

Table 1: Catches (tonnes) of target species reported in 2009/10 (December 2009 to November 2010) (source: STATLANT data). All catches shown for Divisions 58.4.3b and 58.4.4 resulted from research fishing.

Species	Country	Subarea or division																	Total
		48.1	48.2	48.3	48.4	48.6	58.4.1	58.4.2	58.4.3a	58.4.3b	58.4.4a	58.4.4b	58.5.1	58.5.2	58.6	58.7	88.1	88.2	
<b>Icefish</b>	Australia													352					352
<i>Champscephalus gunnari</i>	Chile			1															1
	UK			11															11
Total (icefish)		0	0	12	0	0	0	0	0	0	0	0	0	352	0	0	0	0	364
<b>Toothfish</b>	Australia													2 459					2 459
<i>Dissostichus eleginoides</i>	Chile			351															351
	EU – Spain			648															648
	France											4 912		663					5 575
	Japan					10	2			2	9	50							73
	Korea					39													39
	New Zealand			336	27												<1		363
	South Africa			175										77	72				325
	UK			864	31														894
	Uruguay			145															145
<i>Dissostichus mawsoni</i>	Argentina																30	8	38
	China	<1*																	<1*
	EU – Spain																309	42	352
	Japan					184	86			12									282
	Korea					159	108	93									789		1 148
	New Zealand				31												1 310		1 341
	Russia		<1*																<1*
	UK				26												200	259	484
Total (toothfish)		<1*	<1*	2 519	114	392	196	93	0	14	9	50	4 912	2 459	741	72	2 639	309	14 518

(continued)

Table 1 (continued)

Species	Country	Subarea or division																Total	
		48.1	48.2	48.3	48.4	48.6	58.4.1	58.4.2	58.4.3a	58.4.3b	58.4.4a	58.4.4b	58.5.1	58.5.2	58.6	58.7	88.1		88.2
<b>Krill</b> <i>Euphausia superba</i>	China	67	1 879																1 946
	EU – Poland	6 605	390																6 995
	Japan	28 924	995																29 919
	Korea	41 863	3 784																45 648
	Norway	75 803	34 886	8 712															119 401
	Russia		8 065																8 065
Total (krill)		153 262	49 999	8 712	0	0	0	0	0	0	0	0	0	0	0	0	0	0	211 974
<b>Crab</b> <i>Paralomis</i> spp.	Australia												0						<1*
	EU – Spain			<1*														<1*	<1*
	Japan					<1*				<1*	<1*								<1*
	Korea					<1*													<1*
	New Zealand			<1*	<1*													<1*	<1*
	Russia			62															62
	South Africa														<1*				<1*
	UK			<1*															<1*
	Uruguay			<1*															<1*
Total (crab)		0	0	62	<1*	<1*	0	0	0	0	<1*	<1*	0	0	<1*	0	<1*	<1*	62

\* Taken as by-catch

Table 2: Preliminary total catch (tonnes) of target species reported in 2010/11 (source: catch and effort reports unless indicated otherwise). Note: The season started on 1 December 2010 and closes on 30 November 2011, and catches are those reported to the Secretariat to 24 September 2011, unless indicated otherwise. All catches shown in Divisions 58.4.3b and 58.4.4 and Subareas 88.2 (SSRU A) and 88.3 resulted from research fishing.

Species	Country	Subarea or division																		Total	
		48.1	48.2	48.3	48.4	48.6	58.4.1	58.4.2	58.4.3a	58.4.3b	58.4.4a	58.4.4b	58.5.1	58.5.2	58.6	58.7	88.1	88.2	88.3		
<b>Icefish</b> <i>Champscephalus gunnari</i>	Australia													1						1	
	China		<1*																	<1*	
	Korea	<1*	<1*																	<1*	
	Norway		<1*																	<1*	
	UK			10																10	
<b>Total (icefish)</b>		<1*	<1*	10	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	11	
<b>Toothfish</b> <i>Dissostichus eleginoides</i>	Australia													1 614						1 614	
	Chile			272																272	
	EU – Spain						0											0		0	
	France**												2 906		551					3 457	
	Japan					0		4	2		35									41	
	Korea					11												1		12	
	New Zealand			383	19													0		402	
	Russia																	1		1	
	South Africa						22								34	51				107	
	UK			1 119	20															1 139	
	Uruguay			14																14	
	<i>Dissostichus mawsoni</i>	China		<1*																<1*	
		EU – Spain						75											427		502
		Japan					197			8											205
		Korea					156	141	136										721	76	1 230
		New Zealand			0	5													889	244	1 137
		Russia																	318	122	445
		South Africa						6													6
		UK				10													525	120	655
		Uruguay																		13	13
<b>Total (toothfish)</b>			0	0	1 788	54	393	216	136	4	11	0	35	2 906	1 614	585	51	2 882	576	5	11 254

(continued)

Table 2 (continued)

Species	Country	Subarea or division																		Total
		48.1	48.2	48.3	48.4	48.6	58.4.1	58.4.2	58.4.3a	58.4.3b	58.4.4a	58.4.4b	58.5.1	58.5.2	58.6	58.7	88.1	88.2	88.3	
<b>Krill</b>	Chile		13	1 799																1 811
<i>Euphausia superba</i>	China	2 088	13 932																	16 020
	EU – Poland	489	2 555																	3 044
	Japan	222	19 467	6 701																26 390
	Korea	4 999	17 615	6 439																29 052
	Norway	1 360	62 971	38 483																10 2815
	UK			<1*																<1*
Total (krill)		9 158	116 552	53 421	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17 9131
<b>Crab</b>	Australia													<1*						<1*
<i>Paralomis</i> spp.	Chile			<1*																<1*
	Japan										<1*									<1*
	New Zealand			<1*													<1*	<1*		<1*
	Russia																	<1*	<1*	<1*
	UK			<1*	<1*													<1*		<1*
	Uruguay			<1*																<1*
Total (crab)		0	0	<1*	<1*	0	0	0	0	0	0	<1*	0	<1*	0	0	<1*	<1*	<1*	<1*

\* Taken as by-catch

\*\* Catch reported in fine-scale data to 12 August 2011

Table 3: Information provided in the notifications for krill fisheries in 2011/12.

Member	Vessel	Expected level of krill catch (tonnes)	Months during which fishing has been notified												Subareas and/or divisions where fishing has been notified						
			2011	2012											Subarea				Division		
			Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	48.1	48.2	48.3	48.4	58.4.1	58.4.2	
Chile <sup>a</sup>	<i>Betanzos</i>	20 000	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
China	<i>An Xing Hai</i>	15 000	x	x	x	x	x	x	x	x	x	x			x	x	x				
	<i>Kai Li</i>	11 000	x	x	x	x	x	x	x	x	x	x			x	x	x				
	<i>Kai Xin</i>	18 000	x	x	x	x	x	x	x	x	x	x			x	x	x				
	<i>Kai Yu</i>	11 000	x	x	x	x	x	x	x	x	x	x			x	x	x				
	<i>Lian Xing Hai</i>	15 000	x	x	x	x	x	x	x	x	x	x			x	x	x				
Japan	<i>Fukuei Maru</i>	30 000		x	x	x	x	x	x	x	x			x	x	x					
Korea	<i>Dongsan Ho</i>	37 000			x	x	x	x	x	x	x		x	x	x	x	x				
	<i>Insung Ho</i>	12 000			x	x	x	x	x	x	x			x	x	x					
	<i>Kwang Ja Ho</i>	18 000			x	x	x	x	x	x	x			x	x	x					
Norway	<i>Juvel</i>	50 000	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x				
	<i>Saga Sea</i>	65 000	x	x	x	x	x	x	x	x	x	x	x		x	x	x		x		
	<i>Thorshøydi</i>	60 000	x	x	x	x	x	x	x	x	x	x			x	x	x				
Poland <sup>b</sup>	<i>Dalmor II</i>	9 000			x	x	x	x	x	x	x			x	x	x					
Ukraine <sup>c</sup>	<i>Maksim Starostin</i>	30 000	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x		
Total	15 vessels	401 000	10	11	15	15	15	15	15	15	15	15	6	5	4	15	15	15	3	0	0

<sup>a</sup> Chile withdrew its notification for the vessel 'to be announced'.

<sup>b</sup> Poland has indicated that the *Dalmor II* may be replaced by another vessel.

<sup>c</sup> Ukraine submitted a late notification (SC-CAMLR-XXX/BG/13).

Table 4: Number of sets, *Dissostichus* catch and mean CPUE in fishable depths (600–1 800 m) over the previous three seasons (2008/09 to 2010/11) inside and outside proposed research areas. FSR – fine-scale rectangle.

Subarea/ division	SSRU	Inside research area					Outside research area			
		Number FSRs	Total number sets	Number research sets	% Research sets	Catch (tonnes)	CPUE (tonnes/set)	Total number sets	Catch (tonnes)	CPUE (tonnes/set)
48.6	486A	11	94	18	19	42	0.4	12	4	0.4
	486B	4	27	8	30	95	3.5	5	9	1.8
	486C	5	49	7	14	92	1.9	0	0	-
	486D	3	38	8	21	96	2.5	1	0	0.4
	486E	3	42	17	40	249	5.9	5	29	5.9
	486G	21	350	55	16	419	1.2	12	2	0.2
58.4.1	5841C	11	219	42	19	302	1.4	5	2	0.4
	5841E	5	44	11	25	135	3.1	6	18	2.9
	5841G	12	267	24	9	159	0.6	4	6	1.4
58.4.2	5842A	1	3	3	100	22	7.5	7	36	5.1
	5842E	8	99	34	34	236	2.4	2	1	0.3
58.4.3a	5843aA	7	64	16	25	34	0.5	4	1	0.2

Table 5: Proposed format for research proposals submitted in accordance with CM 24-01, paragraph 3.

Category	Information
1. Main objective	<p>(a) Objectives for the research and why it is a priority for CCAMLR.</p> <p>(b) Detailed description of how the proposed research will meet the objectives, including annual research goals (where applicable).</p> <p>(c) Rationale for research, including relevant existing information on the target species from this region, and information from other fisheries in the region or similar fisheries elsewhere.</p>
2. Fishery operations	<p>(a) Fishing Member</p> <p>(b) Vessel to be used:</p> <ul style="list-style-type: none"> <li>• Vessel name</li> <li>• Vessel owner</li> <li>• Vessel type (research or commercial vessel)</li> <li>• Port of registration and registration number</li> <li>• Radio call sign</li> <li>• Overall length and tonnage</li> <li>• Equipment used for determining position</li> <li>• Fishing capacity</li> <li>• Fishing processing and storage capacity</li> </ul> <p>(c) Target species</p> <p>(d) Fishing or acoustic gear to be used:</p> <ul style="list-style-type: none"> <li>• Trawl type; mesh shape and size</li> <li>• Longline type</li> <li>• Other sampling gear</li> <li>• Type of acoustic gear and frequency</li> </ul> <p>(e) Fishing regions (divisions, subareas and SSRUs) and geographical boundaries</p> <p>(f) Estimated dates of entering and leaving CAMLR Convention Area.</p>
3. Survey design, data collection and data analysis	<p>(a) Research survey/fishing design (description and rationale):</p> <ul style="list-style-type: none"> <li>• Spatial arrangements of stations/hauls (random or semi-random)</li> <li>• Stratification according to e.g. depth or fish density</li> <li>• Calibration/standardisation of sampling gear</li> <li>• Proposed number and duration of stations/hauls</li> <li>• Other requirements (e.g. tagging rates)</li> <li>• How will performance metrics be achieved? (e.g. tag overlap statistics for tagging program)</li> </ul> <p>(b) Data collection: types and sample size or quantities of catch, effort and related biological, ecological and environmental data (e.g. sample size by location/haul)</p> <p>(c) Methods for data analysis (description of methods by data types detailed in (b)).</p> <p>(d) How and when will the data meet the objectives of the research (e.g. lead to a robust estimate of stock status and precautionary catch limits). Include evidence that the proposed methods are highly likely to be successful.</p>
4. Proposed catch limits	<p>(a) Proposed catch limits and justification. (Note that the catch limits should be at a level not substantially above that necessary to obtain the information specified in the research plans and required to meet the objectives of the proposed research.)</p> <p>(b) Evaluation of the impact of the proposed catch on stock status:</p> <ul style="list-style-type: none"> <li>• Rationale that proposed catch limits are consistent with Article II of the Convention</li> <li>• Evaluation of time scales involved in determining the responses of harvested, dependent and related populations to fishing activities.</li> <li>• Information on estimated removals, including IUU activities.</li> </ul> <p>(c) Details of dependent and related species and the likelihood of their being affected by the proposed fishery</p>

(continued)

Table 5 (continued)

Category	Information
5. Research capability	<p>(a) Name(s) and address of the chief scientist(s) responsible for planning and coordinating the research</p> <p>(b) Number of scientists and crew to be on board the vessel</p> <p>(c) Is there opportunity for inviting scientists from other Members? If so, indicate a number of such scientists.</p> <p>(d) Evidence that the proposed fishing vessels and nominated research providers have the resources and capability to fulfil all obligations of the proposed research plan.</p>
6. Reporting for evaluation and review	<p>(a) List of dates by which specific actions will be completed and reported to CCAMLR. If the research is a stand-alone survey, Members shall commit to providing a progress report to WG-FSA and/or WG-EMM for review and comment and a final report within 12 months of completion of the research to the Scientific Committee.</p> <p>(b) If research is multi-annual, Members shall commit to providing annual research reviews to be submitted to WG-FSA and/or WG-EMM, including review of progress towards meeting research objectives and associated proposed time lines in initial proposal, and proposals for adjustments to the research proposal if required.</p>



Table 6: Indicative program of work for the Scientific Committee for the next three years. Where items of work will contribute towards completion of the Performance Review recommendations, this is indicated. The year in which issues will be addressed is indicated by an 'x' and the group which will be responsible for undertaking the work is indicated in the final column.

	PRP report	2012	2013	2014	Work by
<b>Krill</b>					
Analysis of fisheries data		x	x	x	EMM
Feedback management	3.1.2.2, 3.1, 3.2.6	1–2	3–4	5–6	EMM (SAM 2014)
Recruitment variation, $B_0$		x	x		EMM
Fishing vessel survey		x		x	EMM/ASAM
Catch monitoring, escape mortality, green weight	3.3.4.2, 3.3.4.3		x		EMM
CEMP review and STAPP	3.1.2.2, 3.1.2.3, 3.1.3.2.6, 3.1.3.2.7, 3.2.1.4	x	x	x	EMM
Krill observer scheme		x	x		EMM
<b>Fish</b>					
Biennial assessments			x		FSA/SAM
Other assessments 48.4, 58.5.1		x	x	x	FSA
By-catch	3.1.3.2.1, 3.1.3.2.2	x		x	FSA
Data-poor fisheries	3.1.1.2, 3.1.1.3	x	x	x	FSA/SAM*
Depleted/recovering stocks	3.1.1.1	x		x	FSA
Biology and ecology and fish-based ecosystem interactions		x	x	x	FSA/EMM
Tagging program		x		x	FSA/SAM*
<b>MPA</b>					
MPA issues	2.4.3.1, 2.4.3.2	x		x	EMM†
<b>Observers</b>					
Accreditation	3.3.4.1	x	x	x	COTPAS
Observer scheme review	3.3.4.2		x		
<b>VME</b>					
Outstanding future work (SC-CAMLR-XXIX, Annex 8, paragraph 9.37)		x			FSA
Modelling			x		SAM
CM 22-06		x	x	x	EMM
Review and update of impact assessments		x	x	x	FSA
Method assessment for all bottom methods			x		FSA

\* Potential focus topic for SAM in 2012 noting the potentially revised role of SAM (paragraph 2.5). The numbers in 'Feedback management' refer to the milestones in paragraph 3.33.

† Technical workshops during 2012

2012 SG-ASAM 1 week in April/May  
 SAM or \* 1 week prior to, or following, EMM  
 EMM 2 weeks (early July)  
 FSA 2 weeks