	271	266	271	274	252	269	294 ¹
Harvested	50	48	79	52	22	28	23	31	48	54	28	28	179 ¹
Did not want to particiapte	15	16	16	17	17	18	18	18	18	18	18	17	18 ¹
Response rate	89%	90%	90%	89%	88%	91%	92%	90%	91%	91%	84%	89%	90% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.
² Mean monthly response rate.

Gwich'in Settlement Area-Year 4
Total Harvest

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear	1												1	0.9	**
	Bluenose Caribou			8	24	12	22	21	3	3	3	5		102	13.1	
	Dall's Sheep		5											5	3.4	**
	Grizzly Bear													1	0.4	
	Moose	11	20	1	2	1	7	3	4	4	1			55	5.5	
	Porcupine Caribou	35	100	409	52	52	71	42	89	222	16	4		1093	77.7	
	Woodland Caribou					5								5	3.2	
Fish	Char	2465	348										211	3024	656.2	
	Chum Salmon	30	20	11										60	15.9	
	Coney	1023	701	1150	54	21					21	457	1707	5133	642.5	
	Crookedback	165	26	625	54					141		38	113	1161	188.2	
	Grayling	12												12	8.7	**
	Herring		528	3627										4155	1177.9	
	Jackfish	189	352	530	110					28	105	113	128	1556	243.5	
	Lake Trout	1		55						73	16	27		172	51.1	
	Loche		5	877	601									1483	352.3	
	Sucker	11	5											16	5.4	
	Walleye	3	2											6	2.3	
	Whitefish	3829	1748	6462	3056			35	11	257	160	1583	3006	20147	1402.5	
	Fish sp.	58	174	450										682	290.3	
Fur Bearer	Beaver	1	4						9	3	45	26	1	89	14.2	
	Ermine			1										1	1.0	**
	Lynx				5	35	22	20	5	1				88	14.1	
	Marten				99	67	25	2						193	32.0	
	Mink				14	21	11	2						48	9.3	
	Muskrat								324	1402	2201	233		4159	504.9	
	Red Fox				5	21		3	1					30	6.4	
	White Fox													0	0.0	
	Wolf							2						2	1.2	
	Wolverine				1	4	1	1	2	1				11	2.7	
Marine Mammal	Beluga Whale												2	2	1.4	
Small Game	Ground Squirrel													0	0.0	
	Grouse	11	23			3					17			54	21.4	
	Porcupine	5									1			6	2.8	
	Ptarmigan				117	4		22	44					187	65.4	
	Snowshoe Hare	15	40	208	130	65	116	108	287	128	83			1180	136.0	
Waterfowl	Black Duck	47	28	14						11	230	123		452	66.3	
	Blue-winged Teal													0	0.0	
	Canada Goose	12	2								142	24		180	39.5	
	Canvasback											7		7	3.6	
	Goldeneye													0	0.0	
	Greater White-fronted Goose										157	4		161	38.0	
	Green-winged Teal													0	0.0	
	Long-tailed Duck			11										11	8.2	**
	Mallard	18	7							11	97	58		191	29.4	
	Pintail										11	3		14	3.4	
	Ring-necked Duck													0	0.0	
	Scaup													0	0.0	
	Shoveller													0	0.0	
	Snow Goose										119	217		336	123.3	
	Tundra Swan										67	2		69	21.8	
	Wigeon									11	26	30		67	15.6	
	Duck sp.		8							4	171	17		201	45.0	
	Goose sp.									39	36			75	16.9	

** Indicates coefficient of variation is greater than 33.3%.

Gwich'in Settlement Area-Year 4 Recall Period

[illegible]

**Gwich'in Settlement Area-Year 4
Number of Hunters Harvesting
Each Species**

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year ⁶
Big Game	Black Bear	1												1
	Bluenose Caribou			2	5	1	4	4	1	1	1	1		13
	Dall's Sheep		1											1
	Grizzly Bear									1				1
	Moose	7	15	1	2	1	5	3	3	3	1			31
	Porcupine Caribou	7	13	47	11	8	11	6	11	25	4	2		80
	Woodland Caribou					1								1
Fish	Char	9	1										1	10
	Chum Salmon	5	3	2										8
	Coney	13	10	8	1	1					1	14	17	42
	Crookedback	4	1	6	1					1		3	5	13
	Grayling	1												1
	Herring		1	2										3
	Jackfish	8	7	7	2					1	1	7	9	24
	Lake Trout	1		1						1	1	1		4
	Loche		1	9	9									18
	Sucker	1	1											2
	Walleye	1	1											2
	Whitefish	25	16	26	15			1	1	2	7	20	25	67
	Fish sp.	1	2	2										3
Furbearers	Beaver	1	2						1	2	13	7	1	24
	Ermine				1									1
	Lynx				3	5	8	5	1	1				16
	Marten				7	6	6	2						16
	Mink				3	7	3	1						10
	Muskrat								6	12	18	3		26
	Red Fox				4	3		2	1					9
	Wolf							1						1
	Wolverine				1	2	1	1	1	1				6
Marine Mammals	Beluga Whale												1	1
Small Game	Grouse	1	1			1					1			3
	Porcupine	2									1			3
	Ptarmigan				3	1		1	1					5
	Snowshoe Hare	2	4	7	8	3	3	6	11	8	4			24
Waterfowl	Black Duck	1	2	1						1	14	8		23
	Canada Goose	2	1								9	2		10
	Canvasback											1		1
	Greater White-fronted Goose										7	1		8
	Long-tailed Duck			1										1
	Mallard	2	1							1	10	7		16
	Pintail										3	1		3
	Snow Goose										5	1		5
	Tundra Swan										10	1		10
	Wigeon									1	5	2		6
	Duck sp.		1							1	9	1		12
	Goose sp.									2	4			6

⁶ Some hunters may have harvested in more than one month but are only counted once for the year.

Gwich'in Settlement Area-Year 5 Hunter Response	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 5
Hunter list	296	296	296	294	290	293	292	290	290	290	287	287	301 ¹
Hunters interviewed	265	267	267	264	264	261	263	260	264	263	258	210	280 ¹
Harvested	49	61	58	30	18	18	29	17	19	55	40	31	151 ¹
Did not want to particiapte	17	17	18	18	19	20	20	20	20	20	21	21	21 ¹
Response rate	90%	90%	90%	90%	91%	89%	90%	90%	91%	91%	90%	73%	89% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.

² Mean monthly response rate.

**Gwich'in Settlement Area-Year 5
Total Harvest**

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear										2	1	1	5	1.4	
	Bluenose Caribou		8	2	15	14	22	42	20		4			128	29.0	
	Dall's Sheep	1												1	0.4	
	Grizzly Bear									1				1	0.5	
	Moose	2	7	3		1	11	18	9	1	1		1	55	7.2	
	Porcupine Caribou	28	154	149	16	6	30	14	3	31	20			452	43.0	
	Woodland Caribou			6										6	4.1	**
Fish	Char	725	131											857	316.3	
	Chum Salmon													0	0.0	
	Coney	988	582	942	463		31	6				460	1419	4891	558.3	
	Crookedback	401	1017	1583	925							203	113	4243	709.0	
	Grayling	1												1	1.0	**
	Herring			1713									275	1988	571.9	
	Jackfish	71	147	279	10							262	269	1038	119.4	
	Lake Trout	27			2					29			24	81	20.9	
	Loche		68	229	33							17	16	362	72.9	
	Sucker		2									34		36	22.2	
	Walleye											2	3	5	1.7	
	Whitefish	4505	3454	7527	2877			111		19	118	1217	2050	21879	1492.7	
	Fish sp.												8	8	3.4	
Fur Bearer	Beaver								5	5	34	41	4	90	11.2	
	Ermine				1		3	2						7	2.9	
	Lynx				6	18	11	13						49	14.8	
	Marten				88	157	45	67						357	62.1	
	Mink				28	39	5	31	1					104	20.5	
	Muskrat									1		4		5	2.0	
	Red Fox				32	1	9	18	2					62	19.2	
	White Fox													0	0.0	
	Wolf				9	1			2	3				15	4.9	
	Wolverine				4			4	5					13	4.0	
Marine Mammal	Beluga Whale													0	0.0	
Small Game	Ground Squirrel						2	2						5	2.6	
	Grouse			3	2					12				17	8.6	
	Porcupine									1				1	0.8	**
	Ptarmigan			3	4	2	2	123	1	17				153	59.8	
	Snowshoe Hare	26	59	199	90	92	80	308	170	94	29	1		1149	128.6	
	Black Duck	9	22	26							719	167	59	1002	127.1	
Waterfowl	Blue-winged Teal													0	0.0	
	Canada Goose	43	12								191			246	48.3	
	Canvasback		5											5	2.4	
	Goldeneye	35	26											61	22.5	
	Greater White-fronted Goose		1								35			36	16.7	
	Green-winged Teal													0	0.0	
	Long-tailed Duck													0	0.0	
	Mallard	21		6						7	31	3		69	12.5	
	Pintail										7			7	3.6	
	Ring-necked Duck													0	0.0	
	Scaup		34											34	15.2	
	Shoveller													0	0.0	
	Snow Goose									10	270	73		352	71.8	
	Tundra Swan		2							4	65			71	15.3	
	Wigeon		32								36	11		79	17.2	
	Duck sp.													0	0.0	
	Goose sp.										104			104	40.4	

** Indicates coefficient of variation is greater than 33.3%.

Gwich'in Settlement Area-Year 5
Recall Period

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 5
Months of recall	1	43%	48%	67%	60%	83%	94%	83%	53%	37%	80%	88%	71%	66%
	2	22%	28%	9%	33%	6%	0%	7%	6%	47%	15%	5%	10%	16%
	3	8%	3%	22%	7%	0%	0%	0%	29%	11%	4%	3%	10%	8%
	4	2%	16%	2%	0%	0%	0%	7%	12%	5%	2%	3%	10%	5%
	5	18%	5%	0%	0%	0%	6%	0%	0%	0%	0%	3%	0%	3%
	6	6%	0%	0%	0%	11%	0%	3%	0%	0%	0%	0%	0%	1%

Gwich'in Settlement Area-Year 5 Number of Hunters Harvesting Each Species

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year ⁶
Big Game	Black Bear										2	1	1	4
	Bluenose Caribou		1	1	5	5	3	4	1		1			14
	Dall's Sheep	1												1
	Grizzly Bear									1				1
	Moose	2	5	3		1	4	9	6	1	1		1	26
	Porcupine Caribou	10	27	15	1	1	2	2	1	8	5			53
	Woodland Caribou				1									1
Fish	Char	4	2											5
	Coney	15	14	12	2		1	1				15	24	52
	Crookedback	5	7	6	5							5	8	23
	Grayling	1												1
	Herring			3									3	6
	Jackfish	6	6	7	1							11	14	26
	Lake Trout	1			1					1			3	4
	Loche		2	5	2							3	2	12
	Sucker		1									1		2
	Walleye											1	2	3
	Whitefish	31	27	37	13			1		2	2	24	29	77
	Fish sp.												2	2
Furbearers	Beaver								3	1	14	12	3	28
	Ermine				1		1	2						3
	Lynx				3	3	1	4						7
	Marten				6	7	5	4						13
	Mink				5	3	2	5	1					10
	Muskrat									1		2		3
	Red Fox				4	1	2	3	1					7
	Wolf				2	1			1	1				3
	Wolverine				2			2	2					3
Small Game	Ground Squirrel						1	1						1
	Grouse			1	1					1				2
	Porcupine									1				1
	Ptarmigan			1	1	1	1	3	1	3				8
	Snowshoe Hare	2	2	6	5	3	5	12	7	5	3	1		28
Waterfowl	Black Duck	1	2	1							26	7	2	32
	Canada Goose	1	3								10			12
	Canvasback		1											1
	Goldeneye	1	1											1
	Greater White-fronted Goose		1								3			3
	Mallard	1		1						1	4	1		7
	Pintail										2			2
	Scaup		1											1
	Snow Goose									2	16	1		17
	Tundra Swan		1							1	8			10
	Wigeon		1								6	1		7
	Goose sp.										1			1

⁶ Some hunters may have harvested in more than one month but are only counted once for the year.

Gwich'in Settlement Area-Year 6
Hunter Response

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 6
Hunter list	287	285	280	283	279	278	275	274	268	258	254	222	291 ¹
Hunters interviewed	247	198	200	249	249	242	236	237	219	215	205	181	267 ¹
Harvested	54	87	52	41	14	17	22	20	46	42	24	22	152 ¹
Did not want to particiapte	21	21	22	26	26	26	26	26	26	27	26	26	27 ¹
Response rate	86%	69%	71%	88%	89%	87%	86%	86%	82%	83%	81%	82%	83% ²

¹ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the year.
² Mean monthly response rate.

**Gwich'in Settlement Area-Year 6
Total Harvest**

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total	± ME	CV
Big Game	Black Bear													0	0.0	
	Bluenose Caribou		13		2	7								22	9.9	
	Dall's Sheep													0	0.0	
	Grizzly Bear													0	0.0	
	Moose	3	10	1	1	2		3	7	2	2			33	5.1	
	Porcupine Caribou	44	756	204	79	33	101	138	155	506	24		14	2054	167.6	
	Woodland Caribou													0	0.0	
Fish	Char	225	935											1160	412.4	
	Chum Salmon			3										3	2.0	**
	Coney	1444	1941	225	130	35					18	684	1795	6272	1062.3	
	Crookedback	1060	643	1295	117							72	385	3572	559.5	
	Grayling													0	0.0	
	Herring	234	68										62	364	154.8	
	Jackfish	421	254	114	65	12						118	300	1284	180.4	
	Lake Trout	79	142							5	19	21	20	287	117.8	
	Loche	27	198	288	829								25	1366	216.5	
	Sucker				2								15	17	10.1	
	Walleye	2												2	1.2	
	Whitefish	5629	8541	9049	4348	140					91	680	2073	30551	3034.7	
	Fish sp.											129		129	118.8	**
Fur Bearer	Beaver	5							2		69	6		83	21.6	
	Ermine													0	0.0	
	Lynx				1	7	11	18	5					42	14.1	
	Marten				182	52	67	52						354	87.5	
	Mink				3	2	2							8	2.8	
	Muskrat										14			14	8.3	
	Red Fox				10	6								15	4.1	
	White Fox													0	0.0	
	Wolf				5		1	1						7	3.9	
	Wolverine				5	2	2	1						11	4.2	
Marine Mammal	Beluga Whale													0	0.0	
Small Game	Ground Squirrel													0	0.0	
	Grouse								4					4	2.6	**
	Porcupine										1			1	1.0	**
	Ptarmigan			15	6	5	9	7						41	11.0	
	Snowshoe Hare	5	7	155	66	6	13	28		32	2			315	61.7	
Waterfowl	Black Duck		95								582	112	25	815	163.5	
	Blue-winged Teal													0	0.0	
	Brant										30			30	21.4	**
	Canada Goose	1	3								77			81	36.8	
	Canvasback													0	0.0	
	Goldeneye													0	0.0	
	Greater White-fronted Goose										108			108	50.0	
	Green-winged Teal													0	0.0	
	Long-tailed Duck													0	0.0	
	Mallard								7		252			259	103.5	
	Pintail										12			12	7.6	
	Ring-necked Duck													0	0.0	
	Scaup										7			7	5.9	**
	Shoveller													0	0.0	
	Snow Goose		81								140			221	104.2	
	Tundra Swan		1								75			76	35.6	
	Wigeon		28									14		43	25.2	
	Duck sp.													0	0.0	
	Goose sp.										88			88	59.3	**

** Indicates coefficient of variation is greater than 33.3%.

Gwich'in Settlement Area-Year 6 Recall Period

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year 6
Months of recall	1	74%	87%	81%	80%	93%	88%	82%	90%	72%	69%	83%	68%	80%
	2	15%	7%	15%	15%	7%	0%	14%	5%	13%	21%	4%	9%	12%
	3	7%	3%	4%	2%	0%	12%	0%	0%	9%	0%	0%	14%	4%
	4	0%	2%	0%	2%	0%	0%	0%	5%	0%	2%	8%	5%	2%
	5	2%	0%	0%	0%	0%	0%	5%	0%	0%	7%	4%	5%	2%
	6	2%	0%	0%	0%	0%	0%	0%	0%	7%	0%	0%	0%	1%

**Gwich'in Settlement Area-Year 6
Number of Hunters Harvesting
Each Species**

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Year ⁶
Big Game	Bluenose Caribou		1		1	2								4
	Moose	2	7	1	1	1		3	4	2	1			16
	Porcupine Caribou	13	57	22	5	3	9	16	15	40	3		2	87
Fish	Char	3	8											9
	Chum Salmon			1										1
	Coney	26	18	9	8	1					1	13	19	49
	Crookedback	17	8	11	2							2	6	29
	Herring	2	1										1	2
	Jackfish	14	11	8	3	1						7	11	27
	Lake Trout	2	1							1	1	1	1	3
	Loche	6	6	8	14								1	25
	Sucker				1								2	3
	Walleye	2												2
	Whitefish	42	31	35	18	2					2	16	19	75
	Fish sp.											1		1
Furbearers	Beaver	2							1		17	3		21
	Lynx				1	3	3	5	1					7
	Marten				11	7	5	5						13
	Mink				2	2	1							3
	Muskrat										3			3
	Red Fox				5	2								5
	Wolf				1		1	1						3
	Wolverine				2	1	1	1						3
Small Game	Grouse								1					1
	Porcupine										1			1
	Ptarmigan			2	2	1	2	1						6
	Snowshoe Hare	2	2	6	5	1	2	1		4	1			14
Waterfowl	Black Duck		4								25	5	1	30
	Brant										2			2
	Canada Goose	1	1								6			8
	Greater White-fronted Goose										5			5
	Mallard		1								12			13
	Pintail										2			2
	Scaup										1			1
	Snow Goose		1								5			5
	Tundra Swan		1								6			7
	Wigeon		1									1		2
	Goose sp.										3			3

⁶ Some hunters may have harvested in more than one month but are only counted once for the year.

Gwich'in Settlement Area-Totals by
Year Hunter Response

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	All Years
Hunter list	385	357	324	312	301	291	438 ⁵
Hunters interviewed	379	349	316	294	280	267	434 ⁵
Harvested	207	194	200	179	151	152	325 ⁵
Did not want to particiapte	6	8	15	18	21	27	28 ⁵
Response rate	93% ²	93% ²	93% ²	90% ²	89% ²	83% ²	90% ⁴

² Mean monthly response rate.

⁴ Mean annual response rate.

⁵ Hunters on hunter list, interviewed, harvested or did not want to participate at least once during the six year study period.

Gwich'in Settlement Area- Total Harvest by Year		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Mean
Big Game	Black Bear	6	3	8	1	5		4
	Bluenose Caribou	135	84	153	102	128	22	104
	Dall's Sheep	1		2	5	1		1
	Grizzly Bear	2	1		1	1		1
	Moose	43	28	44	55	55	33	43
	Porcupine Caribou	1906	1638	2206	1093	452	2054	1558
	Woodland Caribou				5	6		2
Fish	Char	1122	1732	1492	3024	857	1160	1564
	Chum Salmon			2	60		3	11
	Coney	5765	5366	4162	5133	4891	6272	5265
	Crookedback	11004	13993	1930	1161	4243	3572	5984
	Grayling		3	59	12	1		12
	Herring	5833	5075	2131	4155	1988	364	3258
	Jackfish	661	968	806	1556	1038	1284	1052
	Lake Trout	125	110	168	172	81	287	157
	Loche	617	1167	1611	1483	362	1366	1101
	Sucker	2	4		16	36	17	13
	Walleye			1	6	5	2	2
	Whitefish	24937	27701	33980	20147	21879	30551	26533
	Fish sp.	1071	2735	6323	682	8	129	1825
Fur Bearer	Beaver	150	144	117	89	90	83	112
	Ermine		24		1	7		5
	Lynx	42	95	70	88	49	42	64
	Marten	594	951	1145	193	357	354	599
	Mink	86	82	74	48	104	8	67
	Muskrat	1590	4577	5614	4159	5	14	2660
	Otter	2						
	Red Fox	97	50	111	30	62	15	61
	White Fox		2					
	Wolf	29	10	9	2	15	7	12
	Wolverine	18	4	8	11	13	11	11
Marine Mammal	Beluga Whale	2	1		2			1
	Ringed Seal			2				
Small Game	Ground Squirrel	4		1		5		2
	Grouse	99	38	53	54	17	4	44
	Porcupine	0	6	2	6	1	1	3
	Ptarmigan	33	76	65	187	153	41	93
	Snowshoe Hare	752	851	936	1180	1149	315	864
Waterfowl	Black Duck	560	612	863	452	1002	815	717
	Blue-winged Teal	5	6					2
	Brant						30	5
	Canada Goose	99	17	147	180	246	81	128
	Canvasback	65	5	9	7	5		15
	Goldeneye	22				61		14
	Greater White-fronted Goose	86	72	48	161	36	108	85
	Green-winged Teal	8	2	6				3
	Long-tailed Duck	34			11			7
	Mallard	159	192	142	191	69	259	169
	Pintail	14	43	13	14	7	12	17
	Ring-necked Duck	3						1
	Scaup	0	18			34	7	10
	Shoveller	10	9					3
	Snow Goose	206	168	334	336	352	221	270
	Tundra Swan	95	94	61	69	71	76	78
	Wigeon	44	9	11	67	79	43	42
	Duck sp.	261	288	247	201			166
	Goose sp.	269	259	113	75	104	88	151

Gwich'in Settlement Area-Recall Period by Year		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	All Years
Months of recall	1	69%	62%	68%	69%	66%	80%	69%
	2	13%	17%	19%	19%	16%	12%	16%
	3	9%	10%	6%	7%	8%	4%	7%
	4	6%	5%	4%	3%	5%	2%	4%
	5	2%	4%	2%	2%	3%	2%	2%
	6	2%	2%	2%	1%	1%	1%	1%

**Gwich'in Settlement Area-Totals by Year
Number of Hunters Harvesting
Each Species**

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	All Years ⁷
Big Game	Black Bear	5	2	7	1	4		16
	Bluenose Caribou	14	8	13	13	14	4	36
	Dall's Sheep	1		2	1	1		5
	Grizzly Bear	2	1		1	1		5
	Moose	25	17	20	31	26	16	84
	Porcupine Caribou	135	119	116	80	53	87	210
	Woodland Caribou				1	1		2
Fish	Char	5	11	11	10	5	9	29
	Chum Salmon			1	8		1	8
	Coney	46	52	50	42	52	49	131
	Crookedback	24	40	14	13	23	29	82
	Grayling		2	2	1	1		5
	Herring	4	1	1	3	6	2	13
	Jackfish	24	20	14	24	26	27	73
	Lake Trout	4	4	3	4	4	3	12
	Loche	26	27	26	18	12	25	94
	Sucker	1	1		2	2	3	9
	Walleye			1	2	3	2	6
	Whitefish	74	88	80	67	77	75	176
	Fish sp.	1	12	15	3	2	1	28
Furbearers	Beaver	25	32	26	24	28	21	85
	Ermine		4		1	3		7
	Lynx	7	16	10	16	7	7	36
	Marten	19	26	30	16	13	13	57
	Mink	15	17	14	10	10	3	40
	Muskrat	19	35	34	26	3	3	73
	Otter	1						1
	Red Fox	16	16	19	9	7	5	47
	White Fox		2					2
	Wolf	5	5	3	1	3	3	13
	Wolverine	6	3	3	6	3	3	14
Marine Mammals	Beluga Whale	2	1		1			2
	Ringed Seal			1				1
Small Game	Ground Squirrel	1		1		1		3
	Grouse	5	4	7	3	2	1	17
	Porcupine		1	1	3	1	1	6
	Ptarmigan	1	2	4	5	8	6	17
	Snowshoe Hare	22	20	31	24	28	14	83
Waterfowl	Black Duck	27	34	31	23	32	30	96
	Blue-winged Teal	1	1					1
	Brant						2	2
	Canada Goose	10	5	10	10	12	8	42
	Canvasback	5	2	1	1	1		8
	Goldeneye	4				1		4
	Greater White-fronted Goose	10	6	4	8	3	5	22
	Green-winged Teal	1	1	1				2
	Long-tailed Duck	2			1			3
	Mallard	16	13	14	16	7	13	55
	Pintail	2	4	2	3	2	2	11
	Ring-necked Duck	1						1
	Scaup		3			1	1	5
	Shoveller	1	1					1
	Snow Goose	13	4	1	5	17	5	29
	Tundra Swan	16	9	7	10	10	7	36
	Wigeon	5	2	3	6	7	2	17
	Duck sp.	16	19	14	12			53
	Goose sp.	16	15	11	6	1	3	33

⁷ Some hunters may have harvested in more than one year but are only counted once for all years.



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