



6.3.5 Community Results Discussion: Rankin Inlet

Although data collection in most communities began in July 1996, in Rankin Inlet delays were encountered and data collection began one month late in August 1996. Further problems encountered during data collection resulted in missing data from September 1997 to February 1998. In April 2001, a letter was written to the Nunavut Implementation Panel and cc'ed to the relevant RWOs and HTOs informing them of the missing data. The letter also demonstrated the NWMB's approach to the problem, detailing the use of collected data to estimate for the missing months. The Nunavut Implementation Panel accepted the NWMB's approach to the issue in June 2001. As such, there are no data (n/d) displayed for the months in which no data were collected in Rankin Inlet. In order to estimate the total yearly harvest in years 1 and 2, estimates for the missing months were obtained by calculating the mean harvest for the corresponding months in the four years in which data were collected.

The survey frame:

An assessment of under-enumeration during the community visit indicated that there were very few Inuit hunters who were not registered in the Harvest Study. It is estimated that there were 13 non-Inuit hunters with assigned hunting rights who were not registered – all occasional hunters. As discussed in Section 5.2.1 the effect of this under-enumeration would have led to a downward bias of the harvest estimates. However, the extent of the bias is likely very small since the missing hunters only represent three percent of the total hunter population (Table 10).

Survey coverage and non-response bias:

Response rates were generally very good in the first three years of the study (with the exception of the months in which no data were collected). In the final two years of the study response rates began to fall in some months with rates dropping below 75% in the final months of the study. As seen in Table 9 the consistent intentional non-response rate in Rankin Inlet was high, at 14.8%, resulting in a high potential for non-response bias. Given this and the low response rates in the final two years of the study, the potential for both sampling error and non-response bias is high.

Response rates were felt to be high enough and non-response bias low enough during years 1 to 3 (with the exception of the months in which no data were collected) to ensure that n did in fact constitute a sufficiently representative sample of N hunters. Readers should exercise caution when using the data collected during the last two years of the study.

Measurement issues and response error:

It was reported during the community visit that some hunters did not keep track of the number of eggs harvested. Further details are provided in the community feedback and other sources of data section below. Section 5.4 also contains a thorough discussion of this issue.

As seen in the recall period tables, most months in years 3 and 5 had short recall periods with the majority of harvest records having been collected within three months of the harvest, minimizing measurement error due to recall failure. However, recall periods were much longer, over six months in some cases, during some months in year 1, year 2 and several months in year 4. Recall error in these instances is more likely.

Records provided by DFO confirm that commercial quotas were issued for arctic char throughout the Harvest Study (DFO F). However, as indicated in the comments relating to arctic char, very few of these harvests were reported during the study. It is also evident when assessing the quantities of char reported by hunters that the vast majority of harvests were for subsistence and not for commercial sale.

Although there is not a large scale commercial harvest of caribou in Rankin Inlet, some animals are sold commercially to the local meat plant. These animals were designated as such in the database, and were later removed and do not make up part of the harvest estimates shown in the data tables.

Community feedback and other sources of data:

- ¹ **Caribou:** Caribou harvesting consisted of barren-ground caribou. The harvest estimate in year 5 seems too low; it was reported that the estimate in year 4 looked more typical and accurate (C.F.). Some caribou were harvested and sold to the local meat plant. These entries were removed from the database and can be viewed in Table 4.
- ² **Musk-ox:** The annual quota was 5 animals; however, they were not always all taken. Hunters travel large distances to harvest musk-ox (C.F.).



- ³ **Polar bear:** Numbers displayed are not estimates but confirmed harvest numbers supplied by DSD (DSD PB).
- ⁴ **Wolf:** Harvest estimates seem too low, especially in year 5 when none were reported. There are wolves harvested every year (C.F.). In order to verify harvest estimates, data were obtained from DSD detailing the number of pelts sold by hunters. DSD reports were available for 1999/2000 and 2000/2001 (years 4 and 5) and indicate that 62 wolf pelts were purchased from Rankin Inlet hunters in 1999/2000 (year 4) and 25 were purchased in 2000/2001 (year 5) (note that DSD data are based on harvest years that run from July to June, whereas Harvest Study data are based on harvest years that run from June to May) (DSD FB). Both of these numbers exceed the harvest estimates confirming that estimates are low in these years.
- ⁵ **Arctic fox:** Similarly, arctic fox are harvested every year and the data indicating no harvests reported in year 5 seems inaccurate (C.F.). Again DSD records were consulted for 1999/2000 and 2000/2001 (years 4 and 5) and revealed that 175 arctic fox pelts were purchased from Rankin Inlet hunters in 1999/2000 (year 4) and 107 were purchased in 2000/2001 (year 5) (note that DSD data are based on harvest years that run from July to June, whereas Harvest Study data are based on harvest years that run from June to May) (DSD FB). Both of these numbers exceed the harvest estimates confirming that estimates are low in these years.
- ⁶ **Wolverine:** Hunters report that wolverines are harvested every year and data from years with no reported harvests appear inaccurate (C.F.). There were no records of wolverine pelts purchased from hunters by DSD (DSD FB) however DSD staff confirms yearly harvests of wolverine of up to 15 animals.

- ⁷ **Arctic hare:** Although harvesting of hare has declined over the years it was reported that some are taken every year (C.F.).
- ⁸ **Seals:** The seal harvest consisted of both ringed seal and bearded seal. Seals (unspecified) would be one of these two species. Harvest estimates seem accurate (C.F.).
- ⁹ **Narwhal:** Hunters travel to the Repulse Bay area to harvest Narwhal. DFO reports the following harvest numbers for narwhal (note that DFO data are based on fiscal years, whereas Harvest Study data are based on harvest years that run from June to May) (DFO N/B):

96/97	97/98	98/99	99/00	00/01
7	0	2	2	7

- ¹⁰ **Beluga:** DFO reports the following harvest numbers for beluga (note that DFO data are based on fiscal years, whereas Harvest Study data are based on harvest years that run from June to May) (DFO N/B):

96/97	97/98	98/99	99/00	00/01
48	48	35	n/d	45

- ¹¹ **Ptarmigan:** Although harvesting changes from year to year due to changes in abundance in the area, some are harvested every year (C.F.).
- ¹² **Eggs:** Nesting areas are not abundant in the area, eggs are difficult to find but people do harvest some every year. Occasionally some people harvest snow geese eggs from around the Arviat area. They also harvest some arctic tern eggs (none reported). It was reported that all egg numbers seem low since many people do not count their eggs and therefore did not report them (C.F.).
- ¹³ **Arctic char:** There was some commercial fishing of arctic char throughout the study (DFO F). However, it is felt that much of it was not reported. There were a few entries in the Harvest Study database which indicated that the harvest was commercial. These were removed from the database and can be viewed in Table 4. Harvest estimates are thought to be fairly accurate for subsistence harvesting only (C.F.).



6.3.5 Nunanit Iniktigutait Ukauhiit: Kangklinik

Pihimagaluakhutik katitikhimayut katitigutait amigaituni nunani piliktut July 1996mi, Kangklinikmi kiguvakhimavaktut pivaktut ovalo katitikhimayut katitigutait pilikpaktut atauhimik tatikikhiutini Augustmi 1996mi. Ayofaakhimayut piliktitlugit katitikhimayut katitigutaini pipkaihimayuk pihimaitunik katitikhimayunik Septembermit 1997 Februarymut 1998. Aprilmi 2001, titikamik titigakhimayut Nunavumi Iniktiligiyit Katimayigalaanut ovalo aatjikutaanik tuyukhimayut RWOkunut ovalo HTOkunut tuhaktititlugit pihimaitut katitikhimayut. Titigak takupkaihimayuk NWMBkut atuniaktait ihumagiainik, titigakhimaplutik atugutikhainik katitigutait katitikhimayut nanaiyagiami pihimaitut tatikikhiutit. Nunaumi Iniktiligiyit Katimayigalaat angkhiimayait NWMBkut atugumayait ihumagiainik Junemi 2001. Taimaimat pikangitut katitikhimayunik (n/d) takuyauhimayuni tatikikhiutini katitikhimayukhanik katitikhimaitut Kangklinikmi. Piyaami naunaiyautait tamaat ukiuni umayukhiukhimayut ukiumi 1mi ovalo 2mi, naunaiyautait pihimaitut tatikikhiutini pihimayut naunaiyakhugit anginikhaat umayukhiukhimayut aatjikutaini tatikikhiutini hitamani ukiuni katitigutit katitikhimayut.

Ihivgiugutit Atugutait:

Ihivgiufaakhimayut ataani naunaiyakhimayut nunamut pulaakhimaitlugit pihimayut ikitut Inuit umayukhiuktit titigaktauhimaitut Umayukhiukhimayuni Ihivgiuktuni. Naunaiyakhimayuk 13kuyt Inuinaantitit umayukhiuktit tuniyauhimayut inminiigutininik umayukhiugutininik titigaktauhimaitut – tamamik ilaani umayukhiukataktut. Ukahimayut ilangani 5.2.1 ikpinagutait hamna ataani naunaiyakhimayut pilaakhimaut ataanut ihumagiaini umayukhiukhimayut naunaiyautaini. Kihimi, kanugitjutait ihumagiayuyut mikiyut titigaktauhimaitut umayukhiuktit pihimamat 3%nik tamaat umayukhiuktit (ikpatauyak 10).

Ihivgiukatagutait ovalo kiuyuitut ihumagiayit:

Kiuhimayut naunaiyautait nakuuyut hivulimi pingahut ukiugini ihivgiuktini (kihimi tatikikhiutit katitingit katitikhimayut). Iniktigutaini pingahut ukiuni ihivgiuktuni (kihimi tatikikhiutit katitikanagitut katitigutini). Iniktigutait malguk ukiut ihivgiuktuni kiuhimayut naunaiyautait katakhimamata ilangit tatikikhiutini naunaiyautait

katakhimayut ataanut 75%mik iniktigutait tatikikhiutit ihivgiuktuni. Takuhimayut ikpatauyani 9mi aatjikutait kiuyuitut naunaiyautaini Kangklinik angiyut, 14.8%, pihimapkaiyut angiyunik pilaaktuni kiuyuitut ihumagiain. Taimaimat hamna ovalo mikiyut kiuhimayut naunaiyautait iniktigutaini malguk ukiut ihivgiuktitlugit, Pilaaktut tamamik uktugutit ihuinaagutait ovalo kiuyuitut ihumagiainik angiyut.

Kiuhimayut naunaiyautait ihumagiayuyut angiyut ovalo kiuyuitut ihumagiayit mikiyut ukiugit 1mi ovalo 3mi (kihimi tatikikhiutit pikangitut katitikhimayunik katitigutaini) piyaami nni pihimayut nakuuyumik ilauyukhanik uktugutingit Nni umayukhiuktit. Taiguaktut piyukhat atuligumik katitikhimayut katitigutaini kingulimi malguk ukiungit ihivgiuktitlugit.

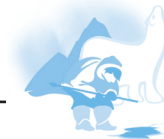
Atugutingit Ihumagiayit ovalo Kiuhimayut Ihuinaagutait:

Tuhaktitihimayut nunanut pulaakataktitluta ilangit umayukhiuktit pihimayutait amigaitjutait maniit pikiutakhimayaminik. Ukautitiangit pihimayut nunanit ukautaini ovalo aalanit atugutaini katitikhimayut ilangani hamani. Ilangani 5.4 pihimayut ukautitiagani hamna ihumagiayuyut.

Takuhimayut utiktitihimayuni ubluit ikpatauyani, amigaitkiyait tatikikhiutit ukiuni 3m ovalo 5mi naitunik utiktitiktunik ublukaktut amigaituni umayukhiukhimayut titigakhimayuni katitikhimayut iluani pingahut tatikikhiutini umayukhimayaini, mikinkhaalikhugit atugutingit ihuinaagutait pigaagata utiktitihimayut nakuuhilaat. Kihimi, utiktitihimayut ubluit takivaktut, avataanut siksini tatikikhiutininik ilangit, ilangit tatikikhiutit ukiuni 1mi, 2mi ovalo amigaivyaktut tatikikhiutit ukiumi 4mi. Utiktitihimayut ihuinaagutait hamani piyuni pivaktut ilaani.

Titigakhimaut tunihimayait DFOkunit pihimayut kinauyaliugutit kotat tuniyauvaktut ikalivinut tamaat umayukhiukhimayut ihivgiuktitlugit (DFO F). Kihimi, takuhimayut ukahimayuni mikhaanut ikalivininik, ikitut hapkoa umayukhiukhimayut tuhaktititauvaktut ihivgiuktitlugit. Nalunangitulu ihivgiufaagaagat kafuyut ikaliviit tuhaktititavaktut umayukhiuktit amigaitkiyait umayukhiukhimayut atuk-takhainik ovalo kinauyaliugutikhaungit niuvigutikhainik.

Ilaa angiyuungituugaluit kinauyaliugutit umayukhiugutaini tuktut Kangklinikmi, ilangit tuktut niuviktitauvaktut nunani uyuligiyinut. Hapkoa umayut naunaiyakhimayut taimaatut katitikhimayuni ovalo kinguani unguvakhimayut ovalo ilaungit umayukhiukhimayut naunaiyautaini takhimayuni katitikhimayut ikpatauyaini..



Nunanit ukakhimayut ovalo aalat atugutaini katitikhimayuni:

- ¹ **Tuktut:** Tuktut umayukhiukhimayut nunani tuktut. Umayukhiukhimayut naunaiyautit ukiuni 5mi mikiyut. Tuhaktititauhimayut naunaiyautait ukiuni 4mi naamaktut ovalo aatjikutaavyaktut (C.F.). Ilangit tuktut umayukhiukhimayut ovalo niuviktitauplutik nunani uyuligiyinut. Hapkoa titigakhimayut unguvakhimayut katitikhimayunit ovalo takuyaulaaktut ikpatauyami 4mi.
- ² **Umingmait:** Ukiuni tamaat kotait talimauyut umayut; kihimi tamamik atuktauyuitut. Umayukhiuktut autlaalikpaktut unguhiktumut umayukhiunahuakhugit umingmait (C.F.).
- ³ **Nanuit:** Amigaitjutait takukhauhimayut naunaiyautaugitit kihimi pihimayut umayukhiukhimayut amigaitjutait tunihimayut DSDkunit (DSD PB).
- ⁴ **Amagut:** Umayukhiukhimayut naunaiyautait mikiyut, ilaa ukiuni 5mi pingitit tuhaktitauhimayuni. Amagupaktut ukiuk tamaat (C.F.). Naunaiyatianahuakhugit umayukhiukhimayut naunaiyautait, katitikhimayut pivaktavut DSDkunit titigakpamata amigaitjutainik amiiit niuviktauvaktut umayukhiuktut. DSDkut tuhaktitihimayut pihimayut 1999/2000mit ovalo 2000/2001mit (Ukiuni 4mi ovalo 5mi) ovalo takukhauyut 62nik amagut amiiit niuviktauvaktut Kangiklinikmiunit umayukhiuktut 1999/2000mi (ukiuni 4) ovalo 25nik niuviktauvaktut 2000/2001mi (ukiuni 5) (nalungilutit DSDkut katitikhimayut atukpaktait umayukhiukhimayut ukiungit Julymit Junemut, Umayukhiukhimayut Ihivgiuktut katitikhimayut atukpaktait umayukhiukhimayut ukiungit Junemit Maymut) (DSD FB). Tamamik hapkoa amigaitjutait avataanungakhimayut umayukhiukhimayut naunaiyautait pihimayut naunaiyautait mikiyut hamani ukiugini.
- ⁵ **Tigiganit:** Aatjikutaitut, tigiganiat umaukhiukhimayut ukiuk tamaat ovalo katitikhimayut titigakhimayut umayukhimaitut tuhaktitihimayuni ukiuni 5mi ihuituk (C.F.). Ilaa DSDkut tuhaktititjutait atukhimayavut 1999/2000mi ovalo 2000/2001mi (ukiuni 4mi ovalo 5mi) ovalo takukhauyut 175nik tigiganit amiiit niuviktauhimayut Kangiklinikmiut umayukhiuktut 1999/2000mi (ukiuni 4mi) ovalo 107nik niuviktauhimayut 2000/2001mi (ukiuni 5mi) (nalungilutit DSDkut katitikhimayut aukpaktait umayukhiukhimayut ukungit Julymit Junemut, Umayukhiukhimayut ihivgiuktut katitikhimayut atukpaktait umayukhiukhimayut ukiungit Junemit Maymut) (DSD FB). Tamamik hapkoa amigaitjutait avataanungakhimayut umayukhiukhimayut naunaiyautait pihimayut naunaiyautait mikiyut hamani ukiugini.

- ⁶ **Kalviit:** Umayukhiuktut tuhaktitihimayut kalviit umayukhiukatakhimayut ukiuk tamaat ovalo katitikhimayut ukiuni pingitit kalvinik ihuinaakhimayut (C.F.) Pikangituk tuhagutikhanik kalviit amiiit niuviktauhimaitut umayukhiuktut DSDkunit (DSD FB) kihimi DSD havaktiit pihimayut ukiuk tamaat umayukhiuktauvaktut kalviit 15nut umayunik.
- ⁷ **Ukaliit:** Umayukhiukhimayut ukaliit kataliktuugaluit ukiuni, tuhaktitihimayut ilangit pivaktut ukiuk tamaat (C.F.).
- ⁸ **Natiit:** Natiit umayukhiukhimayut tamamik natiinat ovalo ukyuit. Natiit (kanugitit naunaiyakhimaitut) hapkoaguyunakhuyut. Umayukhiukhimayut naunaiyautait naamaktut (C.F.).
- ⁹ **Tuugaat:** Umayukhiuktut autlaakpaktut Naujaanut umayukhiugiaktuhugit tuugaat. DFOkut tuhaktitihimayut hapkoa umayukhiukhimayut amigaitjutait tuugaat (nalungilutit DFOkut katitikhimayut atukpaktait iniktigutaini ukiungit, Umayukhiukhimayut Ihivgiuktut katitikhimayut atukpaktait umayukhiukhimayut ukiungit Junemit Maymut) (DFO N/B):

96/97	97/98	98/99	99/00	00/01
7	0	2	2	7
- ¹⁰ **Kilalugait:** DFOkut tuhaktitihimayut hapkoa umayukhiukhimayut amigaitjutait kilalugait (nalungilutit DFOkut katitikhimayut atukpaktut iniktigutait ukiungit, Umayukhiukhimayut Ihivgiuktut katitikhimayut atukpaktait Junemit Maymut) (DFO N/B):

96/97	97/98	98/99	99/00	00/01
48	48	35	n/d	45
- ¹¹ **Akiliit:** Umayukhiugutit aalangulikuugaluit ukiuni ukiunut aalangulikpanmat amigaitjutait nunani, ilangit pikatainaktut umayukhiukhimayuni ukiuk tamaat (C.F.).
- ¹² **Maniit:** Ivaviit nunait ikitut nunat haniani, maniit ayonaktut nalvaagiami kihimi Inuit manikhiulikpaktut ukiuk tamaat. Ilaani ilangit Inuit pikiutalikpaktut kanguit maniiinik haniani Arviat nunaini. Pikiutalikpaktut imitkutailat maniiinik (tuhaktititauhimaitut), Tuhaktitihimayut tamamik maniit amigaitjutait mikiyut, ilaa amigaitut Inuit naunaiyayuumata kafinik maniktalikpaktut ovalo taimaimat tuhaktitituyuitut (C.F.).
- ¹³ **Ikaliviit:** Pikatakpaktut kinauyaliugutinik ikaliviinik tamaat ihivgiuktutlugit (DFO F). Kihimi ihumayut amigaitut tuhaktititauyuitut. Ikitut titigakhimayuuugaluit Umayukhiukhimayut Ihivgiuktut katitigutaini naunaiyakhimayut umayukhiukhimayut kinauyaliugutihimayut. Hapkoa unguvakhimayut katitikhimayunit ovalo takulaaktut ikpatauyami 4. Umayukhiukhimayut naunaiyautait ihumayhut naamaktut atuktakhaini umayukhiukhimayuni talvatuak (C.F.).