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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 21 October 2004 Original: English Agenda Item No. 5

## 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)

This paper is presented for consideration by CCAMLR and may contain unpublished data, analyses, and/or conclusions subject to change. Data in this paper shall not be cited or used for purposes other than the work of the CCAMLR Commission, Scientific Committee or their subsidiary bodies without the permission of the originators and/or owners of the data.

## 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.

(continued)

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-XXIX, Annex 5; SC-CAMLR-XXIX, Annex 5; SC-CAMLR-XXIII, Annex 5; Also Gales, 1998; Marchant and Higgins, 1990). Table 1:

Number   Status   Profile   Annual   Year   Population   Trend   Adult   Invenire	Species	Conservation	Study Location	DNA			Population Inf.			
Vulherable   South Georgia   Valherable   South Georgia   Valherable   South Georgia   Valherable   Marion   Vulherable   Crozet   Valherable   Va		Status		Profile	Annual		Population	Trend	Adult	Juvenile
Vulnerable   South Georgia   Value   Vulnerable   South Georgia   Vulnerable   South Georgia   Vulnerable   Campbell   Vulnerable   Vulnerable   Campbell   Vulnerable   Vulnerable   Vulnerable   Campbell   Vulnerable   V	Wandering albatraca				I alls	Started	Estimate		Survival	Survival
Prince Edward	Diomeden exulans	vuinerable	South Georgia	>	1 153	1972		7	7	
Prince Edward	Comerce evaluis		Marion	7	1 794	1984		- ~;	> ~	> ~
Vulnerable   Auckland   Vilnerable   Auckland   Vilnerable   Auckland   Vilnerable   Auckland   Vilnerable   Auckland Islands   Vulnerable   Campbell   Vilnerable   Campbell   Vilnerable   Chatham   Vilnerable   Vilne			Prince Edward	>	1 277	1979		>	>	>
Kerguelen   1455   1973   1   1   1   1   1   1   1   1   1			Crozet	~	1 734	1966	> ~	-	-	-
Vulnerable Auckland			Kerguclen		1 455	1973	> 7	> ~	> ~	> -
Vulnerable Auckland			Macquarie	7	13	1994	> ">	> ">	> 7	>
Critically Ansterdam	Antipodean albatross Diomedea antinodensis	Vulnerable	Auckland	7	65	1991	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		> >	
Critically   Ansterdam   13   1983   14   14     Sa			Antipodes	~	5 762 5 148	1994	~~			
Sandangered   Campbell   Vi	Amsterdam albatross	Critically	Amsterdam				>	>	>	
Sign	Diomedea amsterdamensis	Endangered			13	1983	>	>	>	>
Endangered Chatham	Southern royal albatross	Vulnerable	Campbell	0/2	000 1	2001				
Endangered Chatham	Diomedea epomophora		Auckland Islands	<u>د</u> د	001>	2661	>	>		
Tajaroa	Northern royal albatross	Endangered	Chatham	9						
Vulnerable         Diego Ramirez         V         18         1950s         V         V           South Georgia         V         10 000         1999         V	Diomedea sanfordi	5	Total	> -	2 200	1990s	>	>	check	check
Vulnerable         Diego Ramirez         √         10 000           South Georgia         √         47 800           Marion         √         6 217           Prince Edward         1 500           Crozet         5 946           Kerguelen         √         7 900           Macquarie         √         95           Campbell         √         6 400	C		ı ataı Od	۸ ،	18	1950s	>	>	7	7
South Georgia	Thelessanche champees	Vulnerable	Diego Ramirez	>	10 000	1999	>			
Edward (217 1500 1500 1500 1500 1500 1500 1500 15	The Car Sosionia		South Georgia	7	47 800	1976	خـ .	7.	+	-
Edward 1500 1500 1500 1500 1500 1700 1700 1700			Marion	>	6 217	1984	د. م	> ~	>	>
len 4 7 900 arie 4 95			Prince Edward		1 500		>	>		
ال 7900 ال ال 95 ال ال 95			Crozet		5 946	1980				
ر 95 در 6400			Kerguelen	7	7 900					
۸ 6400			Macquarie	>	95	1994	7	7	-	
			Campbell	7	6 400	1087		>	>	

(continued)

Species	Conservation	Study Location	DNA			Population Information	ormation		
	Status		Profile	Annual Pairs	Year Started	Population Estimate	Trend	Adult	Juvenile
Black-browed albatross	Endangered	Diego Ramirez	>	55 300	2002	7			
I halassarche melanophrys		Diego de Almagro	>	15 900	2001	7			
		Evangelistas Islets	7	4 670	2002	ح ح			
		Islas Ildefonso	>	47 000	2002	>			
		Falklands/Malvinas	7	382 000	1990	~ ~	7	7	7
		South Georgia	7	75 500	9261	7	~ ~	~ ~	~ >
		Crozet		086				•	•
		Kerguelen	7	3 115	1978	>	>	7	7
		Heard Island		009	2000	~		-	-
		McDonald Island		750	1979	~ ~			
		Macquarie	7	45	1994	~>	~	7	
		Campbell	7	<30	1995		•	-	
		Antipodes		100	1995	7			
Campbell albatross Thalassarche impavida	Vulnerable	Campbell	7	26 000	1987	>		7	
Atlantic yellow-nosed albatross	Endangered	Tristan da Cunha	7	27 000			7		
Thalassarche chlororhynchos		Gough	>	46 000	1982		7	>	·
Indian yellow-nosed albatross Thalassarche carteri	Endangered	Amsterdam Prince Edward Crozet		25 000 7 000 4 430	1978	7	7	7	7
Buller's albatross Thalassarche bulleri	Vulnerable	Snares Solander		8 460 4 000–5 000	1992	77	7	7	
Chatham albatross Thalassarche eremita	Critically Endangered	Chatham	7	4 000	1998	7			
Salvin's albatross Thalassarche salvini	Vulnerable	Bounty Ile des Pingouins, Crozet Snares		76 000 4 4 650	1998	7			

Table 1 (continued)

(continued)

Species	Conservation	Study Location	DNA			Population Information	ormation		
	Status		Profile	Annual Pairs	Year Started	Population Estimate	Trend	Adult Survival	Juvenile
White-capped albatross Thalassarche steadi	Near- Threatened	Antipodes Disappointment Adams Auckland	>>>	75 72 000 100 3 000	1972	7 7	7		
Light-mantled albatross Phoebetria palpebrata	Near- Threatened	South Georgia Marion Prince Edward Crozct Kerguelen Heard, McDonald Macquarie Campbell Auckland Antipodes	7	6 500 201 2 151 3 000–5 000 500–700 1 100 >1 500 5 000	1966 1994 1993 1995 1972		77 77	77 7	7
Sooty albatross Phoebetria fusca	Endangered	Tristan da Cunha Gough Marion Prince Edward Crozet		2 750 5 000-10 000 2 055 700 2 298 300-400	2000	7 77	77	>>	7
Southern giant petrel Macronecles giganteus	Vulnerable	Antarctic Peninsula Enderby Land Frazier Adélie Land South Shetland South Orkney South Sandwich Falklands/Malvinas South Georgia Gough Marion		1 125 no estimate 250 9-11 7 185 8 755 800 5 000 5 000	1964 1976 1980 1980	2 7 7 7	7 7	-	

Table 1 (continued)

Table 1 (continued)

Species	Conservation	Study Location							
•	Ctatue	oracy cocanon	DINA ;			Population Information	ormation		
	Ordius		Protile	Annual Pairs	Year Started	Population Estimate	Trend	Adult	Juvenile
Southern giant petrel (continued) Macronecles giganteus	Vulnerable	Prince Edward Crozet		1 017	1861	>		BALL INC.	Survival
		Kerguelen Heard		3-5					
		Macquarie		2 150	1994	7>	7		
Northern giant petrel	Near-	South Georgia		3 000	1980	7			
Macronectes halli	Threatened	Marion		350	1984	خ .	~ ~	>	
		Prince Edwards				•	-		
		Crozet			1981	7			
		Kerguelen		1 450-1 800	9861	. >			
		Macquarie		1 300-1 600	1994	ح.	7		
		Campbell		230+		-	•		
		Auckland		no estimate					
		Antipodes		320					
		Chatham		no estimate					
White-chinned petrel	Vulnerable	Falklands/Malvinas		1 000-5 000					
r rocellaria aequinoctialis		South Georgia		2 000 000	1995	7	7		
		Prince Edwards		10000s	9661	ح.			
		Crozet		10 000s	1968	ح ،	>		
		Kerguelen		100 000s		-	-		
		Auckland, Campbell, Antipodes							
Grey petrel	Near-	Tristan da Cunha		1 000%					
Procellaria cinerea	Threatened	Gough		100 000s					
		Prince Edwards		1 000s					
		Crozet		1 000s					
		Kerguelen		1 000s					
		Macquarie		<100					
		Campbell		10000s					
		Antipodes		10 000s					

Species	Study Location			Foraging Ecology	cology	! 		İ		ļ i	V.S.	MLRA	rea Pros	nected (/	CCAMLR Area Prospected (M.44F risk assessment)	assessm.	(Jus				
		Data	Years		Trips		188	48 1 48 2 48 3 48 4 48 5	484	48 5 48	486 584	1 58 4	2 58.4	88	58 4 1 58 4 2 38 4 3 8 4 4 58 4 4 58 5 1 58 5 2 58 6 58 7 68 1 88 2 88 3	58.5	1 585	2 586	58.7	86	2.3
			'	Incubation	Chick Rear	Non-Breeding	~	۶.	`		2 3	**,	**		~	٠,	•	-			_
Wandering albattoss Diomedea exulans	South Georgia Mation Prince Edward Crozet Kerguelen Macourais	ママーンン	1990-2000 1936-1998 nr	2 = 2 z	152 69 RF		•		•			•	•	••	-	••	••	• •			•
Antpodean albatross Diomedea oraspodentiti	Auckiand Adams Antipodes	> >	2 2					-		<u> </u>	-	<u> </u>			-	_	<u> </u>			-	
Southern royal albatross Diomedea eponophora	Campbell Auckland Islands	7	2					-	<u> </u>	+		-	ļ	$\perp$					<del></del>	+	
Northern royal albatross Diomedea sanfordi	Chatham Taiaroa	~~	2 2				İ	+		+	-	-				<u> </u>	1_	ļ	+		
Grey-headed albatoss Thalassarche chrystostoma	Dego Raninez South Georgia Marion Prince Edward Crozel Kerguelen Macquaric Campbell	× 444	2000-2001 1991-2000 1997-1998 2000-2001	544 0	25 E		••	•	•					•	<del> </del>		<u> </u>	•	+ •	•	1•
Black-browed alkatross Pholassearche melanophrya	Diego Ramirez Falkhadek/falvinas South Georgia Crozet Kerguelen Heart, McDonald Macquaric Marquaric Campbell	~ ~ ~~	1999-2001 nr 1993-1994 nr 2000-2001	2 2 E S	F # 12 8 8		•	•	•									· · · · · · · · · · · · · · · · · · ·			•
Atlantic yelkow-nosed athatoss Thalassarche chlorerhynchos	Tristan da Cunha Gough						-	1	<u> </u>	<del> </del> -	-	-	_			_		1	-	+-	<u> </u>
Campbell albatross Thalassarche impavida	Campbell	>	1995	a	ħ			<u> </u>		+	_	<u> </u>	<u> </u>					Ī	Ť	•	-

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Species	Study Lucation	į	i	Fora	Foreging Ecology		CCAMI	R Area Pros	CCAMLR Area Prospected (ALAF risk assessment)	risk assessi	sment)			-
		Outa	Years		Trips	48   48.2 48.3 48.4 48.5	48 6 58 4.1 5	84.2 58.4	58 4.1 58 4.2 58.4.3 58 4 4a 58.4 4b 58.5.1 58 5.2 58.6	8.4 4b 58.	5.1 58.5 2	2 58.6 5	58.7 88.1	88.2
Indian yelkow-nosed albatross		,		Incubation	ion Chick Brood Non-Breeding	3 3 5 1 1	~	3	~	2	7		5	
Tholassarche carteri	Crozel Amste	7	2	5	뉱									
Buller's altutross Thalossarche bullers	Snares Solander	->	2 2	3 5	24		+	+			-			
Chatham albatross Thalassarche eremita	Chutham	-	2	Z	2				1-	-	_		-	
Salvin's albatross Thalossarche solvini	lle des Pingouins, Crozet Bounty Snares							+			-			
White-capped albatross Thalossarche stead	Antipodes Disappuntment Adams Auckland													
Light-manica albaitoss Phocketna palpebruta	South Georgia Marion Prince Edward Grozel Kerguelen Heard, McDonald	7	2	2	2		<del>-</del>	<del> </del>						[
	Macquane Campbell Auckland Antipodes	->	1993, 2000	2			•						•	
Sony albeiross Phoeberra fias a	Tristan da Cunho Georgh Marrion Prince Edward Crozel Arnsterdani	7	2	z	צ			<u>i</u>						,
Southern giant pettel Macrometer gegomens	Antactic Permanda Frazara Frazara Frazara South Scheland South State South Okracy South Okracy South Okracy South Okracy South Cecropa Gough Mancan Prince Eulward Crozel Crozel Ketgelen Heard Macquanic	>	8661-966!	=		•			•					

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Species	Study Location			Foraging Ecology	cology		i		: 			CAML	RAICE	CCAMLR Area Prospected (1)(4F and assessment)	denta	not as			Ì			
		Data	Years		Trips		89	48.2	8.3.48.	4 48 5	486	8 4.1	48.1 48.2 48.3 48.4 48.5 48.6 58.4.1 58.4.2 58.4.3	84.3	4 43	58 442 58 4 45 58 5 1 58 5 7 58 6 58 7 88	2 82	585	58.6	58.7		6 00 1 00
				Incubation	Incubation Chick Brood	Non-Breeding	<u></u>	<b>P</b>		_	~	~	_		~	~	·	,	, ,	,		8
Northern grant potect Macromee tes hadit	South Georgia Mirion Prince Edward Crozel Kergenlen Macquarie Campbell Auskland Antiquedes Chatham	! , > 	866	∞				•	•					,	,	1		• [		2	7	-
White-channed petrel Procellaria acquimenatis	Falkinnts/Makmas South Georgia Prince Edwards Crozel Kerguelen Aurkland, Campbell, Antipodes	277	1996–1998 nr	, 5 E E	E E E	<u> </u>		•	•		<del>                                     </del>	<del> </del>		<del>  -</del> -						<del> </del>		
Grey petied Procellien emerea	Tristan da Cunha Gough Punes Edwards Cuoza Kerguelen Macquarie Gomphell							<u> </u>			<del> </del>	<del> </del>	<del> </del>	<u>:</u>						i		