

**SCIENTIFIC COUNCIL MEETING – JUNE 2009****Latvian Research Report for 2008**

by

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In 2008 the Latvian fleet in the NAFO area operated with 2 vessels. One of vessels was targeting Pandalid shrimps (shrimp trawl TBS, mesh size 40 mm) in areas 3M and 3L. The second one was targeting redfish in area SA (bottom trawl, mesh size 130 mm). No other species were recorded for 2008. The Latvian landings (t) in NAFO area in 2008 by species, division and quarter are given in Table 1, and the effort of shrimp's fishery – in Table 2.

All Latvian length/weight sampling of catches and discards by species in 2008 from TBS trawl catches for Pandalid shrimps in the Div. 3M and Div. 3L was carried out by NAFO/scientific observers. The observers are employed by the Latvian Fish Resources Agency, and they are specially trained to collect also the basic scientific data. Estimates of discards from NAFO observer's data on Latvian Pandalid shrimps directed fishery by species, months and division in 2008 are presented in Table 3.

The list of biological sampling data is given in Annex 1. Total number of samples taken – 37 and individuals examined – 5 335 (2 835 of northern prawn and 2 500 of redfish). All length measurements were taken from landings. The size distribution of landed northern prawn and redfish are shown in Annex 2 and Annex3. In 2008 information on total 168 fishing days (2 765 hours) was available.

**Table 1.** Latvian landings in NAFO are by species, divisions and quarters in 2008 (tons), official statistics

Species	Division	Quarter				Total
		I	II	III	IV	
Pandalid shrimps	3L	51.0	0.0	125.6	101.4	278.0
	3M	174.4	124.7	610.6	375.5	1285.1
Redfish	1F+3K	0	0	226.6	0	226.6

**Table 2.** Latvian fishing effort on shrimp fishery in NAFO regulatory area in 2008

Month	Divisions			
	3L	3M	3L	3M
	Landings, tons		Fishing days	
January	-	-	-	-
February	-	-	-	-
March	51.0	174.4	10	7
April	-	124.7	-	-
May	-	-	-	-
June	-	-	-	-
July	68.9	240.8	12	16
August	53.9	271.8	8	21
September	2.9	98.0	1	13
October	19.0	150.7	5	18
November	82.4	224.7	11	14
December	-	-	-	-
Total	278.0	1285.1	47	97

**Table 3.** Latvian discards by species and month in 2008 in the directed Pandalid shrimps fishery, tons  
Division 3L

Month	RED	CAA	GHL	PLA	TAL	RHG	COD	YEL	CKA	RJD	HKS
3	0.075			0.075							
7	0.065			0.026							
8	0.055	0.011	0.001			0.011	0.001	0.022		0.007	0.001
10	0.056	0.003	0.002	0.001	0.004	0.002	0.001		0.001	0.001	0.008
11	0.133		0.013	0.004	0.015	0.022	0.002		0.004	0.002	0.022
<b>Total</b>	<b>0.384</b>	<b>0.014</b>	<b>0.016</b>	<b>0.106</b>	<b>0.019</b>	<b>0.035</b>	<b>0.004</b>	<b>0.022</b>	<b>0.005</b>	<b>0.010</b>	<b>0.031</b>

Division 3M

Month	RED	CAA	GHL	PLA	TAL	RHG	COD	YEL	CKA	RJD	HKS
3	0.143			0.143							
4	0.108			0.108							
7	0.214			0.085							
8	0.263	0.053	0.005			0.053	0.005	0.105		0.032	0.005
9	0.543	0.031	0.016	0.008	0.039	0.016	0.008		0.008	0.008	0.078
10	0.665	0.038	0.019	0.01	0.048	0.019	0.01		0.01	0.01	0.095
11	0.434		0.043	0.014	0.051	0.072	0.007		0.014	0.007	0.072
<b>Total</b>	<b>2.370</b>	<b>0.122</b>	<b>0.083</b>	<b>0.368</b>	<b>0.138</b>	<b>0.160</b>	<b>0.030</b>	<b>0.105</b>	<b>0.032</b>	<b>0.057</b>	<b>0.250</b>