



6.3 Kivalliq Region

6.3.1 Community Results Discussion: Arviat

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 five 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 one percent of the total hunter population (Table 10).

Due to the relatively small number of intensive hunters registered in Arviat, the intensive classification was joined with the active classification for the purpose of calculating harvest estimates.

Survey coverage and non-response bias:

Response rates remained high throughout the course of the Harvest Study. Non-response bias was felt to be minimal. As seen in Table 9 the consistent intentional non-response rate in Arviat was low, at 0.3%, and was not thought to be a potential source of non-response bias.

Response rates were felt to be high enough and non-response bias low enough in all years to ensure that n did in fact constitute a sufficiently representative sample of N hunters.

Measurement issues and response error:

It was reported during the community consultations that egg harvests were under-reported. 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, the vast majority of harvest records were collected within three months of the harvest, thereby minimizing recall error.

There was commercial harvesting of arctic char during the Harvest Study. As seen below in the comments relating to the char harvest, some of the commercial harvest was reported along with the subsistence harvest. Other harvest records indicated that they were commercial and were removed from the database; these can be seen in Table 4.

Community feedback and other sources of data:

- ¹ **Caribou:** Caribou harvesting consisted of barren-ground caribou.
- ² **Polar bear:** Numbers displayed are not estimates but confirmed harvest numbers supplied by DSD (DSD PB).
- ³ **Tundra grizzly:** Harvest estimates seem to be in the right range. Arviat shared a quota of 5 animals with Rankin Inlet, Chesterfield Inlet and Whale Cove. Years with no reported harvest may be inaccurate; however the year 4 estimate of 4 may be high (C.F.).
- ⁴ **Arctic fox:** Almost all furs are sold, so 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 441 arctic fox pelts were purchased in 1999/2000 (year 4) and 916 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). The harvest estimate for year 4 appears to be low whereas that for year 5 looks to be accurate.



- ⁵ **Wolverine:** The harvest estimate for year 3 seems too high. However, the mean of 9 per year was thought to be accurate (C.F.).
- ⁶ **Ringed seal:** Sampling took place from hunter's catches in the fall of 1998, 1999 and 2000 (Cleator, 2001). This may explain the higher numbers during these years. The mean harvest over the five years of the study looks accurate (C.F.).
- ⁷ **Harbour seal:** In years where 0 were recorded there were likely some caught but not reported (C.F.).
- ⁸ **Walrus:** It is suspected that some walrus were not reported; hunters harvest walrus every year but need to travel to the Rankin Inlet area to do so (C.F.).
- ⁹ **Beluga:** The harvest estimate in year 2 seems too high (C.F.). 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
100	100	9	58	100
- ¹⁰ **Snow goose:** Harvest estimates seem a little low; the mean harvest should be closer to about 1800 to 2000 per year (C.F.).
- ¹¹ **Eggs:** Harvest estimates for eggs seem low. It is suspected that hunters were either not reporting eggs or were not counting them and under-estimating how many were gathered. It was also reported during the community visit that hunters do not normally separate out the different types of eggs gathered so the reported species of eggs may not be accurate. Both arctic tern eggs and black guillemot eggs are harvested in large numbers by Arviat residents, however very few were reported during the Harvest Study (C.F.).

- ¹² **Arctic char:** There was some commercial harvest of arctic char during the Harvest Study (DFO F). In assessing the harvest estimates it was thought that the estimates would represent the subsistence harvest and some of the commercial char harvest (C.F.). The Harvest Study Fieldworker reported that most hunters did report their commercial harvest and that some of this harvest would have been sold locally to stores or individuals in Arviat.
- ¹³ **Lake trout/cod:** Many of the trout and cod reported during the Harvest Study were caught during fishing derbies. Towards the beginning of the study there were lake trout derbies and in the last few years there were cod derbies held (C.F.).
- ¹⁴ **Arctic grayling:** Higher estimates in years 1 to 3 may have been due to lake trout derbies. Hunters may have caught grayling when fishing for trout (C.F.).

Some species were not reported during the Harvest Study but were harvested by Arviat hunters. The community reports that narwhal were harvested but not reported. Arviat hunters did not have a quota for narwhal but they reported that tags were obtained from other communities for this harvest. However, we were unable to obtain records on the number of narwhal taken during the study. Mussels were also harvested during the study but not reported.



6.3 Kivalliq

6.3.1 Nunanit Iniktigutait Ukauhiit: Arviat

Ihivgiuktit Atugutait:

Ihivgiufaakhimayut ataani naunaiyakhimayut nunamut pulaakhimatitluni takuhimayuk ikitut Inuit umayukhiuktit titigakhimaitut Umayukhiukhimayut Ihivgiuktitlugit. Naunaiyakhimayuk talimat Inuinaungituk umayukhiuktit tuniyauhimayut inminiigutunik titigaktauhimaitut, tamamik ilaani umayukhiukataktut. Ukakhimayut ilangani 5.2.1 ikpinagutait hamna ataani naunaiyautaini pilaaktut ataanut ihumagiyainik umayukhiukhimayut naunaiyautaini. Kihimi angitjutait ihumagiyayut mikiyut ilaungituk umayukhiuktit pihimamat 1% mik tamaat umayukhiuktinit (ikpatauyak 10).

Mikiyuumata amigaitjutait umayukhiukatainaktut titigakhimayut Arviami, umayukhiukatainaktut naunaiyautait katitikhimayut umayukhiukataktut naunaiyautait atugutaini pihimayuni umayukhiukhimayut naunaiyautaini.

Ihivgiugutingit ovalo kiuyuitut ihumagiyait:

Kiuhimayut naunaiyautait amigaiginaktut tamaat Umayukhiukhimayut Ihivgiuktitlugit. Kiuyuitut ihumagiyait ihumagiyayut mikiyut. Takuhimapluni ikpatauyami 9 pikataktut kiuyuitut naunaiyautait Arviami ikitut 0.3%mi ovalo ihumagiyangituk pilaaktuni pihimayaini kiuyuitut ihumagiyaini.

Kiuhimayut naunaiyautait ihumagiyayut angiyut ovalo kiuyuitut ihumagiyait mikiyut piyaami nni pihimayut nakuuymik ilaukatautjutaini uktugutait Nni umayukhiuktinit.

Atugutingit ihumagiyait ovalo kiuhimayut ihuinaagutait:

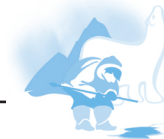
Tuhaktitihimayut nunamut ukakatihimatitlugit maniit pikiutakhimayut ataani tuhaktitihimayut. Ukautingit pihimayut nunanit ukautaini ovalo aalat pihimayaini katitikhimayuni ilangani hamani. Ilangani 5.4 pihimayutlu ukautitiagutaini hamna ihumagiyayuni.

Takuhimayut utiktitihimayuni ubluit ikpatauyani, amigaitut umayukhiukhimayut titigait katitikhimayut iluani pingahut tatkikhiutin umayukhiukhimayaini, taimaimat mikiyut utiktitihimayut ihuinaagutait.

Kinauyaliugutit umayukhiuktuni ikalivini Umayukhiukhimayut Ihivgiuktuni. Takukhauyuk hamani ukautini mikhaanut ikaliviit pikatakhimayut, ilangit kinauyaliugutit umayukhiukhimayuni tuhaktitihimayut ilauplutik atuktakhaini umayukhiukhimayuni. Aalat umayukhiukhimayut titigait pihimayut kinauyaliukhimayut ovalo unguvakhimayut katitikhimayunit; hapkoa takulaaktut ikpatauyami 4mi.

Nunanit Ukakhimayut ovalo aalani atugutaini katitikhimayuni:

- ¹ **Tuktut:** Tuktut umayukhiukataktait ilaayut nunani tuktut.
- ² **Nanuit:** Amigaitjutait takukhauyut naunaiyautangituk kihimi pihimayut umayukhiukhimayut amigaitjutait tunihimayait DSDkut (DSD PB).
- ³ **Akhat:** Umayukhiukhimayut naunaiyautait naamaktut. Arviat atukatigiyait kotanik talimanik akhanik Kangiklinikmut, Igluligaajukmut ovalo Titigakyuamutlu. Ukiuni tuhaktitiyauhimaitumik umayukhimayaminik ihuinaakhimayuy, kihimi ukiumi 4mi hitamamik akhakhimayut angiyut (C.F.).
- ⁴ **Tigiganiat:** Tamamivyak amiit niuviktauvaktut, taimaimat naunaiyagiami umayukhiukhimayut naunaiyautait katitikhimayut pihimayut DSDkunit titigakhimayut amigaitjutait amiit niuviktauhimayut umayukhiuktinit. DSDkut tuhaktitihimayut ukini 1999/2000mit ovalo 2000/2001mit (ukiumi 4 ovalo 5) ovalo naunaiyakhimayut 441nik tigiganiat amiit niuviktauhimayut 1999/2000mi (ukiumi 4) ovalo 916nik niuviktauhimayut 2000/2001mit (ukiumi 5) (nalungilutit DSDkut katitikhimayait atukhimayut umayukhiukhimayut ukiungani Julymit Junemut, Umayukhiukhimayut Ihivgiugutait katitikhimayut atukhimayut umayukhiukhimayut ukiungani Junemit Maymut) (DSD FB). Umayukhiukhimayut naunaiyautait ukiumi 4mi takukhauyut mikiyut, kihimi ukiumi 5mi naamaktut.



- ⁵ **Kalviit:** Umayukhiukhimayut naunaiyautait ukiumi 3 angiyut. Kihimi angitjutait 9nik ukiumi tamaat ihumagiyayut naamaktut (C.F.).
- ⁶ **Natinaat:** Uktugutit pihimayut umayukhiuktit piyainit ukiakhami 1998mi, 1999mi ovalo 2000mi (Cleator, 2001). Hamna pihimayunakhuyuk angitjutigiyait amigaitjutaini hapkoa ukiuni. Angitjutait umayukhiukhimayut talimani ukiuni ihivgiukhimayut naamaktut (C.F.).
- ⁷ **Qanigiq:** Ukiuni titigakhimayut pingitut, piyunakhiyuugaluit kihimi tuhaktitiyaungitut (C.F.).
- ⁸ **Akviit:** Ihumagiyayut akvikhimayut tuhaktitiyaungitut; umayukhiuktit pivaktait akviit tamaat ukiuni kihimi autlaakpaktut hanianut Kangiklinikmut piyumagumik (C.F.).
- ⁹ **Kilalugait:** Umayukhiukhimayut naunaiyautait ukiumi 2 angiyut (C.F.). DFOkut tuhaktitihimayut hapkoa umayukhiukhimayut amigaitjutait kilalugat (nalungilutit DFOkut katitikhimayait atukpaktut iniktigutaini ukiungit, Umayukhiukhimayut Ihivgiukhimayut katitkhimayut atukpaktut umayukhiukhimayut ukiunganik Junemit ovalo Maymut) (DFO N/B):

96/97	97/98	98/99	99/00	00/01
100	100	9	58	100
- ¹⁰ **Kanguq:** Umayukhiukhimayut naunaiyautait mikiyut; angitjutait umayukhiukhimayut kanitunakhuyut 1,800nit 2,000mut ukiuk tamaat (C.F.).
- ¹¹ **Maniit:** Umayukhiukhimayut naunaiyautait maniini mikiyut. Ihumagiyayuk umayukhiuktit pikatangitunakhuyut tuhaktitiyuitumik maniit ovaluniit naunaiyakhimaimata ovalo ataani naunaiyakhimayut kafit katitikpaktut. Tuhaktitihimayutlu nunani pulaakhimapluni umayukhiuktit pikatayuitut aviktuklugit aalatkiit maniit pikukhimayut, taimaimat tuhaktakhat kanugitut tinmiat maniit ihuinaakhimayunakhuyut. Tamamik

- Imitkutailat maniit ovalo black guillemot maniit pikukhimayut amigaitunik Arviamiunit, kihimi ikitut tuhaktitihimayut Umayukhiukhimayut Ihivgiuktitlugit (C.F.).
- ¹² **Ikaliviit:** Kinauyaliugutinik ikalukhiukpatut ikaliviniik Umayukhiukhimayut Ihivgiuktitlugit (DFO F). Ihivgiufaakhimayuni umayukhiukhimayut naunaiyautait ihumagiyayut naunaiyautait pihimayunakhuyut atuktakhainik umayukhiukhimayuni ovalo ilangit kinauyaliukhimayut ikaliviniik ikalukhimayaini (C.F.) Umayukhiukhimayut Ihivgiuktit havaktiit tuhaktitihimayut amigaitut umayukhiuktit tuhaktitihimayut kinauyaliugutait ikalukhimayaminik ovalo ilangit ikalukhimayut niuviktauhimayut nunamini niuvikvimut ovaluniit Inunut Arviami.
- ¹³ **Ikalukpiit/ugat:** Amigaitut ikalukpiit ovalo ugat tuhaktitihimayut Umayukhiukhimayut Ihivgiuktitlugit pihimayut takhinahuaktuni ikalukhiutuni. Pilihaaliktitlugit ihivgiuktut ikalukpiit takhinahuaktuni ovalo kingulimi ukiuni ugat takhinahuaktun uganik pivaktut (C.F.).
- ¹⁴ **Hulupaugaq:** Angiyut naunaiyautait ukiumi 1mit 3mut pihimayut ikalukpinik takhinahuaktunit. Umayukhiuktit pivaktut hulupaugaq ikalukhiuktitlugit ikalukpinik (C.F.).

Ilangit umayut tuhaktitiyauyuitut Umayukhiukhimayut Ihivgiuktitlugit kihimi umayukhiukhimayut Arviamiut umayukhiuktinit. Nunani tuhaktakhat tuugaat umayukhiukpaktut kihimi tuhaktitayuyuitut. Arviamiut kotakangitut tuugaanik kihimi tuhaktitihimayut atugutainik pivaktut aalanit nunanit hamna umayukhiukhimayunik. Kihimi pingitugut tuhaktakhainik amigaitjutainik tuugaat pivaktait ihivgiuktitlugit. Uviluvaluit umayukhiuhimayut ihivgiuktitlugit kihimi tuhaktititayuyuitut.