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Latvian Research Report for 2009

by

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In 2009 the Latvian fleet in the NAFO area operated with 1 vessel. Which was targeting Pandalid shrimps (shrimp trawl TBS, mesh size 40 mm) in areas 3M and 3L. No other species were recorded for 2009. The Latvian landings (t) in NAFO area in 2009 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 2009 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 Institute of Food Safety, Animal Health and Environment "BIOR", 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 2009 are presented in Table 3.

The list of biological sampling data is given in Annex 1. Total number of samples taken – 33 and individuals examined – 4 435 (3 596 of northern prawn and 839 of redfish). The size distribution of landed northern prawn and redfish by-catch are shown in Annex 2 and Annex3. In 2009 information on total 162 fishing days (2 391,3 hours) was available.

Table 1. Latvian landings in NAFO are by species, divisions and quarters in 2009 (tons), official statistics

Species	Division	Quarter				Total
		I	II	III	IV	
Pandalid shrimps	3L	58.7	93.3	129.4	52.6	334.0
	3M	226.6	490.7	365.7	115.5	1198.5
Redfish	1F+3K	0.0	0.0	79.0	0.0	79.0
	3M	0.0	0.0	58.6	0.0	58.6

Table 2. Latvian fishing effort on shrimp fishery in NAFO regulatory area in 2009

Month	Divisions			
	3L	3M	3L	3M
	Landings, tons		Fishing days	
January	-	-	-	-
February	-	-	-	-
March	58.7	226.6	8	15
April	23.0	118.6	3	9
May	53.4	142.5	6	10
June	22.3	224.2	2	17
July	-	32.1	-	5
August	47.8	159.6	7	17
September	81.5	189.4	9	17
October	48.2	118.5	10	12
November	5.7	-	1	-
December	-	-	-	-
Total	340.6	1211.5		

Table 3. Latvian discards by species and month in 2009 in the directed Pandalid shrimps fishery, tons

Division 3L

Month	RED	GHL	PLA	CKA	RJD	HKS	SQU
3	0	0.045	0.135	0.045	0.045	0.09	0.09
4	0.16	0.04	0.04	0.04	0	0.08	0.04
5	0.18	0.045	0.045	0.045	0	0.09	0.045
6	0.08	0.02	0.02	0	0.02	0.02	0.04
8	0.75	0.125	0	0	0	0.125	0.25
9	1.764	0.196	0	0	0	0	0
10	0.2025	0.0575	0.105	0.105	0.105	0.105	0.21
11	0.045	0.015	0.015	0.015	0.015	0.015	0.03
Total	3.1815	0.5435	0.36	0.25	0.185	0.525	0.705

Division 3M

Month	RED	GHL	PLA	CKA	RJD	HKS	SQU
3	0	0.38	1.14	0.38	0.38	0.76	0.76
4	0.88	0.13	0.17	0.13	0.04	0.26	0.15
5	0.544	0.136	0.136	0.262	0.01	0.262	0.141
6	2.56	0.64	0.64	0	0.64	0.64	1.28
7	0.6	0.1	0	0	0	0.1	0.2
8	2.904	0.484	0	0	0	0.484	0.968
9	4.995	0.555	0	0	0	0	0
10	0.7125	0.1475	0.205	0.205	0.205	0.205	0.41
Total	13.1955	2.5725	2.291	0.977	1.275	2.711	3.909