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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 (SCR Doc. 07/66), to summarise various recent catch estimates and TAC values for the shrimp fisheries on the West Greenland shelf. An updated version is given here. A principal change is that much improved STATLANT catch data for the Greenland fishery for 2004–05 has become available.

Methods

Total catches were calculated from from STATLANT 21A data downloaded from the NAFO website, logbook records in the Greenland fishery, and from quota drawdowns at year end downloaded from the database maintained for the Greenland fishery by the Greenland Fishery and Licence Control (GFLK). For the Canadian fishery in SFA1, catch information was obtained from the Canadian Atlantic Quota Report (CAQR) web-pages and by summing catches recorded in observer logbooks. TACs for Greenland were obtained from the web-site of the Greenland Home Rule government, and for Canada up to 2007 from the CAQR, and for 2008 by e-mail from DFO.

Catches for 2008 were projected to the year end. For Greenland, the reported catches for January–June were divided by the mean proportion for the previous 5 years that the first 6 months constituted of the year's catch. For Canada, the mean annual catch for the previous 5 years was used.

Results

A principal change is that much improved STATLANT catch data for the Greenland fishery for 2004–05 has become available. The catch for 2004 used in the 2008 assessment is therefore 7000 t higher than that used in 2007, and that for 2005 is 2000 t higher. These higher catches will tend to raise the estimate of MSY in the assessment.

References

KINGSLEY, M.C.S. 2007. Catches of Northern Shrimp (*Pandalus borealis*) off West Greenland, 1999–2006. SCR Doc. 07/66 Ser. No. N5451. 4 pp.

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

Source (date last fetched)	2001	2002	2003	2004	2005	2006	2007	2008
GFLK [†] year (08-10-17) (SA 1)	77 343	100 903	94 961	119 942	129 647	127 484	122 999	
GFLK [†] week 52		95 046	92 864	121 429	131 630	—	—	
Overpacking correction (%) (SCR 03/74)	21.816	22.227	21.862	0	0	0	0	0
STATLANT [#] (SA1) (08-10-13)	81 517	103 645	78 436	142 326	149 978	3668	3394	
STATLANT [#] (SA1) (corrected)	99 301	126 682	95 580	142 326	149 978	3629	3394	
Logbooks, SA 1 (08-08-15) [‡]	81 060	105 480	100 963	135 212	147 695	150 533	139 631	62 010
Logbooks, corrected	98 744	128 925	123 036	135 212	147 695	150 533	139 631	62 010
SCR 04/75, SA 1 (corrected)	99 156 _s	128 906 _l	123 845 _l	—	—	—	—	—
STATLANT [#] (0A) (08-10-13)	2958	6053	2170	6861	6410	3788	1878	
DFO Commercial statistics SFA1 [§] (08-10-08)	3625	6247	7137	7021	6921	4127	1945	
DFO, Observer logbooks [¶]	3566	6504	6608	7209	6088	3589	2024	
Total Catch for 2008 Assessment	102 926 _s	135 172 _l	130 173 _l	149 347 _s	156 899 _s	154 660 _l	141 576 _l	131 651 _p
Total Catch for 2007 Assessment	102 926 _s	135 172 _l	130 173 _l	142 233 _l	154 616 _l	154 663 _l	—	
Total Catch for 2006 Assessment	102 900	136 300	120 300	128 500	138 600	—	—	
TACs								
Greenland SA1 offshore	53 609	54 600	57 000	75 452	74 100	74 100	74 100	70 281
Greenland SA1 inshore	39 341	36 550	43 000	55 900	55 900	55 900	55 900	53 019
SA1 EU	None	None	1000	4000	4000	4000	4000	4000
Total Greenland SA1	92 950	91 150	101 000	135 352	134 000	134 000	134 000	127 300
Canada SFA1	9350	12 040	14 167	14 167	18 453*	18 380	18 417	18 417
Advised by SC	85 000	85 000	100 000	130 000	130 000	130 000	130 000	110 000

[†] quota drawdowns recorded in the GFLK data base; year's total fetched in October 2008 as well as contemporary report from week 52 of the year. [#] sum of species 632 (Northern Prawn) and species 639 (Pink Shrimps NS). [‡] since 2004 legally required to be 'live weight' and includes discards; the data fetched in August 2008 was for the period since Jan. 2007 and was used to update existing files held by Grønlands Naturinstitut. [§] Canadian Shrimp Fishing Area 1 is NAFO Sub-area 0 east of longitude 60°30'W; * adjusted; ref. J. Conlin, e-mails, 07-07-04. [¶] provided for 1999–2005 through David Orr in St John's, for 2006–07 through Tim Siferd in Winnipeg. _s based on STATLANT; _l based on logbooks; _p projected to year end.