



6.1.2 Community Results Discussion: Cape Dorset

Although data collection in most communities began in July 1996, in Cape Dorset delays were encountered due to difficulties in retaining fieldworkers and in registering hunters. Data prior to August 1997 were deemed unreliable and were not used. 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 year 1 in Cape Dorset. In order to estimate the total yearly harvest in year 2, estimates for June and July 1997 were obtained by calculating the mean harvest for the corresponding months in the three years in which data were collected.

The survey frame:

An assessment of under-enumeration during the community visit revealed that there were approximately 29 hunters who were not registered in the Harvest Study. Twenty-seven of these were Inuit - 13 occasional, 13 active and one intensive hunter. It is estimated that there were two non-Inuit hunters with assigned hunting rights who were not registered – one occasional and one active hunter. As discussed in Section 5.2.1 the effect of this under-enumeration would have led to a downward bias of the harvest estimates. Over half of the unregistered hunters were thought to be active or intensive hunters. As a result, although these hunters represent only five percent of the total hunter population (Table 10), the effect of this bias on harvest estimates could be significant. Harvest estimates for the unregistered hunters can be estimated using mean harvest quantities for each species by strata. However, 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 good to excellent in most months during the four years of the Harvest Study. The exception to this was the summer of year 3 where response rates were significantly lower and dropped below 50% in the active and intensive strata for several months. As seen in Table 9 the consistent intentional non-response rate in Cape Dorset was low, at 0.8%, and was not thought to be a potential source of non-response bias.

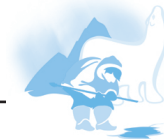
Response rates were felt to be high enough and non-response bias low enough during all years of the study, with the exception of some months in year 3, to ensure that n did in fact constitute a sufficiently representative sample of N hunters. Readers should exercise caution when using the data collected during the summer of 1998 (year 3) 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 clams and mussels 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, with the exception of about five months in year 3, the vast majority of harvest records were collected within three months of the harvest, thereby minimizing recall error.

As noted in the comments associated with arctic char, below, there was commercial harvesting of char during the study. These fish would have been sold locally through the HTO or local store and were therefore included in the Harvest Study database.



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 **Wolf:** Harvest estimates in years 2 and 3 seem a little low. Estimates in years 4 and 5 look more accurate. Wolves are getting closer to the community; there is a summer den very close to the community (C.F.).
- ⁴ **Arctic fox:** Harvest estimates look accurate. Estimates were lower in year 3, because of the implementation of humane trapping standards (C.F.). DSD reports indicate that 27 arctic fox pelts were purchased from Cape Dorset hunters in 1999/2000 (year 4) and 47 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). Harvest estimates that are somewhat higher than these numbers are felt to be accurate, given that not all pelts are sold.
- ⁵ **Harp seal:** There were very few harp seals around during the Harvest Study (C.F.).
- ⁶ **Walrus:** The mean harvest estimate seems low. The HTO Board felt that the average walrus harvest should be closer to 60 (C.F.).
- ⁷ **Narwhal:** Few narwhal were harvested during the study since there were very few around the community. Many more narwhal were harvested in the years prior to the study when they were more abundant (C.F.).
- ⁸ **Geese:** Harvest estimates for snow geese seem a little low in the latter years of the study. The number of geese (most species) seems to be increasing each year and harvest numbers should also be going up from year to year. Harvest estimates for Ross' and brant geese also appear low and the HTO Board speculated that hunters likely reported these species as Canada geese. Canada geese estimates seem more accurate (C.F.).
- ⁹ **Eggs: Goose and seagull eggs:** harvest estimates may be a little low but seem to be in the right range. These birds don't lay eggs near the community, so hunters do not harvest many (C.F.). **Duck eggs:** Again estimates may be a little too low but are in the right range. This harvest follows the ice conditions; explaining the low estimate in year 3. Common eider eggs are gathered to the east of the community (Saqva area) and sometimes hunters have difficulty accessing the area due to poor ice conditions (C.F.).
- ¹⁰ **Eider down:** People do harvest eider down; the estimates appear to be much too low. It is felt that many hunters did not report this harvest. It is not unusual for hunters to gather down from at least 100 nests, leaving some of the down in place in each nest. Down is not sold; it is used by local people (C.F.).
- ¹¹ **Arctic char:** There was some commercial fishing during the Harvest Study. However, the fish were sold to the HTO or to the local store. It is felt that these commercial harvests were reported with the subsistence harvest and are included in the harvest estimates. Estimates seem accurate (C.F.).
- ¹² **Sculpin:** Sculpin are harvested each year so data in year 5 indicating no reported harvests would appear to be inaccurate (C.F.).
- ¹³ **Clams:** People go clam digging every year. Hunters are told that they need to harvest clams in a sustainable manner. The year 2 estimate of about 15,000 looks reasonable. In years 3 to 5 the HTO Board suspects that the harvest was similar to year 2 but that some hunters stopped reporting since they were concerned that officials might limit this harvest (C.F.).
- ¹⁴ **Mussels:** Similar to the clam harvest, the mussel harvest should be consistent from year to year (C.F.).



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- 1 **ጋንጋል:** ጋንጋል ለግብርና ለግብርና ለግብርና
- 2 **ጠቅላይ:** ጠቅላይ ለግብርና ለግብርና ለግብርና
- 3 **ግብርና:** ግብርና ለግብርና ለግብርና ለግብርና
- 4 **ግብርና:** ግብርና ለግብርና ለግብርና ለግብርና
- 5 **ግብርና:** ግብርና ለግብርና ለግብርና ለግብርና
- 6 **ግብርና:** ግብርና ለግብርና ለግብርና ለግብርና
- 7 **ግብርና:** ግብርና ለግብርና ለግብርና ለግብርና
- 8 **ግብርና:** ግብርና ለግብርና ለግብርና ለግብርና

- 9 **ግብርና:** ግብርና ለግብርና ለግብርና ለግብርና
- 10 **ግብርና:** ግብርና ለግብርና ለግብርና ለግብርና
- 11 **ግብርና:** ግብርና ለግብርና ለግብርና ለግብርና
- 12 **ግብርና:** ግብርና ለግብርና ለግብርና ለግብርና
- 13 **ግብርና:** ግብርና ለግብርና ለግብርና ለግብርና
- 14 **ግብርና:** ግብርና ለግብርና ለግብርና ለግብርና

6.1.2



6.1.2 Nunani Iniktikhimayut Ukauhiit: Kinngait

Katitikhimayut katitiguit tamamivyak nunani pilikhimayut Julymi 1996mi, Kinngaini kinguvakhimayut ayokhakhimagamik nunani havak-tikhaminik ovalo titigaktakhainik umayukhiuktit. Katitikhimayut piti-nagit Augustmi 1997mi naamagiyaungitut ovalo atungitut. Aprilmi 2001, titikamik titigakhimayut Nunaumi Iniktigliyit Katimayigalaanut ovalo aatjikutaanik tunihimayut RWOkunut ovalo HTOkunut tuhakti-tivlugit pihimaitut katitikhimayut. Titigak takuyauhimaguk NWMBkut piyait ayokhagutimik, titigakhimaplutik atugutikhainik katitigutainik katitikhimayunik naunaiyakhimayut pihimaitut tatikhiutini. Nunavumi Iniktigliyit Katimayigalaat angikhimayut NWMBkut atuni-aktait ihumagiyaaminut Junemi 2001. Taimaimat, pikangituk katitikhimayunik (n/d) takuyauhimaguk ukiungani 1 Kinngaini. Pinahuakhuni naunaiyautainik tamaat ukiuni umayukhiukhimayut ukiuni 2mi, nau-naiyautait Junemi ovalo Julymi 1997 pihimayut naunaiyakhugit angitkiyait umayukhiukhimayut aatjikutaini tatikhiutini pingahunu ukiuni katitikhimayut katitigutaini.

Ihivgiukhimayut Iniktigutait:

Ihivgiufaakhimayut ataani naunaiyakhimayut nunani pulaakhimati-lugit takuhimayut 29kuyut umayukhiuktit titigaktauhimaitut Umayukhiukhimayut Ihivgiugutaini. 27kuyut tahapkoa Inuinauyut – 13kuyut ilaani umayukhiukpaktut 13kuyut umayukhiukataktut ovalo atauhik umayukhiunginaktuk. Naunaituk malguuk Inuinaungituk umayukhiuktit tuniyauhimaguk umayukhiugutnik inminiigutunik titi-gaktauhimaitut – atauhik ilaani umayukhiukpaktut ovalo atauhik umayukhiukataktut. Ukakhimayut ilangani 5.2.1, ikpinaguit hamna ataani naunaiyakhimayut pivaktuk ataanut ihumagiyaaini umayukhiukhimayut naunaiyautaini. Kitkani titigaktauhimaitut umayukhiuktit umayukhiuktaktut ovaluniit umayukhiukatainaktut. Taimaimat, hapkoa umayukhiuktit ilauyut 5% mik tamaat umayukhiuk-tinit (ikpatauyak 10), ikpinagutait hamna ihumagiyaaini umayukhiukhi-mayut naunaiyautaini angiyuuyut. Umayukhiukhimayut naunaiyautait titigakhimaitut umayukhiuktit naunaiyakhimayut angiyunik umayukhi-mayainik amigaitjutaini tamamik umayunik aviktukhimayuni. Kihimi hapkoa naunaiyautit pihimayut ihuinaagutainik ovalo ihumagiyaainik avataaniimatat hamani Iniktigutaani Tuhaktakhat. Taiguaktut pilaaktut NWMBkunit piyomagumik iniktigutait hapkoa naunaiyautainik.

Ihivgiukhimayut pihimayut ovalo kiuyuitut ihumagiyaait:

Kiuhimayut naunaiyautait nakuuyut ilangit nakuukpiakhtuk ilangini tatikhiutini hitamani ukiuni Umayukhiukhimayut Ihivgiuktitlugit. Kihimi auyami ukiuni 3mi kiuhimayut naunaiyautait mikhihimayut ovalo katakhtuk ataanut 50% mut umayukhiukataktuni ovalo umayukhiukatainaktuni aviktugutaini amigaivyaktut tatikhiutini. Takuyaulaaktut ikpatauyami 9mi, pikataktut kiuyuitut naunaiyautaini Kinngaini ataanungakhimayuk 0.8% mut ovalo ihumagiyaungituk pilaaktuni pihimayuni kiuyuitut ihumagiyaaini.

Kiuhimayut naunaiyautait ihumayut angiyuuyut ovalo kiuyuitut ihumagiyaait mikiyut tamamik ukiuni ihivgiuktitlugit, kihimi ilangit tatikhiutini ukiuni 3mi, piplutik nmi pihimayut naamaktut nau-naiyautaini Nmi umayukhiuktini. Taiguaktut atuktukhat ihumagilugit atuligumik katitikhimayut katitiguit auyami 1998mi (ukiuni 3) pilaamata tamamik uktugutit ihuinaagutait ovalo kiuyuitut ihumagiyaait angilivamata kiuhimayut naunaiyautait katagaagata.

Atugutingit ihumagiyaait ovalo kiuhimayut ihuinaagutait:

Tuhaktitihimayut nunani ukakatihimaplutik ilangi umayukhiukhi-mayut, ilangi uvilut ovalo uviluvuluit ataani tuhaktitihimayut. Titigakhimayut tuhagutikhait nunani ukakhimayaini ovalo aalat atukhi-mayut katitikhimayuni ilangani hamani. Ilangani 5.4 pihimayut ukauti-tigutaini hamani ihumagiyaayuni.

Takuyaulaak utiktihimayuni ikpatauyami, kihimi talimat tatikhiu-tit ukiuni 3, amigaitut umayukhiukhimayut titigakhimayut katitikhimayuni iluani pingahut tatikhiutini umayukhiukhimayut, taimaimat mikinikhaaguyut utiktihimayut ihuinaagutaini.

Titigakhimayuni ukakhimayuni mikhaanut ikaliviit hamani, kin-ayaliugutauyut umayukhiukhimayut ikaliviit ihivgiukhimatitlugit. Hapkoa ikaluit niuviktauhimayut nunamini HTOkunut ovaluniit nunamini niuvikvimi ovalo ilauhimayut Umayukhiukhimayut Ihivgiukhimayut katitikhimayuni.

Nunanit Ukakhimayut ovalo aalat pihimayaini katitikhimayuni:

- ¹ **Tuktut:** Tuktut umayukhiukhimayut nunani tuktut.
- ² **Nanuit:** Amigaitjutait takuyauhimaguk naunaiyautaugitut kihimi pihimayut amigaitjutait pihimayut DSDkunit (DSD PB).
- ³ **Amagut:** Umayukhiukhimayut naunaiyautait ukiuni 2mi ovalo 3mi mikiyut. Naunaiyautait ukiuni 4mi ovalo 5mi naamaktut. Amagut kaliliktut nunamut, auyami ivavikaligamik haniani nunami (C.F.).



- ⁴ **Tigiganiat:** Umayukhiukhimayut naunaiyautait naamaktut. Naunaiyautait mikiyut ukiumi 3mi, atulikhimagamik nutaanik nanigianik (C.F.). DSDkut tuhaktitihimayut 27kuyut tigiganiat amiit niuviktauhimayut Kinngainit umayukhiuktinit 1999/2000mi (ukiumi 4) ovalo 47kuyut niuviktauhimayut 2000/2001mi (ukiumi 5) (nalungilutit DSDkut katitikhimayut atukhimayut umayukhiukhimayut ukiungit Julymit Junemut, Umayukhiukhimayut Ihivgiukhimayut pivaktut Junemit Maymut (DSD FB). Umayukhiukhimayut naunaiyautait angiyut tahapkonanga amigajutainit ihumayut naamaktut, nalunginami tamamik amiit niuvitauyuitut.
- ⁵ **Qairulik:** Ikitpiaktuk tikhait natiit umayukhiukhimayut ihivgiutitlugit (C.F.).
- ⁶ **Akviit:** Angitjutait umayukhiukhimayut naunaiyautait mikiyut. HTOkut katimayiit ihumayut kitkaniitut aiviit umayukhiukhimayut 60nut kanitkiyauyukhat (C.F.).
- ⁷ **Tugaaliit kilalugat:** Ikitut tugaaliit kilalugat umayukhiukpaktut ihivgiuktitlugit ikitpiamata haniani nunami. Amigaitut umayukhiukhimayut ukiuni pitinagit ihivgiuktut amigaituugaluamata. (C.F.).
- ⁸ **Uluaguliit:** Umayukhiukhimayut naunaiyautait kanguni mikiyut iniktiligutaini ukiut ihivgiuktuni. Amigaitjutait uluaguliit (tamamivyak uluaguliit) amigailiktut tamaat ukiuni ovalo umayukhiukhimayut amigaitjutait amigailiktukhat ukiuk tamaat. Umayukhiukhimayut naunaiyautait nikliniit ovalo niklinavaluit mikiyut ovalo HTOkut katimayiit ihumayut umayukhiuktut tuhaktitihimayut hapkoa tingmiat uluagulinik. Uluaguliit naunaiyautait naamaktut (C.F.).
- ⁹ **Maniit:** Uluaguliit ovalo nauyat maniit: katitikhimayut naunaiyautait mikiyut kihimi naamakhiliktut. Hapkoa tingmiat manikayuitut haniani nunaini, taimaimat umayukhiuktut katiitiyuitut amigaitunik (C.F.). *Tingmiat maniit:* Ilaa naunaiyautait mikiyut kihimi naamakhiliktut. Hamna umayukhiukhimayut malikpaktut hikunik kanugitaakhainik, ukakhimayut ikitut naunaiyautait ukiumi 3mi. Mitiit maniit katitikpaktut kivataani nunamit (Saqvami) ovalo ilaani umayukhiuktut ayokhaktut tikitaami nunat hikut nakuugitkaagat (C.F.).
- ¹⁰ **Tingmiat kiviungit:** Inuit katitikpaktut tingmiat kiviungit, naunaiyautait mikivalaaktut. Ihumayut amigaitut umayukhiuktut tuhaktitiyuitait katitigutainik. Nalunaituk umayukhiuktut katitivaktut kiviunik 100nit ivavinit, kimakpaktut ilanganik kiviunik ivavini. Kiviut niuviktauuyuituk; atuktauvaktut nunani Inuni (C.F.).
- ¹¹ **Ikaliviit:** Ilaani kinauyaligutinik ikalukhiukpaktut Umayukhiukhimayut Ihivgiukhimatitlugit. Kihimi, ikaluit niuviktauvaktut HTOkunut ovalo nunamini niuvikvinit. Ihumayut hapkoa kinauyaliugutit ikalukhiutuni tuhaktitihimayut atuktaktaini umayukhiukhimayunut ovalo ilayut umayukhiukhimayuni naunaiyautainut. Naunaiyautit naamaktut (C.F.).
- ¹² **Kanayuit:** Kanayuit umayukhiukpaktut tamamik ukiuni, katitikhimayut ukiumi 5mi titigakhimayut umayukhiungitut tuhaktitiyuni ihuinaakhimayuk (C.F.).
- ¹³ **Uviluit:** Inuit uvilukhilikpaktut tamaat ukiuni. Umayukhiuktut ukautauvaktut umayukhiuktakhait uvilut atuktakhaini pilutik. Ukiumi 2mi naunaiyautait 15,000nik pihimayut naamaktut. Ukiui 3mit 5mut, HTOkut katimayiit ihumayut umayukhiukhimayut aatjikutaayuk ukiumi 2mut kihimi langit umayukhiuktut nutkakhimayut tuhaktitihimayunik ihumaligamik maligaliuktut keelininianahuakhimaplutik hamna umayukhiutaktainik (C.F.).
- ¹⁴ **Uviluvaluit:** Aatjikutaatut uviluni umayukhiukhimayut, aomaayaktut umayukhiukhimayut aatjikiiktukhat ukiuni tamaat (C.F.).