



6.1.8 Community Results Discussion: Kimmirut

The survey frame:

An assessment of under-enumeration during the community visit revealed that there were approximately 52 hunters who were not registered in the Harvest Study. All of these were occasional hunters, 51 Inuit and one non-Inuit with assigned hunting rights. As discussed in Section 5.2.1 the effect of this under-enumeration would have led to a downward bias of the harvest estimates. Given that these unregistered hunters represent 31 percent of the total hunter population (Table 10) the effect of this bias on harvest estimates could be significant. However, the effect would be lessened by the fact that all unregistered hunters were thought to be occasional hunters. Harvest estimates for the unregistered hunters can be estimated using mean harvest quantities for each species by strata. These estimates, having their own sources of error and bias, are beyond the scope of this Final Report. Readers may apply to NWMB to obtain the results of these calculations.

Survey coverage and non-response bias:

Response rates were high in most years throughout the study in Kimmirut. Lower rates were encountered in the summer of 1997 (year 2) and rates dropped to below 60% in the final months of the study (year 5). As seen in Table 9 the consistent intentional non-response rate in Kimmirut was low at 1.8% 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 during years 1 to 4 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 latter months of the study and from the summer of 1997 since the potential for both sampling error and non-response bias increases as response rates fall.

Measurement issues and response error:

It was reported during the community consultations that some harvests, such as eggs and eider down 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, years 1 to 3 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 several months in years 4 and 5. Recall error in these instances is more likely.

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 **Ringed seal:** Harvest estimates seem low in the last 2 years of the study since pelt prices have increased resulting in increased harvesting of ringed seals (C.F.).
- ⁴ **Bearded seal:** Harvest estimates seem too high. The community reports harvests are rarely higher than 20 per year (C.F.).
- ⁵ **Harp seal:** The harvest estimates seem high in some years as pelts nor meat were sought after. The community reports that harvests are rarely higher than 10 per year (C.F.).
- ⁶ **Harbour seal:** The year 5 harvest estimate seems low. During the community visit one hunter reported that he harvested 2 in year 5. Harvest estimates in other years seem accurate (C.F.).
- ⁷ **Walrus:** The community reports that harvest estimates seem low in years 2, 4 and 5. They migrate close to the community in March and some are taken every year (C.F.).
- ⁸ **Beluga:** Harvest estimates seem a little high in year 3 and a little low in year 5 but overall they are in the right range. However, members of the public commented that the year 3 estimate was likely accurate (C.F.). Prior to 1999 the quota had been 35 beluga per year after which time Kimmirut joined a three year trial community-based management system and no longer was given a set quota. 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
8	4	20	19	27
- ⁹ **Eggs:** Most of the harvest estimates for eggs seem too low. Many hunters were not reporting their egg harvests. Unidentified eggs may have been goose eggs; goose eggs were not reported, but Canada goose eggs are harvested by Kimmirut hunters (C.F.).
- ¹⁰ **Eider down:** Harvest estimates seem much too low. Down is harvested when collecting eggs; therefore there should be some down harvest every year. Many hunters reported that they were not aware they were to report their eider down harvest (C.F.).
- ¹¹ **Arctic char:** Harvest estimates seem to be in the right range. However, it is suspected that estimates may be low in the last few years due to declining interest in the study (C.F.).
- ¹² **Mussels:** Mussels were harvested each year; hunters did not always count their catch and often did not report them to the Fieldworker (C.F.).



6.1.8 Nunani Iniktikhimayut Ukauhiit: Kimmirut

Ihivgiugutit atugutait:

Ihivgiuafakhimayuni ataani naunaiyakhimayut nunanut pulaakhimati-luni takuhimayuk 52nik umayukhiuktinik titigakhimaitut Umayukhiukhimayut Ihivgiukhimayuni. Tamamik tahapkoa ilaani umayukhiukataktut, 51kuyut Inuit ovalo atauhik inuinaungituk tuniyauhimayuk umayukhiutinik inminiigutainik. Ukakhimayuk ilangani 5.2.1 ikpinagutait hamna ataani naunaiyakhimayut pihimayut ataanut ihumagiayait umayukhiukhimayut naunaiyautaini. Pihimamat hapkoa titigakhimaitut umayukhiuktit pihimamat 31%nik tamaat umayukhiuktunut (ikpatauyak 10) ikpinagutait hamna ihumaiyait umayukhiukhimayut naunaiyautaini angiyut. Kihimi ikpinagutait mikhilaat nalungitut tamamik titigakhimaitut umayukhiuktit ihumagiayuyut ilaani umayukhiukpaktut. Umayukhiukhimayut naunaiyautait titigakhimaitut umayukhiuktit naunaiyakhimayut atukhutik anginikhaani umayukhiukhimayut amigaitjutait tamamik umayut aviktukhimalutik. Hapkoa naunaiyautit pihimayut inminik ihumagiayainik ovalo ihuinaagutainik avataaniitut pihimayunit hamna iniktikhimayuk tuhaktakhak. Taiguaktut apigilaaktut NWMBkunut piyumagumik iniktigutainik hapkoa naunaiyautit.

Ihivgiukhimayut pihimayut ovalo kiuyuitut ihumagiayait:

Kiuhimayut naunaiyautait angiyut tamami ukiuni tamaat ihiktitlugit Kimmirutmi. Mikitkiyaut naunaiyautit pihimayut auyami 1997mi (uki-umi 2) ovalo naunaiyautait katakximayut ataanut 60%nut iniktigutaani tatikhiutimi ihivgiuhimatitlugit (ukiuni 5). Takulaaktut ikpatauyami 9mi pikatainaktut kiuyuituni naunaiyautait Kimmirutmi mikiyut 1.8%mik ovalo ihumagiyaungituk pilaaktuni pihimayaini kiuyuitut ihumagiayain.

Kiuhimayut naunaiyautait ihumagiayuyut angiyut ovalo kiuyuitut ihumagiayait mikiyut ukiuni 1mit 4mut piyaami nni pivaktut nakuuyumik ilaukatigiyaami uktukhimayut Nni umayukhiuktini. Taiguaktut ihimagiyaahait atugumik katitikhimayut katitiguait kinguani tatikhiutini ihivgiuktitlugit ovalo auyami 1997mi pilaamata tamamik ihuinaakhimayut ovalo kiuyuitut ihumagiayait angiklilaamata kiuhimayuni naunaiyautait katakpata.

Atugutingit ihumagiayait ovalo kiuhimayut ihuinaagutait:

Tuhaktitihimayuk nunani ukakatihimaplugit ilangit umayukhiukhimayut, ilaa, maniit ovalo tingmiat kiviungit ataanut tuhaktitihimayut. Titigakhimayut tunihimayut nunani kiutjutaini ovalo aalat pihimayut katitikhimayuni ilangani hamani. Ilangani 5.4 pihimayut ukauhiinik hamna ihumagiayuyut.

Takuhimayut utiktikhimayuni ubluit ikpatauyani, ukiuni 1mit 3mut naitunik utiktikhimayut ubluit amigaitut umayukhiukhimayut titigagutait katitikhimayut iluani pingahut tatikhiutini umayukhiukhimayuni, mikhinaakhimayait atugutit ihuinaagutait pihimakpata utiktigutit pingitpata. Kihimi, utiktiguti ubluit angitkiyait ovataanut siksit tatikhiutini ilaani, amigaivyaktuni tatikhiutini ukiuni 4mi ovalo 5mi. Utiktikhimayut ihuinaagutait hamani pihimayut piyunakhimayut.

Nunanit ukakhimayut ovalo aalat pihimayaini katitikhimayuni:

- ¹ **Tuktuit:** Tuktut umayukhiukhimayut nunani tuktut.
- ² **Nanuit:** Amigaitjutait takuvaktut naunaiyakhimaitut kihimi pihimayut umayukhiukhimayut amigaitjutait tunihimayut DSDkunit (DSD PB).
- ³ **Natiit:** Umayukhiukhimayut naunaiyautait mikiyut kinguani malguk ukiuni ihivgiukhimayuni, amiit akiit angilihimamata amigailikhimata umayukhiukpaktait ukuit (C.F.).
- ⁴ **Ukyuit:** Umayukhiukhimayut naunaiyautait angiyut. Nunanit tuhaktitivaktut umayuktauvaktut angitkiyaungitut 20nit ukiuk tamaat (C.F.).
- ⁵ **Qairulik:** Umayukhiukhimayut naunaiyautait angiyut ilangit ukiuni, amiit ovalo uyuit piyumayavumata. Nunani tuhaktakhait umayukhiukhimayut angitkiyauyuituk kulinik ukiuni (C.F.).
- ⁶ **Qanigiq:** Ukiuni 5mi umayukhiukhimayut naunaiyautait mikiyut. Nunani pulaaktakhimapluni atauhik umayukhiukti tuhaktitihimayuk umayukhiukhimayuk malgunik ukiuni 5mi. Umayukhiukhimayut naunaiyautait aipaini ukiuni naamaktut (C.F.).
- ⁷ **Akviit:** Nunani tuhaktakhaini umayukhiukhimayut naunaiyautait mikiyut ukiuni 2mi, 4mi ovalo 5mi. Nuutitivamata haniani nunami Marchmi ovalo ilangit pivaktut tamaat ukiuni (C.F.).



⁸ **Kilalugait:** Umayukhiukhimayut naunaiyautait angiyut ukiuni 3mi ovalo mikiyut ukiuni 5mi kihimi tamaat naamaktut. Kihimi Inuit ukakhimayut ukiuni 3mi naunaiyautait nakuuyut (C.F.). Pitinagu 1999mi kotat 35kuyut kilalugat ukiuk tamaat pihimamata Kimmirut ilauhimayuk pingahuni ukiuni uktukhi-mayunut nunani munagitjutit atugutaini ovalo kotakaguiktut. DFOkut tuhaktitihimayut hapkoa umayukhiukhimayut amigaitjutait kilaluganik (nalungilutit DFOkut katitikhimayut atukpaktut atugutaini ukiuginik, Umayukhiukhimayut Ihivgiugutait katitikhimayut atukpaktut umayukhiukhimayut ukiungit Junemit Maymut (DFO N/B):

96/97	97/98	98/99	99/00	00/01
8	4	20	19	27

⁹ **Maniit:** Amigaitut umayukhiukhimayut naunaiyautait katitigutaini maninik mikiyut. Amigaitut umayukhiuktit tuhaktituyuitut maniit katitigutainik. Nalunaktut maniit nikliniit manigiyunakhiyait, nikliniit maniit tuhaktitihimaitut, kihimi uluaguliit maniit katitikhimavaktut Kimmirutmi umayukhiuktinit (C.F.).

¹⁰ **Tingmiat kiviut:** Umayukhiukhimayut naunaiyautait mikiyut. Kiviut katitilikpaktut katitiligaagata maniit; taimaimat pihimayukhat kiviunik katitigutainik ukiuk tamaat. Amigaitut umayukhiuktit tuhaktitihimayut naluyut tuhaktitityaami tingmiat kiviut katitigutait (C.F.).

¹¹ **Ikaliviit:** Umayukhiukhimayut naunaiyautait naamaktut. Kihimi, ihumayut naunaiyautait mikiyut kinguani ukiuni ihumagihumata ihivgiuktitlugit (C.F.).

¹² **Uviluvaluit:** Aomauyautit umayukhiukpaktait ukiuk tamaat; umayukhiuktit naunaiyakhimayuitait ilaani piyainik ovalo tuhaktitiyuitaitlu nunani havaktinut (C.F.).