



TABLE/ᑭᑭᑦᑭᑦᑭᑦ/NAUNAİKUTA 387

Monthly harvest estimates

ᑭᑭᑦᑭᑦᑭᑦ ᑭᑭᑦᑭᑦᑭᑦ ᑭᑭᑦᑭᑦᑭᑦ

Tatkiiktamat nahaktauvaktun

Year 1 (June 1996 - May 1997)

ᑭᑭᑦᑭᑦᑭᑦ 1 (ᑭᑭᑦ 1996 - ᑭᑭᑦ 1997)

Ukiunga 1 (June 1996 - May 1997)

Month/ᑭᑭᑦᑭᑦ/Tatkiia			JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	Total
			ᑭᑭᑦ	ᑭᑭᑦ	ᑭᑭᑦᑭᑦᑭᑦ	ᑭᑭᑦᑭᑦᑭᑦ	ᑭᑭᑦᑭᑦᑭᑦ	ᑭᑭᑦᑭᑦᑭᑦ	ᑭᑭᑦᑭᑦᑭᑦ	ᑭᑭᑦᑭᑦᑭᑦ	ᑭᑭᑦᑭᑦᑭᑦ	ᑭᑭᑦᑭᑦᑭᑦ	ᑭᑭᑦᑭᑦᑭᑦ	ᑭᑭᑦᑭᑦᑭᑦ	ᑭᑭᑦᑭᑦᑭᑦ
			Tamakiklugin ± 95% CI												
Species	ᑭᑭᑦᑭᑦ	Umajuin													
Caribou	ᑭᑭᑦᑭᑦᑭᑦ	Tuktut	11	39	54	21	11	2	11	38	43	11	26	7	274 ± 35
Musk-ox	ᑭᑭᑦᑭᑦᑭᑦ	Umingmait										5			5 ± 3
Polar bear†	ᑭᑭᑦᑭᑦᑭᑦ	Nanuit‡			3	2	7				2		15		
Tundra grizzly	ᑭᑭᑦᑭᑦᑭᑦ	Akhait		1											1 ± 1
Wolf	ᑭᑭᑦᑭᑦᑭᑦ	Amagut				1						3			4 ± 4
Arctic fox	ᑭᑭᑦᑭᑦᑭᑦ	Tigiganiat						2	24	9	46	13			94 ± 44
Arctic hare	ᑭᑭᑦᑭᑦᑭᑦ	Ukalik												2	2 ± 2
Arctic ground squirrel	ᑭᑭᑦᑭᑦᑭᑦ	Hikhik											3	5	8 ± 9
Seals (unspecified)	ᑭᑭᑦᑭᑦᑭᑦ	Natiit	50	34	47	15		20	18	6	18	39	6	14	267 ± 36
Ringed seal	ᑭᑭᑦᑭᑦᑭᑦ	Natiinat		3											3 ± 2
Bearded seal	ᑭᑭᑦᑭᑦᑭᑦ	Ukyuk		8	9										17 ± 5
Narwhal	ᑭᑭᑦᑭᑦᑭᑦ	Tuugaak				1									1 ± 1
Geese (unspecified)	ᑭᑭᑦᑭᑦᑭᑦ	Kanguk		1											1 ± 1
Canada goose	ᑭᑭᑦᑭᑦᑭᑦ	Nikliknik	2												2 ± 0
Black guillemot	ᑭᑭᑦᑭᑦᑭᑦ	Black guillemot				1									1 ± 1
Ptarmigan	ᑭᑭᑦᑭᑦᑭᑦ	Akilgik	6								1	2			9 ± 2
Goose eggs	ᑭᑭᑦᑭᑦᑭᑦ	Uluaguliit manniit	15												15 ± 0
Arctic char	ᑭᑭᑦᑭᑦᑭᑦ	Ikaliviit	579	2,755	1,641	1,298	10,955	458		47	68	178	24	75	18,078 ± 4,280
Freshwater fish (unspecified)	ᑭᑭᑦᑭᑦᑭᑦ	Tahinik Ikaluit		4											4 ± 3
Lake trout	ᑭᑭᑦᑭᑦᑭᑦ	Ikalukpik	222	8		4	7			2			30	12	285 ± 187

† Polar bear data supplied by DSD.

‡ ᑭᑭᑦᑭᑦᑭᑦ ᑭᑭᑦᑭᑦᑭᑦ ᑭᑭᑦᑭᑦᑭᑦ ᑭᑭᑦᑭᑦᑭᑦ.

‡ Nanuin nahagaumajut pijauhijumajut Ikipulikijunik.



TABLE/ᑲᑭᑦᑲᑦᑲᑦ/NAUNAUKUTA 402

Number of hunters harvesting each species

Year 4 (June 1999 - May 2000)

ᑲᑦᑲᑦᑲᑦᑲᑦ ᑲᑦᑲᑦᑲᑦᑲᑦ ᑲᑦᑲᑦᑲᑦᑲᑦ ᑲᑦᑲᑦᑲᑦᑲᑦ

ᑲᑦᑲᑦᑲᑦ 4 (ᑲᑦᑲᑦ 1999 - ᑲᑲ 2000)

Amigaitiginigin angunahukpaktun anguvaktaitlu kanugitugiagin

Ukiunga 4 (June 1999 - May 2000)

Month/ᑲᑦᑲᑦᑲᑦ/Tatkiia			JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	Total
			ᑲᑦᑲᑦ	ᑲᑦᑲᑦ	ᑲᑦᑲᑦᑲᑦ	ᑲᑦᑲᑦᑲᑦ	ᑲᑦᑲᑦᑲᑦ	ᑲᑦᑲᑦᑲᑦ	ᑲᑦᑲᑦᑲᑦ	ᑲᑦᑲᑦᑲᑦ	ᑲᑦᑲᑦᑲᑦ	ᑲᑦᑲᑦ	ᑲᑦᑲᑦ	ᑲᑦᑲᑦ	ᑲᑦᑲᑦᑲᑦ
Species	ᑲᑦᑲᑦ	Umajuin													ᑲᑦᑲᑦᑲᑦ Tamakiklugin ± 95% CI
Caribou	ᑲᑦᑲᑦᑲᑦ	Tuktut	10	8	15	9	7	9	3	9	14	14	21	23	56
Musk-ox	ᑲᑦᑲᑦᑲᑦ	Umingmait						3					1		4
Polar bear [#]	ᑲᑦᑲᑦᑲᑦ [#]	Nanuit [#]	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
Wolf	ᑲᑦᑲᑦᑲᑦ	Amagut										2	3	3	6
Arctic fox	ᑲᑦᑲᑦᑲᑦ	Tigiganiat						2	1	2	1			1	6
Coloured fox	ᑲᑦᑲᑦᑲᑦ	Kalaliit tigiganiat											1		1
Wolverine	ᑲᑦᑲᑦ	Kalvik										1	1		2
Seals (unspecified)	ᑲᑦᑲᑦ	Natiit										5	7	12	15
Ringed seal	ᑲᑦᑲᑦ	Natiinat	20	11	15	6	1	7	2	8	4	4	2	1	45
Bearded seal	ᑲᑦᑲᑦ	Ukyuk		3	3	1									6
Harbour seal	ᑲᑦᑲᑦ	Qanigiaq	1												1
Canada goose	ᑲᑦᑲᑦ	Nikliknik	1	1										1	2
Eider duck	ᑲᑦᑲᑦ	Kingalik	2	1											3
Goose eggs	ᑲᑦᑲᑦ	Uluaguliit manniit	1												1
Arctic char	ᑲᑦᑲᑦ	Ikaliviit	3	2	5		13	4			4	3	1	4	31
Lake trout	ᑲᑦᑲᑦ	Ikalukpik	1	2	1		1				1		6	20	23

[#] No data are available corresponding to the harvest numbers shown in the harvest estimates table which were provided by DSD.

[#] ᑲᑦᑲᑦᑲᑦᑲᑦ ᑲᑦᑲᑦᑲᑦᑲᑦ ᑲᑦᑲᑦᑲᑦᑲᑦ ᑲᑦᑲᑦᑲᑦᑲᑦ ᑲᑦᑲᑦᑲᑦᑲᑦ ᑲᑦᑲᑦᑲᑦᑲᑦ ᑲᑦᑲᑦᑲᑦᑲᑦ.

[#] Nahagauhimaitut titigakhimajunik pitman kanuk angujaukatahimajunik kanukitunit pijaumajut ikupiktulikijiniik.



KUGAARUK/ᑲᕐᑲᕐᑲᕐᑲᕐᑲ/KUGAARUK

TABLE/ᑲᕐᑲᕐᑲᕐᑲᕐᑲ/NAUNAİKUTA 403

Monthly harvest estimates

ᑕᕐᑲᕐᑲᕐᑲᕐᑲ ᑲᕐᑲᕐᑲᕐᑲ ᑲᕐᑲᕐᑲᕐᑲ

Tatkiktamat nahaktauvaktun

Year 5 (June 2000 - May 2001)

ᑲᕐᑲᕐᑲ 5 (ᑲᕐᑲ 2000 - ᑲᕐᑲ 2001)

Ukiunga 5 (June 2000 - May 2001)

Month/ᑕᕐᑲᕐᑲ/Tatkia			JUN ᑲᕐᑲ	JUL ᑲᕐᑲ	AUG ᑲᕐᑲ	SEP ᑲᕐᑲ	OCT ᑲᕐᑲ	NOV ᑲᕐᑲ	DEC ᑲᕐᑲ	JAN ᑲᕐᑲ	FEB ᑲᕐᑲ	MAR ᑲᕐᑲ	APR ᑲᕐᑲ	MAY ᑲᕐᑲ	Total ᑲᕐᑲ Tamakiklugin ± 95% CI	
Species	ᑲᕐᑲ	Umajuin														
Caribou	ᑲᕐᑲ	Tuktut	23	26	104	85	1	7	24	20	38	35	34	14	411 ± 16	
Musk-ox	ᑲᕐᑲ	Umingmait						4			6				10 ± 2	
Polar bear†	ᑲᕐᑲ	Nanuit†					4	1		3		4	1		13	
Wolf	ᑲᕐᑲ	Amagut								2		6	6	1	15 ± 3	
Arctic fox	ᑲᕐᑲ	Tigiganiat						6	14	6	6	2	7		41 ± 7	
Coloured fox	ᑲᕐᑲ	Kalaliit tigiganiat							2						2 ± 0	
Wolverine	ᑲᕐᑲ	Kalvik						1	1			3			5 ± 1	
Seals (unspecified)	ᑲᕐᑲ	Natiit	147	71	73	28	3								322 ± 22	
Ringed seal	ᑲᕐᑲ	Natiinat	13	13	20	13	8	4	3	19	10	11	25	25	164 ± 13	
Bearded seal	ᑲᕐᑲ	Ukyuk			6		1								7 ± 1	
Narwhal	ᑲᕐᑲ	Tuugaak			1	14									15 ± 2	
Ptarmigan	ᑲᕐᑲ	Akilgik							2		1				3 ± 1	
Goose eggs	ᑲᕐᑲ	Uluaguliit manniit		49											49 ± 28	
Arctic char	ᑲᕐᑲ	Ikaliviit	280	585	437	60	2,255	586	65	52	136	46	23	106	4,631 ± 479	
Lake trout	ᑲᕐᑲ	Ikalukpik	246	241	6	5							9	121	628 ± 39	

† Polar bear data supplied by DSD.

‡ ᑲᕐᑲᕐᑲ ᑲᕐᑲᕐᑲᕐᑲ ᑲᕐᑲᕐᑲ ᑲᕐᑲᕐᑲᕐᑲ.

† Nanuin nahagaumajut pijauhimajut Ikupiktulikijinik.

6.2.4



TABLE/ᑕᑭᑦᐱᑦᐱᑦ/NAUNAIKUTA 407

Annual harvest estimates and five-year mean

All Years (June 1996 - May 2001)

ᑕᑭᑦᐱᑦᐱᑦ ᑕᑭᑦᐱᑦᐱᑦ ᑕᑭᑦᐱᑦᐱᑦ ᑕᑭᑦᐱᑦᐱᑦ ᑕᑭᑦᐱᑦᐱᑦ ᑕᑭᑦᐱᑦᐱᑦ ᑕᑭᑦᐱᑦᐱᑦ ᑕᑭᑦᐱᑦᐱᑦ

CLΔᑦᐱᑦ ᑕᑭᑦᐱᑦᐱᑦ (ᑕᑭᑦᐱᑦ 1996 - ᑕᑭᑦᐱᑦ 2001)

Study Year/ᑕᑭᑦᐱᑦᐱᑦ ᑕᑭᑦᐱᑦᐱᑦ/Thivgiukimayut Ukiumi			1	2	3	4	5	Mean ᑕᑭᑦᐱᑦᐱᑦ ᑕᑭᑦᐱᑦᐱᑦ Amigaitkiyait
			96/97	97/98	98/99	99/00	00/01	
Species	ᑕᑭᑦᐱᑦ	Umajuin						
Caribou ¹	ᑕᑭᑦᐱᑦᐱᑦ ¹	Tuktut ¹	274	589	449	425	411	430
Musk-ox ²	ᑕᑭᑦᐱᑦᐱᑦ ²	Umingait ²	5	1	5	7	10	6
Polar bear ³	ᑕᑭᑦᐱᑦᐱᑦ ³	Nanuit ³	15	8	13	14	13	13
Tundra grizzly ⁴	ᑕᑭᑦᐱᑦᐱᑦ ⁴	Akhait ⁴	1	0	0	0	0	<1
Wolf ⁵	ᑕᑭᑦᐱᑦᐱᑦ ⁵	Amagut ⁵	4	18	22	16	15	15
Arctic fox ⁶	ᑕᑭᑦᐱᑦᐱᑦ ⁶	Tigiganiat ⁶	94	88	9	16	41	50
Coloured fox	ᑕᑭᑦᐱᑦᐱᑦ ⁶	Kalaliit tigiganiat	0	0	0	1	2	1
Wolverine	ᑕᑭᑦᐱᑦᐱᑦ ⁶	Kalvik	0	0	2	2	5	2
Arctic hare	ᑕᑭᑦᐱᑦᐱᑦ ⁶	Ukalik	2	0	0	0	0	<1
Arctic ground squirrel	ᑕᑭᑦᐱᑦᐱᑦ ⁶	Hikhik	8	5	0	0	0	3
Seals (unspecified) ⁷	ᑕᑭᑦᐱᑦᐱᑦ ⁷	Natiit ⁷	267	119	3	48	322	152
Ringed seal ⁷	ᑕᑭᑦᐱᑦᐱᑦ ⁷	Natiinat ⁷	3	319	364	377	164	245
Bearded seal ⁷	ᑕᑭᑦᐱᑦᐱᑦ ⁷	Ukyuk ⁷	17	18	14	12	7	14
Harbour seal ⁷	ᑕᑭᑦᐱᑦᐱᑦ ⁷	Qanigiat ⁷	0	0	0	2	0	<1
Narwhal ⁸	ᑕᑭᑦᐱᑦᐱᑦ ⁸	Tuugaak ⁸	1	10	4	0	15	6
Geese (unspecified)	ᑕᑭᑦᐱᑦᐱᑦ ⁹	Kanguk	1	0	0	0	0	<1
Snow goose ⁹	ᑕᑭᑦᐱᑦᐱᑦ ⁹	Kanguq ⁹	0	9	0	0	0	2
Canada goose ¹⁰	ᑕᑭᑦᐱᑦᐱᑦ ¹⁰	Nikliknik ¹⁰	2	9	4	6	0	4
Eider duck ¹¹	ᑕᑭᑦᐱᑦᐱᑦ ¹¹	Kingalik ¹¹	0	0	0	20	0	4
Red-throated loon	ᑕᑭᑦᐱᑦᐱᑦ ¹²	Qaqhuaq	0	3	0	0	0	1
Yellow-billed loon	ᑕᑭᑦᐱᑦᐱᑦ ¹³	Tuulik	0	1	0	0	0	<1
Black guillemot	ᑕᑭᑦᐱᑦᐱᑦ ¹⁴	Black guillemot	1	0	0	0	0	<1
Ptarmigan	ᑕᑭᑦᐱᑦᐱᑦ ¹⁵	Akilgik	9	1	4	0	3	3
Sandhill crane	ᑕᑭᑦᐱᑦᐱᑦ ¹⁶	Tatilgaq	0	2	0	0	0	<1
Goose eggs ¹²	ᑕᑭᑦᐱᑦᐱᑦ ¹⁷	Uluaguliit manniit ¹²	15	32	0	1	49	19
Seagull eggs ¹²	ᑕᑭᑦᐱᑦᐱᑦ ¹⁸	Nauyat manniit ¹²	0	5	0	0	0	1
Arctic char ¹³	ᑕᑭᑦᐱᑦᐱᑦ ¹⁹	Ikaliviit ¹³	18,078	15,134	8,918	4,711	4,631	10,294
Freshwater fish (unspecified)	ᑕᑭᑦᐱᑦᐱᑦ ²⁰	Tahinik Ikaluit	4	0	0	0	0	1
Lake trout ¹⁴	ᑕᑭᑦᐱᑦᐱᑦ ²¹	Ikalukpik ¹⁴	285	799	226	370	628	462
Sculpin ¹⁵	ᑕᑭᑦᐱᑦᐱᑦ ²²	Kanayuk ¹⁵	0	776	0	0	0	155

^{1-15:} See page 528 for community feedback and other sources of data.

^{1-15:} ᑕᑭᑦᐱᑦᐱᑦ ᑕᑭᑦᐱᑦᐱᑦ 530 ᑕᑭᑦᐱᑦᐱᑦ ᑕᑭᑦᐱᑦᐱᑦ ᑕᑭᑦᐱᑦᐱᑦ ᑕᑭᑦᐱᑦᐱᑦ ᑕᑭᑦᐱᑦᐱᑦ.

^{1-15:} Takulugu makpigaak 532 nunanit kiutjutinganik ovalo aalanik naunaiyautainik.



TABLE/ᑕᑭᑦᑭᑦᑭᑦ/NAUNAİKUTA 408

Annual hunter response

ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ ᑭᑭᑦᑭᑦ

Angujauvaktu

All Years (June 1996 - May 2001)

ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ (ᑕᑭᑦ 1996 - ᑕᑭᑦ 2001)

Tamamik ukiuni (June 1996 - May 2001)

Study Year/ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ/Thivgiukimayut Ukiumi			1	2	3	4	5	Total ᑕᑭᑦᑭᑦᑭᑦ Tamakiklugin
			96/97	97/98	98/99	99/00	00/01	
Hunter Response Categories	ᑕᑭᑦᑭᑦᑭᑦ ᑭᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ	Angunahukpaktun Kiujaıt						
Monthly hunter list	ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ	Tatkitaman angunahuktut titigait	63	80	80	86	88	102*
Hunters interviewed	ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ	Angunahuktin apikhuktan	59	80	79	86	86	99*
Harvested Response Rate (%)	ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ (%)	Angujaujut Kiujuıt (%)	58	65	53	73	72	96*
			67	88	89	92	94	86**

* Hunters registered/interviewed/harvested at least once during the study.

** Mean annual response rate.

* ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ/ᑕᑭᑦᑭᑦᑭᑦ/ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ.

** ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ.

* Angunahuktin atiliukhimajut/apikhiktaunikut/anguhimajut talvani kaujihatatiplugin.

** Talvani angunahuknami kiujutaumajut.

6.2.4

TABLE/ᑕᑭᑦᑭᑦᑭᑦ/NAUNAİKUTA 409

Recall period between harvest and interview, expressed as % of total harvest records

ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ

Itkaumajaujut angunahuktunun apihijauvaktunutlu, kanuk amigaitiginit tamakiklugin angujauhijaujut

All Years (June 1996 - May 2001)

ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ (ᑕᑭᑦ 1996 - ᑕᑭᑦ 2001)

Tamamik ukiuni (June 1996 - May 2001)

Study Year/ᑕᑭᑦᑭᑦᑭᑦ ᑕᑭᑦᑭᑦᑭᑦ/Thivgiukimayut Ukiumi			1	2	3	4	5	Total ᑕᑭᑦᑭᑦᑭᑦ Tamakiklugin
			96/97	97/98	98/99	99/00	00/01	
Recall Period	ᑕᑭᑦᑭᑦᑭᑦ	Pigiakvia						
≤ 3 months	≤ 3 ᑕᑭᑦ	≤ tatkin pingahut	99	93	45	36	79	73
4-6 months	4-6 ᑕᑭᑦ	tatkin hitaman 6nut	0	7	32	41	21	19
> 6 months	> 6 ᑕᑭᑦ	> 6 tatkin	0	0	22	23	0	8



6.2.4 Community Results Discussion: Kugaaruk

The survey frame:

An assessment of under-enumeration during the community visit revealed that there were approximately 68 hunters who were not registered in the Harvest Study. Sixty-seven of these were Inuit - 62 occasional and five active hunters. It is estimated that there was one non-Inuit hunter with assigned hunting rights who was not registered - an occasional 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. Given that these unregistered hunters represent forty percent of the total hunter population and that five of the hunters were active hunters (Table 10) the effect of this bias on harvest estimates is likely very significant and could have caused an under-estimation of the community harvest of up to 50%. 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 although good in most months, were lower in year 1, when rates dropped below 50% in a few months, and in the first month of year 2. In years 3 to 5 response rates were high in almost all months, with only the occasional month below 75%. As seen in Table 9 the consistent intentional non-response rate in Kugaaruk was nil, and therefore was not a potential source of non-response bias.

Response rates were felt to be high enough and non-response bias low enough during years 2 to 5, with the exception of the first month in year 2, 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 year 1 and during the first month of year 2 (June 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 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, years 1, 2 and most of year 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 many cases, during several months in years 3 and 4. Recall error in these instances is more likely.

As noted in the comments associated with arctic char, below, there was commercial harvesting of char during the study. It appears that harvest estimates do include some of the commercial harvest early in the study and should be considered too high if only considering the subsistence harvest of the community. However, in the latter years of the study harvest estimates are thought to be too low to include both subsistence and commercial harvests.

Community feedback and other sources of data:

- ¹ **Caribou:** Caribou harvesting consisted of both barren-ground caribou and island caribou. Also, some hunters did not specify the type of caribou harvested. For the purpose of calculating harvest estimates they were combined into one category. All harvest estimates appear too low (C.F.).
- ² **Musk-ox:** The community was issued 15 tags per year but not all were taken. The HTO Board estimates about 5 per year were used. Although the year 2 estimate seems too low, some others seem a little high. The annual mean appears to be in the right range (C.F.).
- ³ **Polar bear:** Numbers displayed are not estimates but confirmed harvest numbers supplied by DSD (DSD PB).
- ⁴ **Tundra grizzly:** The community generally harvests about 1 bear annually, so data from years with no reported harvest may be incorrect (C.F.).



- ⁵ **Wolf:** Harvest estimates seem a little low. 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 40 wolf pelts were purchased in 1999/2000 (year 4) and 27 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). Based on this information the harvest estimates do appear to be low in the last two years of the study.
- ⁶ **Arctic fox:** Again, DSD provided reports for 1999/2000 and 2000/2001 (years 4 and 5) which indicated that 28 arctic fox pelts were purchased in 1999/2000 (year 4) and 48 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). Based on this information the harvest estimates may also be somewhat low.
- ⁷ **Seals:** Most of the unidentified seals were likely ringed seals. Harvest estimates may be a little low in some years but are in the right range. However, hunters reported that harbour seals are not hunted by the community and they questioned the report of this harvest in year 4 (C.F).
- ⁸ **Narwhal:** Some of the harvest estimates seem too low (C.F). The community had an annual quota of 10 but had harvested over quota on some occasions. However, there was one year in which no narwhal were harvested, so the data indicating no narwhal harvests in year 4 is accurate. 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) (DSD N/B):

96/97	97/98	98/99	99/00	00/01
7	15	8	0	30

These data indicate that harvest estimates appear low in four years of the study.

- ⁹ **Snow goose:** Harvest estimates seem low. Approximately 15-20 snow geese are harvested every year (C.F).
- ¹⁰ **Canada goose:** As per the snow goose comments above, about 15-20 Canada geese are harvested annually (C.F).
- ¹¹ **Eider duck:** Both king and common eiders are harvested around the community, however neither are very abundant (C.F).
- ¹² **Eggs:** Harvest estimates appear too low. Hunters commented that they did not know to report eggs. Eggs are harvested every year; mostly seagull eggs but some goose and eider duck eggs are also gathered (C.F).
- ¹³ **Arctic char:** Harvest estimates in years 4 and 5 seem too low. Arctic char were fished commercially in about 12 places around the community. It appears that in years 1 and 2 some of these commercially caught fish were reported, whereas estimates in the later years are thought to be too low and not to include commercial fishing (C.F). DFO records confirm that commercial quotas were issued during each year of the study (DFO F).
- ¹⁴ **Lake trout:** The HTO Board estimates that the community harvests between 600 and 700 annually. Based on this information estimates in some years may be low (C.F).
- ¹⁵ **Sculpin:** The estimate in year 2 seems high, but harvesters often catch them in nets when fishing for other species – they are usually thrown back in the water though (C.F).



6.2.4 Nunanit Inikhimayut Ukauhiit: Kugaaruk

Ihivgiuktit Atugutait:

Ihivgiufaakhimayut ataani naunaiyakhimayut nunani pulaakhimapluta takuhimayut 68kuyut umayukhiuktit titigakhimaitut umayukhiukhimayut ihivgiugutini. 67kuyut hapkoa Inuinait – 62kuyut ilaani umayukhiukpaktut ovalo talimat umayukhiukataktut. Naunaiyakhimayuk atauhik Inuinaungituk umayukhiukti tuniyauhimayut inminiugutimik titigakhimaitut – ilaani umayukhiukataktut. Ukakhimayuk ilangani 5.2.1 ikpinagutait hamna ataani naunaiyakhimayut ataanungalaaktuk ihumagiayaini umayukhiukhimayut naunaiyautaini. Taimaimat hapkoa titigakhimaitut umayukhiuktit pihimamata 40%nik tamaat umayukhiuktinit ovalo talimat umayukhiukatamata (ikpatauyak 10), ikpinagutait ihumagiayaini umayukhiukhimayut naunaiyautaini angiyut ovalo piyunaahiyut ataani naunaiyautaini nunani umayukhiukhimayuni 50%mik. Umayukhiukhimayut naunaiyautait titigakhimaitut umayukhiuktit naunaiyalaaktut atulugit anginikhaat umayukhiukhimayut amigaitjutait tamamik umayut aviktukhimalugit. Kihimi hapkoa naunaiyautit avataaniimat iniktigutait hamna iniktiguti tuhaktakhak. Taiguaktut apigilaaktut NWMBkunut pilutik iniktigutainik hapkoa naunaiyautainik.

Ihivgiugutait ovalo kiuyuitut ihumagiayait:

Kiuhimayut naunaiyautait naamaktuugaluit amigaituni tatikhiutini, mikiyut ukiumi 1mi, naunaiyautit katakhamamata ataanut 50%mit iki-tuni tatikhiutini ovalo hivulimi tatikhiutini ukiumi 2mi. Ukiumi 3mi ovalo 5mi kiuhimayut naunaiyautait angiyut tamamivyak tatikhiutini, ilangit tatikhiutit ataanut 75%mit. Takuhimayut Ikpatauyami 9 kiuyuitut naunaiyautait Kugaarukmi pikangitut ovalo pikangituk pilaaktunik pihimayaini kiuyuitut ihumagiayaini.

Kiuhimayut naunaiyautait ihumagiayuyut angiyut ovalo kiuyuitut ihumagiayait mikiyut ukiumi 2 ovalo 5, kihimi hivulimi tatikhiutimi ukiumi 2mi, piyaamini nni pihimayut naamaktumik naunaiyautini uktukhimayuni Nni umayukhiuktini. Taiguaktut piyukhat ihumagilugit atugumik katitikhimayunik katitigutainik ukiumi 1mi ovalo hivulimi tatikhiutimi (Junemi 1997) pilaaktuni tamamik uktukhimayut ihuinaagutaini ovalo kiuyuitut ihumagiayaini angiklilaamat kiuhimayut naunaiyautait katakaagata.

Atugutaini ihumagiayut ovalo kiuhimayut ihuinaagutait:

Tuhaktitihimayut nunani pulaakhimagafta ilangit maniit pikiutakhimayut ataani tuhaktitihimayut. Titigatiakhimayuk pihimayut nunanit ukakhimayaini ovalo aalani atuktaini katitikhimayuni ilangani hamani. Ilangani 5.4 pihimayutlu ukautitiagit hamna ihumagiayuyuk.

Takuhimayut utiktihimayut ubluini ikpatauyami, ukiut 1. 2 ovalo amigaitkiyaut ukiumi 5 naitumik utiktikhimayut ubluit amigaktut umayukhiukhimayut titigakhimayut katitikhimayut iluani pingahut tatikhiutini umayukhiukhimayaini, mikinikhaakhimayut atugutaini ihuinaagutini pihimagaagata utiktitihimayut pingitkaagata. Kihimi, utiktitihimayut ubluit takiyut, avataanut siksit tatikhiutit amigaituni, tatikhiutini ukiuni 3 ovalo 4. Utiktitihimayut ihuinaagutait hapkoa piyunaahiyut ilaani.

Titigakhimayut ukautini mikhaanut ikaliviit hamani, kinauyaliukhimayut umayukhiugutit ikalivini ihivgiuktitlugit. Takukhauyuk umayukhiukhimayut naunaiyautait ilauyut kinauyaliugutit umayukhiukhimayuni pilihaaliktitlugit ihivgiuktut ovalo ihumagiayuyukhat angiyut pivakpata atuktakhainik umayukhukhimayut nunani. Kihimi kinguliit ukiut ihivgiukhimayut umayukhiukhimayut naunaiyautaini ihumagiayuyut mikiyut ilaukpata tamamik atuktakhat ovalo kinauyaliukhimayut umayukhiukhimayut.

Nunanit ukakhimayut ovalo aalani atukhimayaini katitikhimayuni:

- ¹ **Tuktut:** Tuktut umayukhiukhimayut pihimayut tamamik nunani tuktut ovalo kikiktani tuktut. Ovalo ilangit umayukhiuktit ukatiakhimaitut kanugitunik tuktut umayukhiukhimayait. Atukhimayut naunaiyautaini umayukhiukhimayut naunaiyautait katitikhimayut atauhimut. Tamamik umayukhiukhimayut naunaiyautait mikiyut (C.F).
- ² **Umingmait:** Nunani tuniyauhimayut 15nik atugutikhainik ukiuk tamaat kihimi atuyuitut tamamik. HTOkut katimayiit naunaiyakhimayut 5nik ukiuk tamaat atukpaktut. Kihimi ukiumi 2 naunaiyautait mikiyut, ilangit ukiut kihimi angiyut. Ukiuk tamaat angitjutait atukpaktut naamaktut (C.F).
- ³ **Nanuit:** Amigaitjutait takuhimayut naunaiyautangitut kihimi pihimayut umayukhiukhimayut amigaitjutait tunihimayait DSDkut (DSD PB).
- ⁴ **Akhat:** Nunami umayukataktut atuhimik akhamik ukiuk tamaat, taimaimat katitikhimayut ukiut tuhaktitihimaitut umayukhimaitunik ihuitunakhiyut (C.F).



⁵ **Amagut:** Umayukhiukhimayut naunaiyautait mikiyut. Katitikhimayut pihimayut DSDkunit titigakhimayut amigaitjutait amiit niuviktauhimayut umayukhiuktinit. DSDkut tuhaktitihimayut pihimayut ukiuni 1999/2000 ovalo 2000/2001 (ukiuni 4 ovalo 5) ovalo titigakhimayut 40nik amagut amiit niuviktauhimayut 1999/2000mi (ukiuni 4) ovalo 27nik niuviktauhimayut 2000/2001mi (ukiuni 5) (nalungilutit DSDkut katitigutait atukpaktut umayukhiukviit ukiungit Julymit Junemut, Umayukhiukhimayut ihivgiugutait katitikhimayut atukhimayut Junemit Maymut) (DSD FB). Atukhugit hamna tuhagutikhat umayukhiukhimayut naunaiyautait mikiyut kingulimi malguni ukiuni ihivgiuktuni.

⁶ **Tigiganiat:** Ilaa, DSDkut tuhaktitihimayut 1999/2000 ovalo 2000/2001 (ukiuni 4 ovalo 5) titigakhimayut 28nik tigiganiat amiit niuviktauhimayut 1999/2000mi (ukiuni 4) ovalo 48nik niuviktauhimayut 2000/2001mi (ukiuni 5) (nalungilutit DSDkut katitikhimayait atukhimayut umayukhiukhimayut ukingit Julymit Junemut, Umayukhiukhimayut Ihivgiuktut katitikhimayait umayukhiukhimayut ukiungit Junemit Maymut) (DSD FB). Atukhugit hamna tuhagutikhatk umayukhiukhimayut naunaiyautait mikiyut.

⁷ **Natit:** Amigaitkiyait naunaiyakhimaitut natiit natinaaguyunakhiyut. Umayukhiukhimayut naunaiyautait mikiyut ilangaini ukiuni kihimi naamaktutut itut. Kihimi umayukhiuktutit tuhaktitihimayut Qanigiat umayukhiuktauyuitun nunani ovalo apigihimayut tuhaktakhani hamna umayukhimayuk ukiuni 4mi (C.F.).

⁸ **Tuugaat:** Ilangit umayukhiukhimayut naunaiyautait mikiyut (C.F.). Nunani ukiuk tamaat kotakaktut kulinik kihimi umayukhiukhimayut avataanut kotaminik ilaani. Kihimi atauhimi ukiuni tuugaakhimaitut, taimaimat katitikhimayut titigagutait tuugaakhimaitut ukiuni 4mi nakuuyuk. DFOkut tuhaktitihimayut hapkoa umayukhiukhimayut amigaitjutait tuugaat (nalungilutit DFOkut katitikhimayait atukhimayut ukiuminik, Umayukhiukhimayut ihivgiukhimayut katitikhimayait atukhimayut umayukhiukhimayut ukiungit Junemit Maymut) (DSD N/B):

96/97	97/98	98/99	99/00	00/01
7	15	8	0	30

Hapkoa katitikhimayut takukhauhimayut umayukhiukhimayut naunaiyautait mikiyut hitamani ukiuni ihivgiukhimayuni.

⁹ **Kanguq:** Umayukhiukhimayut naunaiyautait mikiyut. Ilaani 15nit 20nut kanguit pivaktut ukiuk tamaat (C.F.).

¹⁰ **Uluaguliit:** Aatjikutaatut kanguini, ukauhiit hamani 15nit 20nut uluaguliit pivaktut ukiuk tamaat (C.F.).

¹¹ **Tinniit:** Tamamik kingaliit ovalo mitiit pivaktut haniani nunami, kihimi tamamik ikitut (C.F.).

¹² **Maniit:** Umayukhiukhimayut naunaiyautait mikiyut. Umayukhiuktut ukakhimayut nalugamik tuhaktitilugit maniit. Maniit pikiuktauhimayut ukiuk tamaat; amigaitut nauyat mainiit kihimi ilangit uluaguliit ovalo mitiit maniit pikiutakpaktut (C.F.).

¹³ **Ikaliviit:** Umayukhiukhimayut naunaiyautait ukiuni 4 ovalo 5 mikiyut. Ikaliviit kinauyaliukhutik ikalukhiukpaktut 12ni haniani nunamini. Takukhauyuk ukiuni 1 ovalo2 ilangit hapkoa kinauyaliugutit pihimayut ikaluit tuhaktitauhimayut, kihimi naunaiyautait kinguani ukiut ihumagiyauyuk mikiyut ovalo ilaungitut kinauyaliukhimayuni ikalukhiuktunit (C.F.). DFOkut titihakhimayut kinauyaliukhimayuni kotanik tunihimayut tamamik ukiuni ihivgiuktutlugit (DFO F).

¹⁴ **Ikalukpiit:** HTOkut katimayiit naunaiyakhimayut nunat umayukhiukataktait 600ni5 700nut ukiuk tamaat. Atukhugit hamna tuhagutikhat naunaiyautait ilangit ukiut mikiyut (C.F.).

¹⁵ **Kanayut:** Naunaiyautait ukiuni 2 angiyut, kihimi umayukhiuktut pilikpaktait kuvyamini ikalukhiugaagamik aalanik ikalunik – igifaalikpaktait kihimi (C.F.).