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Catch Table Update for the West Greenland Shrimp Fishery

by

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**Introduction**

A catch table was presented to the 2007 meeting of NIPAG, to summarize various recent catch estimates and TAC values for the shrimp fisheries on the West Greenland shelf (SCR Doc 07/66). An updated version is given here.

In earlier years the provisional catch in Canadian SFA 1 had been estimated as the mean of the previous 5 years' catches. However, the fishery has fluctuated in recent years (Table 1): Since 2009, instead of using an average of earlier catches, a provisional catch furnished by industry observers for the present year has been used.

Since 2010 a projected catch in Greenland Subarea 1 has been provided by the Greenland Fishery and License Kontrol (GFLK) based on cumulative catches from logbooks for the Greenlandic and EU fleets for the current year compared with past years (Fig. 1).

The stock extends into the EEZs of both Greenland and Canada. There is no agreement on sharing the stock. In order to improve its management of its own fishery, Greenland has instituted a procedure for taking account of Canadian interests when setting quotas. After deciding on a TAC for the stock, Greenland reserves a portion of it for Canada before allocating quotas to fleets fishing in Greenland waters. The fraction set aside for Canada is based on a weighting of the Canadian portions of the standard survey area, recent survey estimates of biomass, and recent catches. Quota allocation within Greenland waters has also been changed in 2012 such that an agreed EU quota is deducted before allocating quotas to the Greenland offshore and inshore fleets (Table 1).

Quota drawdowns have, until 1<sup>st</sup> of January 2011, been based not on live-caught weight, but on traded weight, less than the logbook recorded catch by an allowance for crushed and broken shrimps (G.H. 2010).

A Greenland licence holder who fishes out his quota may apply to start fishing the following year's quota from the 15<sup>th</sup> of November and licence holders with quotas unfished at the end of the year may apply to fish them until the 30<sup>th</sup> of April in the following year (G.H. 2012) (Table 2). These concessions have in earlier years led to accumulation of unfished quotas.

Owing to reduced TACs for the Greenlandic fleet in recent years, (both because of a decreasing shrimp stock and the new way of allocating quotas implemented by the Greenlandic Government starting in 2012) and because the quota drawdowns since 2011 have been based on the actual amount of shrimps caught, both the inshore fleet and offshore fleet started fishing on its 2014 quota before the end of 2013 (Table 2).

In recent years the capacity of the Greenland offshore fleet has been reduced and part of its quota has been sold to the Greenland inshore fleet (Table 2).

In 2014, cumulative transactions in Greenland up to day 180 show 2014 to be falling below the catch in 2013 which was 95380 tonnes (Fig. 1). Canadian catches in 2014 are reported as close to zero. The provisional catch for 2014 is set at 9000 tonnes (Table 1).

### Acknowledgements

I thank Mads Rossing Lund of the Greenland Fishery and Licence Control (GFLK) for providing the data and figure on cumulative catches for the Greenlandic fleet and Tim Siferd from the Canadian Department of Fisheries and Oceans (DFO) for providing the information on the catches in 2013 and 2014 for the Canadian fleet.

### References

KINGSLEY, M.C.S 2007. Catches of Northern Shrimp (*Pandalus borealis*) off West Greenland, 1999-2006.

NAFO SCR Doc. 07/66, Ser. No. 5451. 4 pp.

G.H. 2010 Selvstyrets bekendtgørelse nr. 20 af 16. december 2010 om kontrol med kystnært fiskeri efter rejer.

[http://www.lovgivning.gl/gh.gl-love/dk/2010/bkg/bkg\\_nr\\_20-2010\\_dk.htm](http://www.lovgivning.gl/gh.gl-love/dk/2010/bkg/bkg_nr_20-2010_dk.htm)

G.H. 2010 Selvstyrets bekendtgørelse nr. 18 af 9. december 2010 om kontrol med havgående fiskeri.

[http://www.lovgivning.gl/gh.gl-love/dk/2010/bkg/bkg\\_nr\\_18-2010\\_dk.htm](http://www.lovgivning.gl/gh.gl-love/dk/2010/bkg/bkg_nr_18-2010_dk.htm)

G.H. 2012 Selvstyrets bekendtgørelse nr. 1 af 2. februar 2012 om licens og kvoter til fiskeri.

[http://www.lovgivning.gl/gh.gl-love/dk/2012/bkg/bkg\\_nr\\_01-2012\\_dk.htm](http://www.lovgivning.gl/gh.gl-love/dk/2012/bkg/bkg_nr_01-2012_dk.htm)

Table 1: Annual catch and TAC data (tonnes) for the fishery for Northern Shrimp on the West Greenland shelf.

Source (date last fetched yy-mm-dd)	2006	2007	2008	2009	2010	2011	2012	2013	2014
GFLK <sup>†</sup> year (14-08-12) (SA 1)	127 327	123 126	132 213	120 024	114 314	118,148	113 257	94 258	
STATLANT <sup>#</sup> (SA1) (14-08-13)	153 188	142 245	148 550	133 561	123 973	122 061	114 958	91 800	
Logbooks, SA 1 (14-08-06) <sup>‡</sup>	150 533	139 657	153 889	135 029	128 108	122 655	115 963	95 379	
STATLANT <sup>#</sup> (0A) (14-08-13)	3 788	1 878	0	429	5 206	1 134	12	2	
DFO quota report SFA1 <sup>§</sup> (14-01-23)	4 127	1 945	0	220	5 882	1 296	5	2	
DFO, Observer logbooks <sup>¶</sup>	3 589	2 024	0	167	5 326	1 330	5	0	
Total Catch for 2014 Assessment	157 315 <sub>s</sub>	144 190 <sub>s</sub>	153 889 <sub>l</sub>	135 458 <sub>l</sub>	133 990 <sub>l</sub>	123 985 <sub>l</sub>	115 975 <sub>l</sub>	95 380 <sub>l</sub>	90 000 <sub>p</sub>
Total Catch for 2013 Assessment	157 315 <sub>s</sub>	144 190 <sub>s</sub>	153 889 <sub>l</sub>	135 458 <sub>l</sub>	133 990 <sub>l</sub>	123 985 <sub>l</sub>	115 975 <sub>l</sub>	100 000 <sub>p</sub>	
Total Catch for 2012 Assessment	157 315 <sub>s</sub>	144 190 <sub>s</sub>	153 889 <sub>l</sub>	135 458 <sub>l</sub>	133 990 <sub>l</sub>	123 985 <sub>l</sub>	110 000 <sub>p</sub>		
Total Catch for 2011 Assessment	157 315 <sub>s</sub>	144 190 <sub>s</sub>	153 889 <sub>l</sub>	135 458 <sub>l</sub>	133 986 <sub>l</sub>	126 000 <sub>p</sub>			
Total Catch for 2010 Assessment	157 315 <sub>s</sub>	144 190 <sub>s</sub>	152 749 <sub>l</sub>	134 890 <sub>l</sub>	138 500 <sub>p</sub>				
TACs									
Total Greenland SA1 & SFA1							105 000	90 000	85 000
Greenland set-aside for Canada							3 325	2 737	2 193
Greenland SA1 offshore	74 100	74 100	70 281	59 025	60 525	68 400	55 675	47 802	45 262
Greenland SA1 inshore	55 900	55 900	53 019	51 545	50 045	51 600	42 000	36 061	34 145
Greenland SA1 EU	4 000	4 000	4 000	4 000	4 000	4 000	4 000	3 400	3 400
Total Greenland enacted SA1	134 000	134 000	127 300	114 570	114 570	124 000	101 675	87 263	82 807
Canada enacted SFA1 <sup>◊</sup>	18 380	18 417	18 417	18 417	18 417	18 417	16 921	15 504	11 333
Total enacted TAC, SA1 & SFA1	152 380	152 417	145 717	132 987	132 987	142 417	118 596	102 767	94 140
Advised by SC	130 000	130 000	110 000	110 000	110 000	120 000	90 000	80 000	80 000

<sup>†</sup> quota drawdowns recorded in the GFLK data base; <sup>#</sup> species PRA (Northern Prawn) and PAN (Pandalid shrimps). <sup>‡</sup> since 2004 legally required to be 'live weight' and includes discards; the catch is from January through June in 2014, the data fetched in August 2014 was used to update existing files held by Grønlands Naturinstitut; <sup>§</sup> Canadian Shrimp Fishing Area 1 is NAFO Division 0A east of longitude 60°30'W; <sup>¶</sup> provided for 1999–2005 through David Orr in St John's, for 2006–14 through Tim Siferd in Winnipeg. *l* logbooks, *s* STATLANT + DFO Commercial Statistics, *p* provisional; <sup>◊</sup> by distribution list from DFO.

Table 2: Transfers of quotas in 2013 and 2014 for fleets fishing in SA1

Table for 2013	TAC 2013 (tonnes)	Quota Adjustment*	Transfer of quota between fleets	Available quota 2013
Greenland Offshore fleet	47802	6346	-7100	47048
Greenland Inshore fleet	36061	496	7100	43657
Sum	83863	6842	0	90705

\* Comprises transfer of quotas from the preceding year and from the following year

Table for 2014	TAC 2014 (tonnes)	Quota Adjustment <sup>#</sup>	Transfer of quota between fleets	Available quota 2014 <sup>##</sup>
Greenland Offshore fleet	45262	-1648	0	43614
Greenland Inshore fleet	34145	-1275	0	32870
Sum	79407	-2923	0	76484

<sup>#</sup> Comprises transfer of quotas from the preceding year ( 2013)

<sup>##</sup> Available quotas are likely to increase since the fleets are allowed to start fishing on their 2015 quota by November the 15th 2014

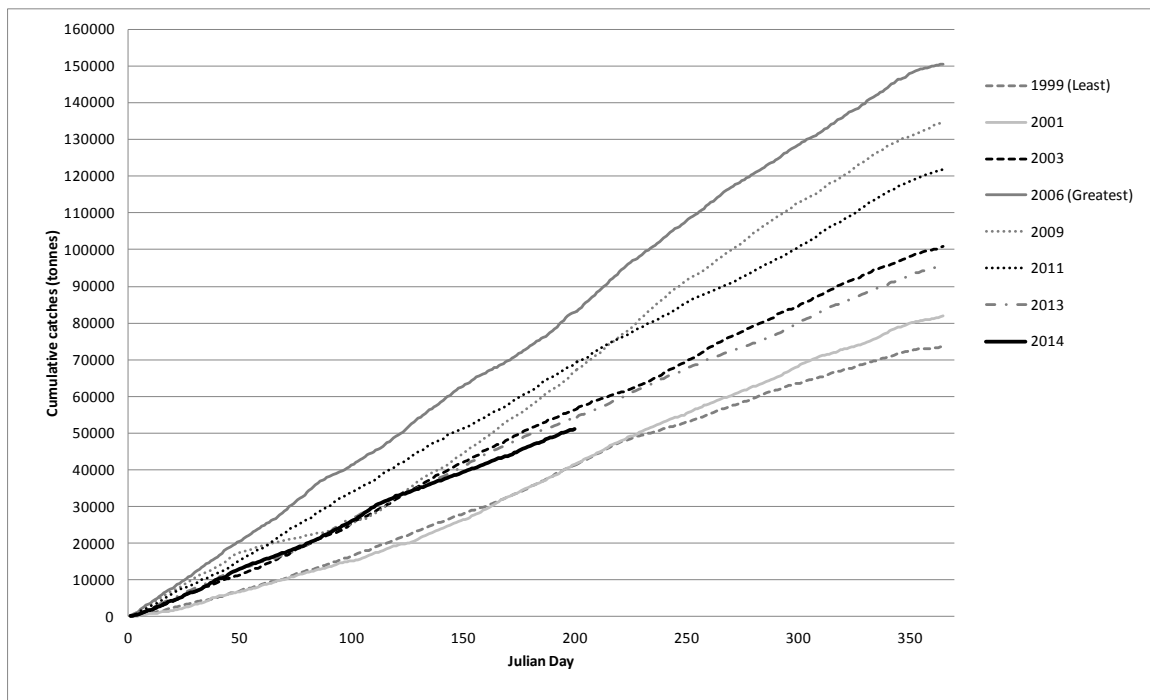


Fig. 1. Northern Shrimp in West Greenland: Cumulative transactions over the year, 1999–2014.  
(With thanks to Mads Rossing Lund of GFLK.)