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Summary of Population Data, Conservation Status and Foraging Range of Seabird Species at Risk from Longline Fisheries in the Convention Area (SC-CCAMLR XXIII/BG/22)

SC-CAMLR-XXIII/BG/22

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**SUMMARY OF POPULATION DATA, CONSERVATION STATUS
AND FORAGING RANGE OF SEABIRD SPECIES AT RISK
FROM LONGLINE FISHERIES IN THE CONVENTION AREA**

Ad Hoc Working Group on Incidental Mortality Arising from Fishing (WG-IMAF)

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**SUMMARY OF POPULATION DATA, CONSERVATION STATUS
AND FORAGING RANGE OF SEABIRD SPECIES AT RISK
FROM LONGLINE FISHERIES IN THE CONVENTION AREA**

The two tables attached contain summaries of:

- (i) the conservation status and population information available
- (ii) data on foraging range in relation to CCAMLR statistical areas,

of seabird species at risk from longline fisheries in the Convention Area.

2. Ad hoc WG-IMAF expects to update these tables each year on the basis of annual reports of new data from Members and from other data published in the scientific literature.

Table 1: Summary of data on seabird species at risk from longline fisheries in the Convention Area, indicating the level of information available on population parameters, DNA profile and conservation status (BirdLife International (2000) and WG-FSA-01/55). (Information extracted from documents cited in SC-CAMLR-XVIII, Annex 5; SC-CAMLR-XIX, Annex 5; SC-CAMLR-XX, Annex 5; SC-CAMLR-XXI, Annex 5; SC-CAMLR-XXII, Annex 5; SC-CAMLR-XXIII, Annex 5; also Gates, 1998; Marchant and Higgins, 1990).

Species	Conservation Status	Study Location	DNA Profile	Population Information				
				Annual Pairs	Year Started	Population Estimate	Trend	Adult Survival
<i>Wandering albatross</i> <i>Diomedea exulans</i>	Vulnerable	South Georgia	✓	1 153	1972	✓	✓	✓
		Marion	✓	1 794	1984	✓	✓	✓
		Prince Edward	✓	1 277	1979	✓	✓	✓
		Crozet	✓	1 734	1966	✓	✓	✓
		Kerguelen	✓	1 455	1973	✓	✓	✓
		Macquarie	✓	13	1994	✓	✓	
<i>Antipodean albatross</i> <i>Diomedea antipodensis</i>	Vulnerable	Auckland	✓	65	1991	✓	✓	
		Adams	✓	5 762		✓	✓	
		Antipodes	✓	5 148	1994	✓	✓	
<i>Amsterdam albatross</i> <i>Diomedea amsterdamensis</i>	Critically Endangered	Amsterdam	✓	13	1983	✓	✓	
<i>Southern royal albatross</i> <i>Diomedea epomophora</i>	Vulnerable	Campbell	✓?	7 800	1995	✓	✓	
		Auckland Islands	✓?	<100		✓	✓	
<i>Northern royal albatross</i> <i>Diomedea sanfordi</i>	Endangered	Chatham	✓?	5 200	1990s	✓	check	
		Taiaroa	✓?	18	1950s	✓	check	
<i>Grey-headed albatross</i> <i>Thalassarche chrysostoma</i>	Vulnerable	Diego Ramirez	✓	10 000	1999	✓	✓	
		South Georgia	✓	47 800	1976	✓	✓	
		Marion	✓	6 217	1984	✓	✓	
		Prince Edward		1 500				
		Crozet		5 946	1980			
		Kerguelen	✓	7 900				
		Macquarie	✓	95	1994	✓	✓	
		Campbell	✓	6 400	1987	✓	✓	

(continued)

Table 1 (continued)

Species	Conservation Status	Study Location	DNA Profile	Population Information					
				Annual Pairs	Year Started	Population Estimate	Trend	Adult Survival	Juvenile Survival
Black-browed albatross <i>Thalassarche melanophrys</i>	Endangered	Diego Ramirez	✓	55 300	2002	✓			
		Diego de Almagro	✓	15 900	2001	✓			
		Evangelistas Islets	✓	4 670	2002	✓			
		Islas Idefonso	✓	47 000	2002	✓			
		Falklands/Malvinas	✓	382 000	1990	✓	✓	✓	✓
		South Georgia	✓	75 500	1976	✓	✓	✓	✓
		Crozet		980					
		Kerguelen	✓	3 115	1978	✓	✓	✓	✓
		Heard Island		600	2000	✓			
		McDonald Island		750	1979	✓			
Macquarie	✓	45	1994	✓	✓	✓	✓		
Campbell	✓	<30	1995	✓					
Antipodes		100	1995	✓					
Campbell albatross <i>Thalassarche impavida</i>	Vulnerable	Campbell	✓	26 000	1987	✓		✓	
Atlantic yellow-nosed albatross <i>Thalassarche chlororhynchos</i>	Endangered	Tristan da Cunha	✓	27 000			✓		
		Gough	✓	46 000	1982		✓	✓	
Indian yellow-nosed albatross <i>Thalassarche carteri</i>	Endangered	Amsterdam		25 000	1978	✓	✓	✓	
		Prince Edward		7 000					
		Crozet		4 430					
Buller's albatross <i>Thalassarche bulleri</i>	Vulnerable	Snares		8 460	1992	✓	✓	✓	
		Solander		4 000-5 000	1992	✓			
Chatham albatross <i>Thalassarche eremita</i>	Critically Endangered	Chatham	✓	4 000	1998	✓			
Salvin's albatross <i>Thalassarche salvini</i>	Vulnerable	Bounty		76 000	1998	✓			
		Ile des Pingouins, Crozet Snares		4 4 650					

(continued)

Table 1 (continued)

Species	Conservation Status	Study Location	DNA Profile	Population Information				
				Annual Pairs	Year Started	Population Estimate	Trend	Adult Survival
White-capped albatross <i>Thalassarche steadi</i>	Near-Threatened	Antipodes	✓	75	1972	✓	✓	
		Disappointment	✓	72 000				
		Adams	✓	100				
		Auckland		3 000	1994	✓		
Light-mantled albatross <i>Phoebastria palpebrata</i>	Near-Threatened	South Georgia		6 500				
		Marion		201				
		Prince Edward						
		Crozet		2 151	1966	✓	✓	✓
		Kerguelen		3 000–5 000	1994	✓	✓	✓
		Heard, McDonald		500–700				
		Macquarie	✓	1 100	1993	✓	✓	✓
		Campbell		>1 500	1995	✓	✓	
		Auckland		5 000	1972	✓	✓	
		Antipodes		<1 000	1995	✓	✓	
Sooty albatross <i>Phoebastria fusca</i>	Endangered	Tristan da Cunha		2 750				
		Gough		5 000–10 000	2000	✓		
		Marion		2 055				
		Prince Edward		700				
		Crozet		2 298	1968	✓	✓	✓
Southern giant petrel <i>Macronectes giganteus</i>	Vulnerable	Amsterdam		300–400	1992	✓	✓	
		Antarctic Peninsula		1 125				
		Enderby Land		no estimate				
		Frazier		250				
		Adélie Land		9–11	1964	✓		
		South Shetland		7 185				
		South Orkney		8 755	1976	✓		
		South Sandwich		800				
		Falklands/Malvinas		5 000				
		South Georgia		5 000	1980	✓	✓	✓
		Gough						
Marion		1 500	1984	✓	✓			

(continued)

Table 1 (continued)

Species	Conservation Status	Study Location	DNA Profile	Population Information						
				Annual Pairs	Year Started	Population Estimate	Trend	Adult Survival	Juvenile Survival	
Southern giant petrel (continued) <i>Macronectes giganteus</i>	Vulnerable	Prince Edward								
		Crozet		1 017	1981	✓	✓			
		Kerguelen		3-5						
		Heard		2 350						
		Macquarie		2 150	1994	✓	✓			
Northern giant petrel <i>Macronectes halli</i>	Near-Threatened	South Georgia		3 000	1980	✓	✓	✓		
		Marion		350	1984	✓	✓			
		Prince Edwards								
		Crozet								
		Kerguelen		1 450-1 800	1981	✓				
		Macquarie		1 300-1 600	1986	✓				
		Campbell			1994	✓				
		Auckland		230+						
		Antipodes		no estimate						
		Chatham		320						
				no estimate						
White-chinned petrel <i>Procellaria aequinoctialis</i>	Vulnerable	Falklands/Malvinas		1 000-5 000						
		South Georgia		2 000 000	1995	✓	✓			
		Prince Edwards		10 000s	1996	✓	✓			
		Crozet		10 000s	1968	✓	✓			
		Kerguelen		100 000s						
		Auckland, Campbell, Antipodes								
Grey petrel <i>Procellaria cinerea</i>	Near-Threatened	Tristan da Cunha		1 000s						
		Gough		100 000s						
		Prince Edwards		1 000s						
		Crozet		1 000s						
		Kerguelen		1 000s						
		Macquarie		<100						
		Campbell		10 000s						
Antipodes		10 000s								

Table 2: Summary of data on seabird species at risk from longline fisheries in the Convention Area, indicating the level of information available on foraging ecology in respect of years of study, stage of breeding cycle, CCAMLR areas visited and risk assessment (SC-CAMLR-XX/BG/11) of these areas. (Information extracted from documents cited in SC-CAMLR-XVIII, Annex 5; SC-CAMLR-XIX, Annex 5; SC-CAMLR-XX, Annex 5; SC-CAMLR-XXI, Annex 5; SC-CAMLR-XXII, Annex 5; SC-CAMLR-XXIII, Annex 5; also Gates, 1998; Marchant and Higgins, 1990). nr = not recorded

Species	Study Location	Foraging Ecology			CCAMLR Area Visited (ALAF risk assessment)																				
		Data	Years	Trips	48	48 1	48 2	48 3	48 4	48 5	48 6	58 4	58 4 1	58 4 2	58 4 3	58 4 4a	58 4 4b	58 5	58 5 1	58 5 2	58 6	58 7	88	1	88 2
<i>Wandering albatross</i> <i>Diomedea exulans</i>	South Georgia	✓	1990-2000	15	152	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Mauro	✓	1995-1998	11	69	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Prince Edward	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Crozet	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Kingman Reef	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<i>Antipodean albatross</i> <i>Diomedea antipodensis</i>	Auckland	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Adams	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Antipodes	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<i>Southern royal albatross</i> <i>Diomedea epouphora</i>	Campbell	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Auckland Islands	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Chatham	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<i>Grey-headed albatross</i> <i>Thalassarche chryzostoma</i>	Diego Ramirez	✓	2000-2001	nr	240	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	South Georgia	✓	1991-2000	4	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Mauro	✓	1997-1998	4	15	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Prince Edward	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Crozet	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Kerguelen	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Macquarie	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<i>Black-browed albatross</i> <i>Thalassarche melanophrys</i>	Diego Ramirez	✓	1999-2001	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Kingman Reef	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	South Georgia	✓	1993-1994	11	74	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Crozet	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Kerguelen	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Heard, McDonald	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Antipodes	✓	2000-2001	10	5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<i>Atlantic yellow-nosed albatross</i> <i>Thalassarche chlororhynchos</i>	Tristan da Cunha	✓	1995	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Gough	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Campbell	✓	nr	nr	nr	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<i>Thalassarche ingooides</i>																									

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