

# Seal Hunting Statistics for Greenland 1993 and 1994, According to a New System of Collecting Information, Compared to the Previous Lists-of-Game

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## Abstract

In 1992 a new system of collecting hunting statistics for Greenland was introduced. The system is linked to renewal of hunting licences, and the individual hunters are obliged to fill out forms with their own results during the preceding year. Seal hunting results are now available for 1993 and 1994. For comparison a summary of previous catch statistics based on the so-called Lists-of-Game, and of seal skin purchase 1971–94, is added.

According to the new hunting statistics, the catch of harp seal was at a much higher level in 1993–94 than reported or estimated in the early-1980s. The catches of ringed and hooded seals were, however, not significantly different from the levels estimated previously. This might indicate that the increase in the catch of harp seal is real, but the reliability of the new system needs further investigation.

**Key words:** Catches, Greenland, seals, statistics

## Commentary

### Collection and Handling of Data

**The new system of collecting hunting statistics in Greenland.** In 1992 it was decided to introduce a new system of collecting hunting statistics in Greenland, and the system came into force from January 1993 (Anon., 1992, 1993a, 1993b). The system was linked to the issuing of hunting licences, of which two categories exist: one for full-time hunters, and another for part-time hunters. All Danish citizens (and foreigners having stayed more than two years in Greenland) can apply for a part-time licence and will get one if the conditions are met (paying the fee, and reporting), but for obtaining the status of full-time hunter the approval by the local municipal authorities is required. When the licence is issued, the hunter receives a small booklet for noting his catch results. It contains a form for each month, and a summary form for the whole year (a sample is shown in the Annex, form B). The list of species to be reported include marine mammals (except large whales), some terrestrial

mammals, and several game birds, altogether 21 species (see Annex).

Both full-time and part-time categories have to pay a small fee for renewal of the licence, and are obliged to report on their results during the preceding year. The licence year runs from October to September, and results are now available for the year 1993 and 1994. In 1993, about 9 500 licenses were issued (4 100 full-time and 5 400 part-time), and 7 671 reports were received (3 403 from full-time and 4 268 from part-time hunters). A number of licence holders reported "no catch", and in 1994 only about 7 200 licenses were issued (3 100 full-time and 4 100 part-time). For that year 6 293 reports (2 772 and 3 521, respectively) were received (by May 1995).

**The old system: The 'Lists-of-Game'.** Since the late 19th century hunting statistics have been collected in Greenland through the so-called Lists-of-Game. The principle in that system was that a person was appointed at each settlement to keep

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account of the hunting results of all the hunters at that settlement, and report to the central authorities on forms which were called 'Lists-of-Game', one for each individual engaged in hunting (Rosendahl, 1961; Kapel, 1975, 1986, MS 1991, MS 1993).

The Lists-of-Game never functioned completely satisfactorily for all settlements in Greenland. For shorter or longer periods reports were not received from a number of localities, or were clearly incomplete. For that reason, estimates of "non-reported catch" were given on a settlement-by-settlement basis, and added up by districts in the published summaries. These estimates constituted an increasing part of the estimated total catch during the 1970s and early-1980s, for which reason some users took the position that the statistics became increasingly unreliable, whereas others believed that the Lists-of-Game were still giving a picture of trends although they were not presenting exact but rather minimum figures (Kapel, MS 1991). The basis for the estimates of non-reported catch at a given settlement was the trade statistics mentioned below, various sources of local information, and comparison with reports from previous years and adjacent settlements in the same year.

In 1984 the responsibility for handling and publishing the summaries of the Lists-of-Game was transferred from the Ministry for Greenland to the Statistical Office of the Greenland Home Rule Authorities. The material for 1984 and 1985 was treated in the same way as in previous years (i.e. including estimates of non-reported catches), but never published. For 1986 and 1987 the material was still collected, but no estimate of non-reported catch was attempted. After that, the old system was discontinued and catch statistics for Greenland are not available for the years 1988 to 1992, when the above-mentioned new system was introduced.

The number of species reported through the Lists-of-Game has varied over time, but since 1971 they included all pinniped and cetacean species, polar bear and caribou, but not other land mammals or birds (see Annex).

**Trade (purchase) statistics.** Trade statistics have an even longer history in Greenland, dating back to the 18th Century. They contained information on a number of hunting products, including oil (blubber) and seal skin. Locally treated (washed but raw) seal skins were previously purchased by the local manager of the Royal Greenland Trade Department (KGH), sorted by species, quality and size category, and shipped to Denmark where they were either tanned or sold raw on annual auctions. There was no limitation in the number of skins that could be purchased locally, and the purchase statistics

could therefore be used for comparison with information from the catch statistics. The relation between the catch of seals and the purchase of skins varied from one locality to another, depending on the local use or interest in making an income from hunting, but the two sets of statistics often showed similar trends.

In recent years, however, most seal skins have been sent to South Greenland to be processed at the Home Rule owned tannery there, and due to market constraints and economical considerations the trading policy has changed, including suspension of the purchase of some seal skin categories (e.g. those of large harp seals). The present trade statistics for seal skins are thus no longer immediately comparable with the previous ones, or with the hunting statistics.

#### **Reported or Estimated Catch of Seals in 1993 and 1994**

The results of the new system of collecting hunting statistics in Greenland is shown for the three most important seal species in the following tables: Tables 1–6 present the information on the catch of harp, ringed and hooded seals by month and region or district (Fig. 1) for 1993. Table 7 (and Fig. 2) presents catch and purchase statistics for the periods 1971 to 1987 and 1971 to 1994, respectively, and Table 8 compares catch statistics for 1983 with 1993–94.

**Harp seal.** Tables 1, 3 and 5 give the data on the reported catch of harp seals in 1993 and 1994. According to this information 55 683 harp seals were caught in Greenland in 1993, of which just over 50% (28 290) were reported as young or immature seals ("blåsider", i.e. spotted animals: beaters and bedlamers). In 1994, the reported catch was 47 364 (23 746 spotted) harp seals. This catch level is the highest ever recorded for Greenland. Based on information from the Lists-of-Game and trends in purchase statistics, the catch of harp seals in 1992 was previously estimated to be of the order 25 000, the same level as in the late-1940s (Kapel, 1986, MS 1993), but the revised purchase figure for that year (24 000; Table 7) indicate that the catch may have been even higher.

The regional and seasonal distribution of the catches of harp seal (Tables 3 and 5) is in general agreement with previous data from the Lists-of-Game (Rosendahl, 1991; Kapel, 1975), and with recent information from tag recoveries (Kapel, 1996). It is worth noting that this most recent catch information indicates that quite a few harp seals spend the winter (December–March) in Greenland, these are not only immature animals but also many older seals ("sortsider", saddlebacks).

TABLE 1. Seal hunting statistics for Greenland, harp seal by month, region and age category<sup>a</sup>.

Harp Seal 1993														
Region*	Month													Total
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII		
N+NW	B	157	19	14	28	40	193	740	1 272	1 293	742	234	52	4 784
	S	101	49	6	23	136	270	804	985	1 263	864	454	59	5 014
	G	<b>258</b>	<b>68</b>	<b>20</b>	<b>51</b>	<b>176</b>	<b>463</b>	<b>1 544</b>	<b>2 257</b>	<b>2 556</b>	<b>1 606</b>	<b>688</b>	<b>111</b>	<b>9 798</b>
CWe	B	48	40	24	6	19	2 240	533	794	503	304	211	127	4 849
	S	150	29	15	16	86	788	675	517	393	348	376	248	3 641
	G	<b>198</b>	<b>69</b>	<b>39</b>	<b>22</b>	<b>105</b>	<b>3 028</b>	<b>1 208</b>	<b>1 311</b>	<b>896</b>	<b>652</b>	<b>587</b>	<b>375</b>	<b>8 490</b>
CWw	B	261	116	78	27	26	378	927	1 003	809	604	615	423	5 267
	S	359	151	43	23	72	691	727	582	623	539	636	561	5 007
	G	<b>620</b>	<b>267</b>	<b>121</b>	<b>50</b>	<b>98</b>	<b>1 069</b>	<b>1 654</b>	<b>1 585</b>	<b>1 432</b>	<b>1 143</b>	<b>1 251</b>	<b>984</b>	<b>10 274</b>
SW	B	764	1 623	1 003	453	409	769	1 221	1 234	1 066	682	643	611	10 478
	S	783	696	700	318	562	1 278	1 184	805	799	456	308	322	8 211
	G	<b>1 547</b>	<b>2 319</b>	<b>1 703</b>	<b>771</b>	<b>971</b>	<b>2 047</b>	<b>2 405</b>	<b>2 039</b>	<b>1 865</b>	<b>1 138</b>	<b>951</b>	<b>933</b>	<b>18 689</b>
S	B	234	192	227	157	163	243	299	207	174	138	94	76	2 204
	S	522	351	471	444	398	586	711	455	459	496	147	139	5 179
	G	<b>756</b>	<b>543</b>	<b>698</b>	<b>601</b>	<b>561</b>	<b>829</b>	<b>1 010</b>	<b>662</b>	<b>633</b>	<b>634</b>	<b>241</b>	<b>215</b>	<b>7 383</b>
E	B	4	2	8	5	15	20	176	226	109	78	40	25	708
	S	2	1	17	2	3	10	117	56	80	24	22	7	341
	G	<b>6</b>	<b>3</b>	<b>25</b>	<b>7</b>	<b>18</b>	<b>30</b>	<b>293</b>	<b>282</b>	<b>189</b>	<b>102</b>	<b>62</b>	<b>32</b>	<b>1 049</b>
TOTAL	B	1 468	1 992	1 354	676	672	3 843	3 896	4 736	3 954	2 548	1 837	1 314	28 290
	S	1 917	1 277	1 252	826	1 257	3 623	4 218	3 400	3 617	2 727	1 943	1 336	27 393
TOTAL	G	<b>3 385</b>	<b>3 269</b>	<b>2 606</b>	<b>1 502</b>	<b>1 929</b>	<b>7 466</b>	<b>8 114</b>	<b>8 136</b>	<b>7 571</b>	<b>5 275</b>	<b>3 780</b>	<b>2 650</b>	<b>55 683</b>

Harp Seal 1994														
Region	Month													Total
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII		
N+NW	B	24	15	7	14	36	137	487	899	1 333	640	168	35	3 815
	S	35	23	8	10	15	130	504	643	893	656	291	39	3 247
	G	<b>59</b>	<b>38</b>	<b>15</b>	<b>24</b>	<b>51</b>	<b>267</b>	<b>991</b>	<b>1 542</b>	<b>2 226</b>	<b>1 296</b>	<b>459</b>	<b>74</b>	<b>7 062</b>
CWe	B	59	29	18	22	22	133	418	736	616	173	97	85	2 408
	S	155	39	20	15	37	381	495	428	326	221	191	140	2 448
	G	<b>214</b>	<b>68</b>	<b>38</b>	<b>37</b>	<b>59</b>	<b>514</b>	<b>913</b>	<b>1 164</b>	<b>942</b>	<b>394</b>	<b>288</b>	<b>225</b>	<b>4 856</b>
CWw	B	209	131	38	15	50	259	599	832	1 074	468	437	198	4 310
	S	382	133	56	17	60	380	524	477	640	364	437	414	3 874
	G	<b>591</b>	<b>264</b>	<b>94</b>	<b>32</b>	<b>110</b>	<b>639</b>	<b>1 123</b>	<b>1 309</b>	<b>1 714</b>	<b>832</b>	<b>874</b>	<b>612</b>	<b>8 184</b>
SW	B	924	961	618	393	362	782	1 218	1 505	1 539	642	524	440	9 919
	S	590	542	483	255	502	1 183	1 057	1 012	978	533	240	226	7 601
	G	<b>1 514</b>	<b>1 503</b>	<b>1 101</b>	<b>648</b>	<b>864</b>	<b>1 965</b>	<b>2 275</b>	<b>2 517</b>	<b>2 517</b>	<b>1 175</b>	<b>764</b>	<b>666</b>	<b>17 520</b>
S	B	186	150	160	315	230	391	455	361	243	148	109	74	2 819
	S	324	346	437	859	505	807	862	713	678	249	261	144	6 185
	G	<b>510</b>	<b>496</b>	<b>597</b>	<b>1 174</b>	<b>735</b>	<b>1 198</b>	<b>1 317</b>	<b>1 074</b>	<b>921</b>	<b>397</b>	<b>370</b>	<b>218</b>	<b>9 004</b>
E	B	5	3	3	1	4	4	100	114	107	73	52	9	475
	S	2	—	4	3	6	20	74	47	53	29	12	13	263
	G	<b>7</b>	<b>3</b>	<b>7</b>	<b>4</b>	<b>10</b>	<b>24</b>	<b>174</b>	<b>161</b>	<b>160</b>	<b>102</b>	<b>64</b>	<b>22</b>	<b>738</b>
TOTAL	B	1 407	1 289	844	760	704	1 706	3 277	4 447	4 912	2 144	1 387	841	23 746
	S	1 488	1 083	1 008	1 159	1 125	2 901	3 516	3 320	3 568	2 052	1 432	976	23 618
TOTAL	G	<b>2 895</b>	<b>2 372</b>	<b>1 852</b>	<b>1 919</b>	<b>1 825</b>	<b>4 607</b>	<b>6 793</b>	<b>7 767</b>	<b>8 480</b>	<b>4 196</b>	<b>2 819</b>	<b>1 817</b>	<b>47 364</b>

<sup>a</sup> See Fig. 1 for Region names.<sup>a</sup> Age category: B = beaters and bedlamers, S = saddlebacks, G = total.

TABLE 2. Seal hunting statistics for Greenland, hooded and ringed seals by month and region.

Region*	Month												Total
	I	II	III	VI	V	VI	VII	VIII	IX	X	XI	XII	
<b>Hooded Seal 1993</b>													
N+NW	22	5	13	13	32	17	57	129	114	101	29	8	540
CWe	24	14	12	17	78	17	22	28	42	14	1	5	274
CWw	20	15	17	64	135	35	20	40	31	14	8	7	406
SW	111	126	127	359	430	156	106	70	77	61	135	146	1 904
S	46	27	65	129	547	454	225	65	24	47	145	32	1 806
E	22	24	7	52	56	103	1 023	378	149	93	52	17	1 976
<b>TOTAL</b>	<b>245</b>	<b>211</b>	<b>241</b>	<b>634</b>	<b>1 278</b>	<b>782</b>	<b>1 453</b>	<b>710</b>	<b>437</b>	<b>330</b>	<b>370</b>	<b>215</b>	<b>6 906</b>
<b>Ringed Seal 1993</b>													
N+NW	5 780	3 586	2 961	3 717	5 508	2 945	1 735	2 036	3 427	2 146	1 792	1 750	37 283
CWe	526	419	567	980	967	333	131	142	152	188	279	289	4973
CWw	2 071	3 078	2 790	2 840	3 250	262	111	62	192	206	516	701	16 079
SW	603	524	643	866	780	280	205	238	276	259	405	402	5 481
S	242	210	479	348	388	355	385	257	182	181	116	168	3 311
E	723	827	803	966	673	701	794	719	646	591	562	412	8 417
<b>TOTAL</b>	<b>9 945</b>	<b>8 644</b>	<b>8 243</b>	<b>9 717</b>	<b>11 566</b>	<b>4 876</b>	<b>3 361</b>	<b>3 454</b>	<b>4 875</b>	<b>3 571</b>	<b>3 670</b>	<b>3 722</b>	<b>75 644</b>
<b>Hooded Seal 1994</b>													
Region*	Month												Total
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
N+NW	9	—	—	2	129	35	328	185	195	159	9	4	1 055
CWe	6	6	4	17	48	27	16	56	44	13	1	2	240
CWw	15	3	10	61	163	50	39	36	39	9	4	5	434
SW	122	108	96	302	383	132	109	102	112	75	46	15	1 602
S	24	19	22	179	405	429	180	78	29	16	81	21	1 483
E	22	14	5	40	49	379	1 604	433	127	63	23	17	2 776
<b>TOTAL</b>	<b>198</b>	<b>150</b>	<b>137</b>	<b>601</b>	<b>1 177</b>	<b>1 052</b>	<b>2 276</b>	<b>890</b>	<b>546</b>	<b>335</b>	<b>164</b>	<b>64</b>	<b>7 590</b>
<b>Ringed Seal 1994</b>													
N+NW	5 104	3 892	2 446	3 507	5 949	2 477	1 387	1 087	1949	1 932	1 207	1 187	32 124
CWe	588	497	588	767	935	274	69	91	114	94	142	195	4 354
CWw	1 994	2 531	2 155	2 493	2 405	256	43	38	66	99	143	249	12 472
SW	586	716	837	1 128	743	223	162	190	245	226	241	278	5 575
S	345	316	559	359	409	341	373	280	160	53	71	44	3 310
E	797	727	832	737	589	632	585	446	433	421	342	285	6 826
<b>TOTAL</b>	<b>9 414</b>	<b>8 679</b>	<b>7 417</b>	<b>8 991</b>	<b>11 030</b>	<b>4 203</b>	<b>2 619</b>	<b>2 132</b>	<b>2 967</b>	<b>2 825</b>	<b>2 146</b>	<b>2 238</b>	<b>64 661</b>

\* See Fig. 1 for Region names.

TABLE 3. Seal hunting statistics for Greenland 1993, harp seal by month, district and age category<sup>1</sup>.

District		Month												Total
		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
Thule	B	—	—	2	3	—	2	3	2	28	20	5	—	65
	S	5	—	—	—	—	3	10	44	76	77	3	—	218
	G	<b>5</b>	—	<b>2</b>	<b>3</b>	—	<b>5</b>	<b>13</b>	<b>46</b>	<b>104</b>	<b>97</b>	<b>8</b>	—	<b>283</b>
Upernivik	B	138	4	8	21	37	96	218	413	590	426	148	19	2 118
	S	73	42	3	23	133	127	272	451	888	686	411	34	3 143
	G	<b>211</b>	<b>46</b>	<b>11</b>	<b>44</b>	<b>170</b>	<b>223</b>	<b>490</b>	<b>864</b>	<b>1 478</b>	<b>1 112</b>	<b>559</b>	<b>53</b>	<b>5 261</b>
Uummannaq	B	19	15	4	4	3	95	519	857	675	296	81	33	2 601
	S	23	7	3	—	3	140	522	490	299	101	40	25	1 653
	G	<b>42</b>	<b>22</b>	<b>7</b>	<b>4</b>	<b>6</b>	<b>235</b>	<b>1 041</b>	<b>1 347</b>	<b>974</b>	<b>397</b>	<b>121</b>	<b>58</b>	<b>4 254</b>
Ilulissat	B	25	30	24	6	18	2 166	451	670	359	216	117	90	4 172
	S	127	22	8	4	72	492	495	346	309	230	264	161	2 530
	G	<b>152</b>	<b>52</b>	<b>32</b>	<b>10</b>	<b>90</b>	<b>2 658</b>	<b>946</b>	<b>1 016</b>	<b>668</b>	<b>446</b>	<b>381</b>	<b>251</b>	<b>6 702</b>
Qasigiannguit	B	23	10	—	—	1	74	82	124	144	88	94	37	677
	S	23	7	7	12	14	296	180	171	84	118	112	87	1 111
	G	<b>46</b>	<b>17</b>	<b>7</b>	<b>12</b>	<b>15</b>	<b>370</b>	<b>262</b>	<b>295</b>	<b>228</b>	<b>206</b>	<b>206</b>	<b>124</b>	<b>1 788</b>
Qeqertarsuaq	B	70	34	12	10	3	57	126	184	138	110	93	50	887
	S	147	55	8	—	8	102	170	158	126	119	66	64	1 023
	G	<b>217</b>	<b>89</b>	<b>20</b>	<b>10</b>	<b>11</b>	<b>159</b>	<b>296</b>	<b>342</b>	<b>264</b>	<b>229</b>	<b>159</b>	<b>114</b>	<b>1 910</b>
Aasiaat	B	38	1	6	5	8	253	594	603	456	211	187	145	2 507
	S	55	17	10	12	50	511	466	318	344	219	295	214	2 511
	G	<b>93</b>	<b>18</b>	<b>16</b>	<b>17</b>	<b>58</b>	<b>764</b>	<b>1 060</b>	<b>921</b>	<b>800</b>	<b>430</b>	<b>482</b>	<b>359</b>	<b>5 018</b>
Kangaatsiaq	B	153	81	60	12	15	68	207	216	215	283	335	228	1 873
	S	157	79	25	11	14	78	91	106	153	201	275	283	1 473
	G	<b>310</b>	<b>160</b>	<b>85</b>	<b>23</b>	<b>29</b>	<b>146</b>	<b>298</b>	<b>322</b>	<b>368</b>	<b>484</b>	<b>610</b>	<b>511</b>	<b>3 346</b>
Sisimiut	B	166	214	190	91	75	172	333	456	423	317	233	164	2 834
	S	139	129	86	31	91	338	313	205	147	119	83	80	1 761
	G	<b>305</b>	<b>343</b>	<b>276</b>	<b>122</b>	<b>166</b>	<b>510</b>	<b>646</b>	<b>661</b>	<b>570</b>	<b>436</b>	<b>316</b>	<b>244</b>	<b>4 595</b>
Maniitsoq	B	255	331	463	175	142	189	320	281	245	138	176	258	2 973
	S	189	246	281	118	98	278	253	174	163	78	73	79	2 030
	G	<b>444</b>	<b>577</b>	<b>744</b>	<b>293</b>	<b>240</b>	<b>467</b>	<b>573</b>	<b>455</b>	<b>408</b>	<b>216</b>	<b>249</b>	<b>337</b>	<b>5 003</b>
Nuuk	B	252	966	254	111	91	162	287	340	263	162	166	112	3 166
	S	250	141	109	73	214	297	237	145	196	87	54	50	1 853
	G	<b>502</b>	<b>1 107</b>	<b>363</b>	<b>184</b>	<b>305</b>	<b>459</b>	<b>524</b>	<b>485</b>	<b>459</b>	<b>249</b>	<b>220</b>	<b>162</b>	<b>5 019</b>
Paamiut	B	91	112	96	76	101	246	281	157	135	65	68	77	1 505
	S	205	180	224	96	159	365	381	281	293	172	98	113	2 567
	G	<b>296</b>	<b>292</b>	<b>320</b>	<b>172</b>	<b>260</b>	<b>611</b>	<b>662</b>	<b>438</b>	<b>428</b>	<b>237</b>	<b>166</b>	<b>190</b>	<b>4 072</b>
Narsaq	B	19	28	31	16	22	71	89	57	37	26	19	15	430
	S	41	56	75	45	79	162	163	138	127	102	42	39	1 069
	G	<b>60</b>	<b>84</b>	<b>106</b>	<b>61</b>	<b>101</b>	<b>233</b>	<b>252</b>	<b>195</b>	<b>164</b>	<b>128</b>	<b>61</b>	<b>54</b>	<b>1 499</b>
Qaqortoq	B	92	89	93	91	103	132	165	124	93	70	40	39	1 131
	S	183	142	160	173	198	218	269	149	167	307	48	40	2 054
	G	<b>275</b>	<b>231</b>	<b>253</b>	<b>264</b>	<b>301</b>	<b>350</b>	<b>434</b>	<b>273</b>	<b>260</b>	<b>377</b>	<b>88</b>	<b>79</b>	<b>3 185</b>
Nanortalik	B	123	75	103	50	38	40	45	26	44	42	35	22	643
	S	298	153	236	226	121	206	279	168	165	87	57	60	2 056
	G	<b>421</b>	<b>228</b>	<b>339</b>	<b>276</b>	<b>159</b>	<b>246</b>	<b>324</b>	<b>194</b>	<b>209</b>	<b>129</b>	<b>92</b>	<b>82</b>	<b>2 699</b>
Ammassalik	B	4	2	8	4	15	20	176	226	107	78	40	25	705
	S	2	1	1	2	3	10	117	52	70	23	22	7	310
	G	<b>6</b>	<b>3</b>	<b>9</b>	<b>6</b>	<b>18</b>	<b>30</b>	<b>293</b>	<b>278</b>	<b>177</b>	<b>101</b>	<b>62</b>	<b>32</b>	<b>1 015</b>
Scoresbysund	B	—	—	—	1	—	—	—	—	2	—	—	—	3
	S	—	—	16	—	—	—	—	4	10	1	—	—	31
	G	—	—	<b>16</b>	<b>1</b>	—	—	—	<b>4</b>	<b>12</b>	<b>1</b>	—	—	<b>34</b>

<sup>1</sup> Age category: B = beaters and bedlamers, S = saddlebacks, G = total.

TABLE 4. Seal hunting statistics for Greenland 1993, hooded and ringed seals by month and district.

District	Month												Total
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
<b>Hooded Seal</b>													
Thule	—	—	—	—	—	—	1	2	6	3	—	—	12
Upernivik	10	3	11	9	26	10	46	79	62	53	10	—	319
Uummannaq	12	2	2	4	6	7	10	48	46	45	19	8	209
Ilulissat	23	12	10	14	49	9	16	24	18	11	—	4	190
Qasiannguit	1	2	2	3	29	8	6	4	24	3	1	1	84
Qeqertarsuaq	14	10	11	19	35	8	3	7	3	—	1	1	112
Aasiaat	4	4	5	25	78	24	14	32	25	8	7	6	232
Kangaatsiaq	2	1	1	20	22	3	3	1	3	6	—	—	62
Sisimiut	13	8	41	91	119	26	30	21	17	30	52	8	456
Maniitsoq	42	34	33	131	163	43	21	10	20	12	68	130	707
Nuuk	44	72	30	91	88	33	35	30	30	11	11	8	483
Paamiut	12	12	23	46	60	54	20	9	10	8	4	—	258
Narsaq	3	3	6	22	47	13	22	12	7	2	2	2	141
Qaqortoq	15	10	22	56	114	47	52	19	10	42	141	30	558
Nanortalik	28	14	37	51	386	394	151	34	7	3	2	—	1 107
Ammassalik	19	4	4	52	56	103	1 023	376	145	93	52	17	1 944
Scoresbysund	3	20	3	—	—	—	—	2	4	—	—	—	32
<b>TOTAL</b>	<b>245</b>	<b>221</b>	<b>241</b>	<b>634</b>	<b>1278</b>	<b>782</b>	<b>1 453</b>	<b>710</b>	<b>437</b>	<b>330</b>	<b>370</b>	<b>215</b>	<b>6 906</b>
<b>Ringed Seal</b>													
Thule	333	259	209	227	305	371	352	481	875	361	300	171	4 244
Upernivik	4 159	2 455	2 178	2 753	3 748	2 022	1 168	1 415	2 280	1 450	1 202	1 047	25 877
Uummannaq	1 288	872	574	737	1 455	552	215	140	272	335	290	532	7 262
Ilulissat	365	267	365	697	631	262	128	123	125	153	177	166	3 459
Qasigiannguit	161	152	202	283	336	71	3	19	27	35	102	123	1 514
Qeqertarsuaq	405	349	399	508	1 400	123	10	19	24	44	138	140	3 559
Aasiaat	650	1 577	1 301	1 223	1 168	98	90	36	110	71	182	295	6 801
Kangaatsiaq	1 016	1 152	1 090	1 109	682	41	11	7	58	91	196	266	5 719
Sisimiut	171	165	201	318	226	43	16	23	46	88	113	76	1 486
Maniitsoq	156	125	168	230	221	43	21	16	40	47	156	195	1 418
Nuuk	136	109	117	134	127	65	48	70	76	29	40	48	999
Paamiut	140	125	157	184	206	129	120	129	114	95	96	83	1 578
Narsaq	29	21	27	48	36	22	39	36	39	24	10	18	349
Qaqortoq	53	38	41	52	126	123	110	35	37	54	27	17	713
Nanortalik	160	151	411	248	226	210	236	186	106	103	79	133	2 249
Ammassalik	592	584	593	788	570	591	626	590	530	433	461	348	6 706
Scoresbysund	131	243	210	178	103	110	168	129	116	158	101	64	1 711
<b>TOTAL</b>	<b>9 945</b>	<b>8 644</b>	<b>8 243</b>	<b>9 717</b>	<b>11 566</b>	<b>4 876</b>	<b>3 361</b>	<b>3 454</b>	<b>4 875</b>	<b>3 571</b>	<b>3 670</b>	<b>3 722</b>	<b>75 644</b>

TABLE 5. Seal hunting statistics for Greenland 1994, harp seal by month, district and age category<sup>1</sup>.

District		Month												Total
		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
Thule	B	1	1	1	—	—	—	4	9	27	11	3	2	59
	S	1	—	—	2	—	2	7	11	65	27	3	—	118
	G	<b>2</b>	<b>1</b>	<b>1</b>	<b>2</b>	—	<b>2</b>	<b>11</b>	<b>20</b>	<b>92</b>	<b>38</b>	<b>6</b>	<b>2</b>	<b>177</b>
Upernivik	B	16	9	6	13	16	69	109	286	483	337	129	27	1 510
	S	8	8	8	6	8	43	110	290	516	554	255	34	1 840
	G	<b>24</b>	<b>17</b>	<b>14</b>	<b>19</b>	<b>24</b>	<b>112</b>	<b>219</b>	<b>576</b>	<b>999</b>	<b>891</b>	<b>384</b>	<b>61</b>	<b>3 350</b>
Uummannaq	B	7	5	—	1	20	68	374	604	823	292	36	6	2 246
	S	26	15	—	2	7	85	387	342	312	75	33	5	1 289
	G	<b>33</b>	<b>20</b>	—	<b>3</b>	<b>27</b>	<b>153</b>	<b>761</b>	<b>946</b>	<b>1</b>	<b>135</b>	<b>367</b>	<b>69</b>	<b>11</b>
Iluliassat	B	47	23	16	19	17	96	346	630	499	116	53	66	1 928
	S	103	28	19	14	27	245	376	313	245	145	140	87	1 742
	G	<b>150</b>	<b>51</b>	<b>35</b>	<b>33</b>	<b>44</b>	<b>341</b>	<b>722</b>	<b>943</b>	<b>744</b>	<b>261</b>	<b>193</b>	<b>153</b>	<b>3 670</b>
Qasigiannguit	B	12	6	2	3	5	37	72	106	117	57	44	19	480
	S	52	11	1	1	10	136	119	115	81	76	51	53	706
	G	<b>64</b>	<b>17</b>	<b>3</b>	<b>4</b>	<b>15</b>	<b>173</b>	<b>191</b>	<b>221</b>	<b>198</b>	<b>133</b>	<b>95</b>	<b>72</b>	<b>1 186</b>
Qeqertarsuaq	B	59	32	12	3	1	28	89	142	257	186	99	64	972
	S	132	59	10	11	4	34	97	132	192	144	67	69	951
	G	<b>191</b>	<b>91</b>	<b>22</b>	<b>14</b>	<b>5</b>	<b>62</b>	<b>186</b>	<b>274</b>	<b>449</b>	<b>330</b>	<b>166</b>	<b>133</b>	<b>1 923</b>
Aasiaat	B	10	8	5	4	44	160	367	456	484	124	109	63	1 834
	S	42	6	18	3	38	248	310	236	210	101	181	81	1 464
	G	<b>52</b>	<b>14</b>	<b>23</b>	<b>7</b>	<b>82</b>	<b>408</b>	<b>677</b>	<b>692</b>	<b>694</b>	<b>225</b>	<b>290</b>	<b>144</b>	<b>3 298</b>
Kangaatsiaq	B	140	91	21	8	5	71	143	234	333	158	229	71	1 504
	S	208	68	28	3	18	98	117	109	238	119	189	264	1 459
	G	<b>348</b>	<b>159</b>	<b>49</b>	<b>11</b>	<b>23</b>	<b>169</b>	<b>260</b>	<b>343</b>	<b>571</b>	<b>277</b>	<b>418</b>	<b>335</b>	<b>2 963</b>
Sisimiut	B	291	257	91	63	43	205	415	427	499	173	164	103	2 742
	S	189	135	63	34	65	285	291	234	219	121	79	63	1 778
	G	<b>480</b>	<b>392</b>	<b>154</b>	<b>97</b>	<b>108</b>	<b>490</b>	<b>706</b>	<b>661</b>	<b>718</b>	<b>294</b>	<b>243</b>	<b>166</b>	<b>4 520</b>
Maniitsoq	B	337	302	234	120	62	175	257	353	350	169	165	213	2 737
	S	146	177	192	34	66	241	147	120	152	73	52	71	1 471
	G	<b>483</b>	<b>479</b>	<b>426</b>	<b>154</b>	<b>128</b>	<b>416</b>	<b>404</b>	<b>473</b>	<b>502</b>	<b>242</b>	<b>217</b>	<b>284</b>	<b>4 208</b>
Nuuk	B	213	323	244	147	177	241	389	545	553	216	104	75	3 227
	S	113	103	97	75	126	293	299	250	268	208	43	26	1 901
	G	<b>326</b>	<b>426</b>	<b>341</b>	<b>222</b>	<b>303</b>	<b>534</b>	<b>688</b>	<b>795</b>	<b>821</b>	<b>424</b>	<b>147</b>	<b>101</b>	<b>5 128</b>
Paamiut	B	83	79	49	63	80	161	157	180	137	84	91	49	1 213
	S	142	127	131	112	245	364	320	408	339	131	66	66	2 451
	G	<b>225</b>	<b>206</b>	<b>180</b>	<b>175</b>	<b>325</b>	<b>525</b>	<b>477</b>	<b>588</b>	<b>476</b>	<b>215</b>	<b>157</b>	<b>115</b>	<b>3 664</b>
Narsaq	B	75	44	11	25	22	84	63	82	57	27	26	18	534
	S	44	84	74	63	94	195	154	178	193	81	73	39	1 272
	G	<b>119</b>	<b>128</b>	<b>85</b>	<b>88</b>	<b>116</b>	<b>279</b>	<b>217</b>	<b>260</b>	<b>250</b>	<b>108</b>	<b>99</b>	<b>57</b>	<b>1 806</b>
Qaqortoq	B	29	43	64	225	137	216	316	138	108	78	49	33	1 433
	S	125	101	144	588	204	407	486	307	324	115	130	64	2 995
	G	<b>154</b>	<b>144</b>	<b>208</b>	<b>813</b>	<b>341</b>	<b>623</b>	<b>802</b>	<b>445</b>	<b>432</b>	<b>193</b>	<b>179</b>	<b>97</b>	<b>4 428</b>
Nanortalik	B	82	63	85	65	71	91	76	141	78	43	34	23	852
	S	155	161	219	208	207	205	222	228	161	53	58	41	1 918
	G	<b>237</b>	<b>224</b>	<b>304</b>	<b>273</b>	<b>278</b>	<b>296</b>	<b>298</b>	<b>369</b>	<b>239</b>	<b>96</b>	<b>92</b>	<b>64</b>	<b>2 770</b>
Ammassalik	B	5	3	3	1	4	4	97	105	94	68	52	9	445
	S	2	—	4	3	6	20	69	41	25	20	12	13	215
	G	<b>7</b>	<b>3</b>	<b>7</b>	<b>4</b>	<b>10</b>	<b>24</b>	<b>166</b>	<b>146</b>	<b>119</b>	<b>88</b>	<b>64</b>	<b>22</b>	<b>660</b>
Scoresbysund	B	—	—	—	—	—	—	3	9	13	5	—	—	30
	S	—	—	—	—	—	—	5	6	28	9	—	—	48
	G	—	—	—	—	—	—	<b>8</b>	<b>15</b>	<b>41</b>	<b>14</b>	—	—	<b>78</b>

<sup>1</sup> Age category: B = beaters and bedlamers, S = saddlebacks, G = total

TABLE 6. Seal hunting statistics for Greenland 1994, hooded and ringed seals by month and district.

District	Month												Total
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
<b>Hooded Seal</b>													
Thule	—	—	—	—	60	15	265	77	30	10	3	1	461
Upernivik	—	—	—	—	64	17	33	69	114	125	5	—	427
Uummannaq	9	—	—	2	5	3	30	39	51	24	1	3	167
Ilulissat	6	6	3	11	33	25	15	50	36	11	1	2	199
Qasigiannguit	—	—	1	6	15	2	1	6	8	2	—	—	41
Qeqertarsuaq	8	1	—	15	41	15	8	4	2	5	1	2	102
Aasiaat	3	1	4	21	100	31	26	26	34	—	1	2	249
Kangaatsiaq	4	1	6	25	22	4	5	6	3	4	2	1	83
Sisimiut	33	36	20	79	120	34	20	29	30	10	2	2	415
Maniitsoq	60	26	25	90	95	20	23	6	15	11	29	4	404
Nuuk	24	39	44	96	124	45	51	52	39	49	8	5	576
Paamiut	5	7	7	37	44	33	15	15	28	5	7	4	207
Narsaq	2	4	1	12	30	10	17	12	6	3	3	1	101
Qaqortoq	19	9	13	73	54	71	46	42	16	10	43	17	413
Nanortalik	3	6	8	94	321	348	117	24	7	3	35	3	969
Ammassalik	22	14	5	40	49	378	1 604	407	123	63	23	17	2 745
Scoresbysund	—	—	—	—	—	1	—	26	4	—	—	—	31
<b>TOTAL</b>	<b>198</b>	<b>150</b>	<b>137</b>	<b>601</b>	<b>1 177</b>	<b>1 052</b>	<b>2 276</b>	<b>890</b>	<b>546</b>	<b>335</b>	<b>164</b>	<b>64</b>	<b>7 590</b>
<b>Ringed Seal</b>													
Thule	297	190	252	255	415	390	275	348	863	327	182	178	3 972
Upernivik	2 509	1 922	1 402	2 174	3 312	1 582	967	621	921	1 433	895	868	18 606
Uummannaq	2 298	1 780	792	1 078	2 222	505	145	118	165	172	130	141	9 546
Ilulissat	396	292	392	568	712	249	67	90	111	83	121	161	3 242
Qasigiannguit	192	205	196	199	223	25	2	1	3	11	21	34	1 112
Qeqertarsuaq	383	350	319	564	859	98	10	5	12	28	61	79	2 768
Aasiaat	695	1 087	935	991	906	102	26	22	14	38	37	76	4 929
Kanqaatsiaq	916	1 094	901	938	640	56	7	11	40	33	45	94	4 775
Sisimiut	129	170	206	353	183	31	9	22	29	31	59	42	1 264
Maniitsoq	160	161	197	273	205	46	23	13	40	62	85	102	1 367
Nuuk	147	224	202	247	189	70	44	60	71	70	31	47	1 402
Paamiut	150	161	232	255	166	76	86	95	105	63	66	87	1 542
Narsaq	20	14	36	33	11	22	24	35	24	5	2	5	231
Qaqortoq	49	43	59	83	74	104	78	88	53	20	14	4	669
Nanortalik	276	259	464	243	324	215	271	157	83	28	55	35	2 410
Ammassalik	633	520	658	598	448	542	538	333	316	290	274	230	5 380
Scoresbysund	164	207	174	139	141	90	47	113	117	131	68	55	1 446
<b>TOTAL</b>	<b>9 414</b>	<b>8 679</b>	<b>7 417</b>	<b>8 991</b>	<b>11 030</b>	<b>4 203</b>	<b>2 619</b>	<b>2 132</b>	<b>2 967</b>	<b>2 825</b>	<b>2 146</b>	<b>2 238</b>	<b>64 661</b>

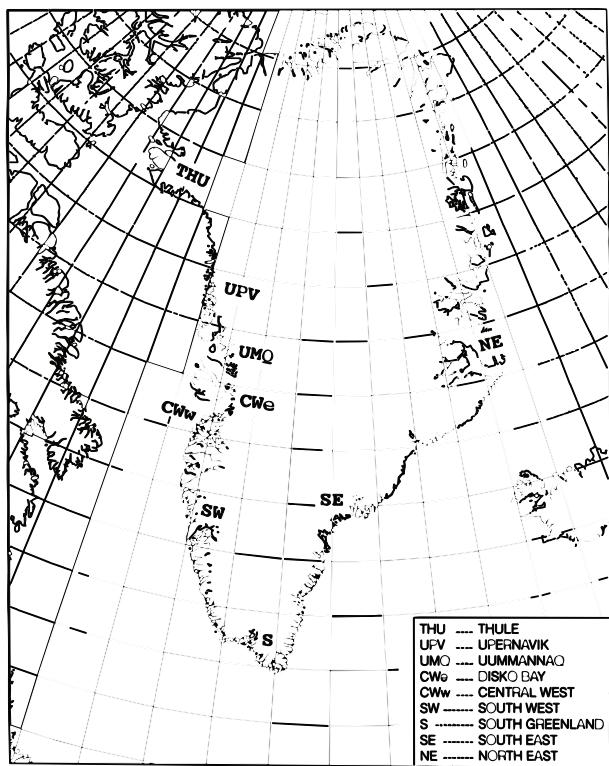


Fig. 1. Map showing the various regions for which statistic are reported.

**Hooded seal.** According to the new statistics, the catch of hooded seals was 6 906 in 1993 and 7 590 in 1994 (Tables 2 and 8). This level is slightly higher than the catches reported or estimated for the late-1970s and early-1987, but not significantly so (Table 7).

The regional and seasonal distribution of the hooded seal catches (Tables 4 and 6) agree fairly well with previous information (Rosendahl, 1961; Kapel, 1975), although the catch level in the southernmost part of West Greenland (South Greenland = Narsaq, Qaqortoq and Nanortalik districts) that used to be the "classical" area for hooded seal hunting in spring is now apparently not as dominant compared to the hunting in the region "Southwest Greenland" (Paamiut-Sisimiut). A strange feature is the very large catch of hooded seal reported from Thule district in July (May–August) 1994; this contrasts previous information and inquiries to a number of local hunters suggest that errors were made in filling in the reporting forms.

As in the case of harp seal, the new statistical information also indicates that a fair number of hooded seals spend the winter months in Greenland waters.

**Ringed seal.** Tables 2, 4, 6 and 8 show that the catches of ringed seals reported for 1993 (75 644) and 1994 (64 661) were within the range of the total annual catch of ringed seals in Greenland reported or estimated during the period 1971 to 1985 (59 000–97 000; Table 7).

Comparison of the regional distribution of estimated ringed seal catches in 1983 with those in 1993 and 1994 (Table 8) indicates, however, significant differences: For Thule, Ammassalik and Scoresbysund the catch levels estimated for 1983 were significantly higher than those reported for 1993 and 1994, whereas the 1983 levels estimated for several other districts (particularly in Central West Greenland) were significantly lower than reported in 1993 and 1994.

#### Preliminary Comments on the New Catch Data

The results of the new system of collecting hunting statistics in Greenland have only very recently become available to the authors, so a thorough analysis and evaluation has not been possible. The following comments should, therefore, be considered preliminary.

When comparing the old and new system of collecting hunting statistics two features should be noted: the difference in approach and the reporting intensity.

The Lists-of-Game represented an "indirect" reporting procedure: One person reporting the hunting results of everyone at a given settlement. As long as the settlements were small, this old system was feasible, and it seemed to work well for a number of years at many localities. But when the size of a settlement increased (say, to more than 2–300 inhabitants) it became increasingly difficult for a single person to keep track of all hunting, and at the same time the interest in doing so faded for a number of reasons. It is obvious that the number of reports (Lists-of-Game) received in 1983 (2 226; Table 8) did not reflect the number of people actually engaged in hunting. This led to the procedure of trying to estimate non-reported catches. Only in few cases was it possible to check whether these estimates resulted in under-estimating or over-estimating the catch.

The new system, the reporting linked to renewal of hunting licences, is a "direct" approach: Each hunter shall report his own results, and this should be possible independent of the size of the settlement. A main problem may be that many hunters are not used to paper work, and do not see the advantage of making exact notes on the dates and number of hunting objects he is landing. Whether this could lead to under-reporting, over-reporting,

TABLE 7. Catch of seals in Greenland 1971–87, and purchase of seal skins 1971–94.

Year	Total	Ringed	Harp	Other		
				Hooded	Bearded	Harbour
<b>Catch of Seals in Greenland, 1971 to 1987</b>						
1971	73 319	64 634	5 608	2 378	707	92
1972	78 736	67 714	6 042	4 210	707	71
1973	91 116	77 775	9 300	3 331	661	49
1974	85 998	74 015	7 244	4 019	616	68
1975	84 460	72 793	6 146	4 767	685	72
1976	85 951	71 882	8 074	5 063	864	83
1977	97 877	81 168	10 031	6 009	642	58
1978	108 626	90 528	10 978	6 404	679	37
1979	117 027	97 326	12 963	5 916	784	38
1980	94 324	74 543	12 623	6 416	698	44
1981	97 962	76 989	14 081	6 197	658	37
1982	96 453	71 491	17 569	6 449	888	64
1983	92 794	67 183	19 153	5 485	918	56
1984	93 025	69 176	18 253	4 709	838	49
1985	86 010	59 185	19 035	6 883	863	53
1986	63 777 *	43 089*	14 502*	5 846*	494*	45*
1987	62 613 *	44 451*	17 128*	4 808*	509*	33*

\* – not comparable – excludes estimates for Thule and other localities

Purchase of Seal Skins in Greenland, 1971 to 1994					
1971	48 544	46 067	1 630	786	61
1972	40 759	38 292	1 715	733	19
1973	54 255	50 786	2 955	444	70
1974	54 923	50 016	2 540	2 365	2
1975	54 764	49 384	2 859	2 396	125
1976	59 220	52 372	4 248		2 600
1977	73 066	63 825	5 708		3 533
1978	72 740	64 488	5 404		2 848
1979	82 904	72 124	6 977		3 803
1980	63 908	54 035	6 790		3 083
1981	55 663	47 997	5 641		2 025
1982	55 211	45 152	7 319		2 740
1983	47 842	39 070	7 240		1 527
1984	52 514	43 594	7 505		1 384
1985	50 526	38 692	9 419		2 415
1986					
1987					
1988	57 545	46 618	9 251		1 676
1989	45 038	34 640	8 993		1 405
1990	53 916**	40 173	11 149		2 149
1991	65 410	46 705	14 018		4 687
1992	77 328	49 278	24 113		3 937
1993	52 050	44 625	6 656		769
1994	59 915	44 212	13 510		2 093

\*\* including a number of unspecified seal skins

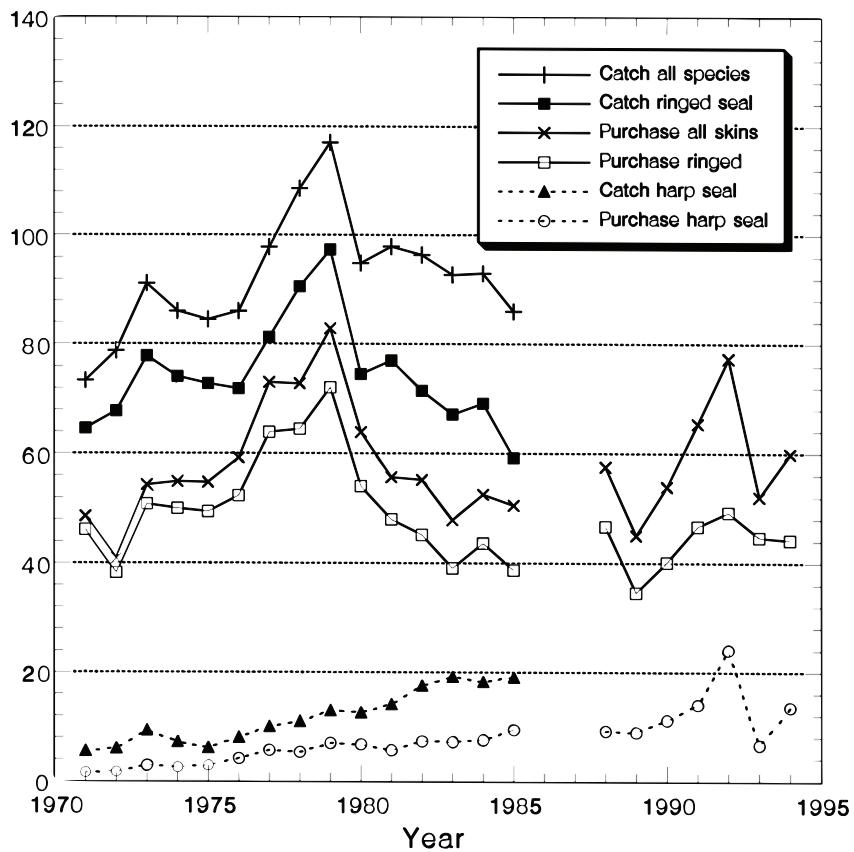


Fig. 2. Trends in catch of seals and purchase of seal skins in Greenland, 1971–94.

or just arbitrary reporting in order to have something on record when renewing the license, is not clear.

The first results of the new system, as presented in the tables of this paper, give rise for some consideration of ways of checking the efficiency and reliability of the new data sets. As mentioned above, the catches reported for ringed seal and hooded seals are within the range estimated on the basis of the previous reporting system. Most of the differences found in respect to seasonal and regional distribution of catches may well be explained by actual variation in catch results from one year to another, or as results of differences in the method of reporting and estimating catches.

The level of harp seal catches reported by the new system is, however, significantly different from that estimated previously. The largest differences were found in some of the districts in Central West and Southwest Greenland, where reporting in the old system was known to be incomplete (see Table 8). An important feature in the new system is the

special effort to register the catch by part-time hunters which were presumably not well reported by the old system; the number of part-time hunters is rather high at the larger settlements ("towns") in Southwest and Central West Greenland, and although most part-time hunters are only taking few seals, their accumulated total catch may be quite high. It is quite possible that previous estimates of non-reported catches of harp seals in these districts were too "conservative", so that total catches were under-estimated during this period. Further, catch and purchase statistics did indicate an increasing trend in harp seal catches since the mid-1970s (Kapel, 1986), and this trend may have continued to date. It is thus possible, that the present catch of harp seal in Greenland in fact is in the order of 45 000–55 000 annually, rather than the 20 000–25 000 previously suggested (Kapel, MS 1993).

There is, however, a need for a more close and detailed review of the results obtained from the new system of collecting information on hunting results in Greenland, in order to evaluate its efficiency and draw conclusions on the actual level of catches.

TABLE 8. Comparison of Greenland seal catch statistics for 1983 and 1993–94.

<b>Harp Seal</b>										
District	1983				1993		1994			
	Inhabitants	Lists	Reported	Estimated	Licenses	Harps	Inhabitants	Licenses	Harps	
Thule	735	30	46	407	250	283	818	194	177	
Upernivik	2 033	264	1 971	2 408	503	5 261	2 527	362	3 350	
Uummannaq	2 237	312	3 680	4 165	511	4 254	2 514	440	3 535	
Ilulissat	3 799	—	—	1 605	781	6 702	4 089	600	3 670	
Qasigiannguit	1 701	13	154	542	274	1 788	1 532	220	1 186	
Qeqertarsuaq	926	135	831	1 421	291	1 910	1 105	228	1 923	
Aasiaat	3 055	79	437	1 382	540	5 018	3 163	434	3 298	
Kangaatsiaq	1 148	66	1 299	1 372	268	3 346	1 450	209	2 963	
Sisimiut	3 798	27	60	562	640	4 595	4 527	542	4 520	
Maniitsoq	3 521	293	915	935	580	5 003	3 631	560	4 208	
Nuuk	7 142	133	736	778	1 107	5 019	9 671	994	5 128	
Paamiut	2 464	62	890	1 471	415	4 072	2 220	325	3 664	
Narsaq	1 717	32	264	291	233	1 499	1 861	183	1 806	
Qaqortoq	2 647	93	714	779	332	3 185	3 110	314	4 428	
Nanortalik	2 562	351	423	621	390	2 699	2 497	329	2 770	
Ammassalik	2 445	296	218	357	381	1 015	2 701	258	660	
Scoresbysund	457	40	33	57	54	34	470	41	78	
<b>Total</b>	<b>42 387</b>	<b>2 226</b>	<b>12 671</b>	<b>19 153</b>	<b>7 671</b>	<b>55 683</b>	<b>48 029</b>	<b>6 293</b>	<b>47 364</b>	
<b>Ringed seal</b>						<b>Hooded seal</b>				
District	1983		1993		1994		1983		1993	
	Reported	Estimated	Reported	Reported	Reported	Reported	Reported	Estimated	Reported	Reported
Thule	2 456	6 392	4 244	3 972	16	79	12	461		
Upernivik	12 855	19 797	25 877	18 606	319	440	319	427		
Uummannaq	6 256	9 195	7 262	9 546	547	645	209	167		
Ilulissat	—	1 477	3 459	3 242	—	44	190	199		
Qasigiannguit	65	356	1 514	1 112	2	33	84	41		
Qeqertarsuaq	1 187	1 392	3 559	2 768	155	175	112	102		
Aasiaat	604	1 624	6 801	4 929	66	98	232	249		
Kangaatsiaq	3 618	5 186	5 719	4 775	5	32	62	83		
Sisimiut	248	989	1 486	1 264	19	89	456	415		
Maniitsoq	1 089	1 155	1 418	1 367	419	429	707	404		
Nuuk	667	687	999	1 402	108	113	483	576		
Paamiut	196	434	1 578	1 542	176	341	256	207		
Narsaq	191	217	349	231	79	101	141	101		
Qaqortoq	429	475	713	669	453	509	558	413		
Nanortalik	1 364	1 957	2 249	2 410	892	1 027	1 107	969		
Ammassalik	8 336	11 805	6 706	5 380	870	1 321	1 944	2 745		
Scoresbysund	1 488	4 053	1 711	1 446	4	9	32	31		
<b>Total</b>	<b>41 049</b>	<b>67 182</b>	<b>75 644</b>	<b>64 661</b>	<b>4 130</b>	<b>5 485</b>	<b>6 906</b>	<b>7 590</b>		

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## ANNEX 1. Forms Used for Collecting Hunting Statistics in Greenland

A. **Lists-of-Game**, form used by list-keepers for reporting the catch of individual hunters, until 1985.

B. **Hunting licenses**, form used by individual hunters when applying for licence renewal, since 1993.

Species account:

English	Latin	Lists-of-Game	Hunting licenses
Caribou	<i>Rangifer tarandus</i>	1. rener	Tuttu
Polar bear	<i>Ursus maritimus</i>	2. isbjørne	Nanoq
Musk ox	<i>Ovibos moschatus</i>	–	Umimmak
Polar hare	<i>Lepus arcticus</i>	–	Ukaleq
Arctic fox	<i>Alopex lagopus</i>	(trade figures)	Terianniaq
Minke whale	<i>Balaenoptera acutorostrata</i>	3. vågehvaler	–
Narwhal	<i>Monodon monoceros</i>	4. narhvaler	Qilalugaq qernertaq
White whale	<i>Delphinapterus leucas</i>	5. hvidhvaler	Qilalugaq qaqortaq
Pilot whale	<i>Globicephala melaena</i>	6. grinde	–
Harbour porpoise	<i>Phocoena phocoena</i>	7. marsvin	Niisa
Other cetaceans	...	8. andre hvaler (specif.)	–
Walrus	<i>Odobenus rosmarus</i>	9. hvalrosser	Aaveq
Ringed seal	<i>Phoca hispida</i>	10. netsider	Natseq
Harbour seal	<i>Phoca vitulina</i>	11. spraglede sæler	Qasigiaq
Bearded seal	<i>Erignathus barbatus</i>	12. remmesæler	Ussuk
Beater(harp <1yr)	<i>Phoca groenlandica</i>	13. blåsider højest 1 år	(incl. in :)
Bedlamer (spotted)	– " –	14. blåsider over 1 år	Allattoq
Saddleback (old)	– " –	15. sortsider	Aataaq
Hooded seal	<i>Cystophora cristata</i>	16. klapmydser	Natsersuaq
Guillemot	<i>Uria lomvia</i>	–	Appa
Eider	<i>Somateria mollissima</i>	–	Miteq
King eider	<i>Somateria spectabilis</i>	–	Qingalik
Ptarmigan	<i>Lagopus mutus</i>	–	Aqisseq
Goose	<i>Anser (albifrons)</i>	–	Nerleq
Kittiwake	<i>Rissa tridactyla</i>	–	Taateraq
Little auk	<i>Alle alle</i>	–	Appaliarsuk
Black guillemot	<i>Uria grylle</i>	–	Serfaq

**A** piisanik  
titartaivik  
Fangstliste

## nangminérdlune pissat (Personlig fangst)

piisanik  
titartaivik  
Fangstliste **A**

ukior piniafik:  
(Fangstår)

1/1 - 31/12 19...

igdlokarfik/nunakarfik:  
(By/bygd)

Kommune:

nangminérdlune Qma pissai (Personlig fangst, foretaget af):

piniartok (Fanger): .....

CPR-normo: - - - - -

(inússok (født den): .../... 19...)

piniartut tainekartut nangmingnex pissait, Qmassut süssusinut piniarneruvdlo kanga pineranut  
ingmikortiterlugit. (Anførte fangers personlige fangst, fordelt på dyreart og fangstperiode).

piniagkat dyreart	uvdlut pissa- karfif fangst- periode	tagtut renere nánum isabjörne	tikfugslit vegehvaler	kilalugkut mernertat narhvaler	kilalugkut makortat lividhvaler	nfarnat Grinde	nfset marsvin	arferit aviat andre hvaler	aorfit halrosser	netsft nettsider	kasiqissat spægdede saler	taxamfissat (ugssult) rummelszilar	åbat, åtänguit blásider, hjást 1 År	åtat, agdlaqtut blásider, over 1 År	åtat, atársuit sortsider	natserssuit klapayduser	okautigiumassat (áma "arferit avlat" kavsiunere smærilo, áma tainekardlune nunagissap avatáne erkaringsisáne pini- artarfít).	Bemærkninger (herunder antal og art af "andre hvaler" samt notering af fangstpladser uden for hjemstedet).
	Jan.	1.- 15.																
		16.- 31.																
	Febr.	1.- 15.																
		16.- 29.																
	Marts	1.- 15.																
		16.- 31																
	April	1.- 15.																
		16.- 30.																
	Maj	1.- 15.																
		16.- 31.																
	Juni	1.- 15.																
		16.- 30.																
	Julii	1.- 15.																
		16.- 31.																
	Aug.	1.- 15.																
		16.- 31.																
	Sept.	1.- 15.																
		16.- 30.																
	Okt.	1.- 15.																
		16.- 31.																
	Nov.	1.- 15.																
		16.- 30.																
	Dec.	1.- 15.																
		16.- 31.																
	katitdlugit (I alt)																	

piisanut titartaivik 31. decemberip kingornatigut piárnerpámik  
túníunekásaox

Fangstlisten afleveres snarest efter 31. december

titartaissup arka/Fangstlistefører

B

## Pisanik nalunaarsuiffik - Fangstregistrering

Qeqmatikkaortumik Immersuiffissaq - Månedssakema: 1. juni - 30. juni 1993

Amerikassutit nalunaakkit Angiv antal stik.		Juni leit
Ulliq		
Dato		
Tutu		
Rensdyr		
Nanøq		
Istbjørn		
Umimmak		
Moskusokse		
Ukaleq		
Hare		
Tenanniaq		
Ræv		
Oialugaaq qermertaaq		
Narhval		
Oialugaaq qeqortaaq		
Hvidhval		
Nisa		
Marsvin		
Aaveq		
Hvalros		
Natseq		
Netsida		
Casigiaq		
Sorsidaa sasi		
Ussuk		
Remmesæl		
Allatooq		
Blaðside		
Aataaq		
Sorsida		
Nataersuaq		
Klapmynd		
Appa		
Lomvise		
Miteq		
Ederfugl		
Cingallik		
Kongeederfugl		
Aqisseq		
Rype		
Nerleq		
Gás		
Taateraaq		
Ride		
Appalarsuk		
Sokonge		

**Qaammmamut pisat katinneq ukiup naanerani nalunaarutissamut nuunneqassapput.**  
**Månedens samlede fangsttal noteres til højre. Dette tal overføres til drøskemaet.**