

Identification of seabird killed and returned in New Zealand fisheries

1 July 2011 to 30 June 2012



ELIZABETH BELL & MIKE BELL

Wildlife Management International Limited, PO Box 45, Spring Creek, Marlborough 7244, New Zealand, biz@wmil.co.nz

NECROPSY PROGRAMME (1 July to 30 June 2012):

- 177 seabirds returned
- 13 taxa
- 30 vessels, 59 trips
- Maximum of 10 birds from a single trip
- 8 vessels returned only one bird each
- 5 species (XWM, XWC, XBM, XSH, XSA) = 88% of returns
- 25% returned in March, 18% in May, 12% in April
- 65% males
- 97% adults (73% breeding)
- 3 banded (2 Buller's albatross, 1 Antipodean albatross)

IDENTIFICATION OF SEABIRDS

NECROPSY PROGRAMME (FISHERIES):

Species	Trawl								Longline				Total
	Bottom					Midwater			Surface		Bottom		
	Scampi	Squid	Hoki	Ling	Other	Hoki	Squid	Other	Tuna	Other	Tuna	Other	
Antipodean albatross									2				2
Buller's albatross	1	8				6	4		16	1			36
Campbell albatross			1			1							2
Cape petrel					1	2				2			5
Grey petrel						5							5
NZ banded dotterel			1										1
NZ White-capped albatross	1	13	1		6	5	14		4	1			45
Salvin's albatross			4		2	1		1		1			9
Snares cape petrel						2							2
Sooty shearwater		3		9	7		2			1			22
Southern Royal albatross						1				1			2
Westland petrel												1	1
White-chinned petrel		11	3	2	5		22			2			45
Total	2	35	10	11	21	23	42	1	22	9	0	1	177
	145								32				

IDENTIFICATION OF SEABIRDS

NECROPSY PROGRAMME (CAUSE OF DEATH):

Species	Longline				Trawl			Vessel strike	Total
	Bill or Throat	Wing	Legs or Feet	Not obvious	Warp	Net	Cod-end		
Antipodean albatross	2								2
Buller's albatross	15				4	17			36
Campbell albatross					2				2
Cape petrel					4			1	5
Grey petrel						5			5
NZ banded dotterel								1	1
NZ White-capped albatross	5				13	26	1		45
Salvin's albatross					4	5			9
Snares cape petrel					2				2
Sooty shearwater	1					21			22
Southern Royal albatross	1				1				2
Westland petrel						1			1
White-chinned petrel	2					40	3		45
Total	26				30	115	4	2	177
% of total longline or trawl	100				20.1	77.2	2.7		
Albatrosses (%)	88.5				80	42	25		
Non-albatross (%)	11.5				20	58	75	100	

NECROPSY PROGRAMME (OBSERVER ID):

Species	ID correct	ID'd to correct 'species' group*	ID'd as seabird large or albatross*	ID'd as petrel unidentified*	ID wrong	ID not on label	ID new code required	Total
Antipodean albatross			2					2
Buller's albatross	31		2		3			36
Campbell albatross	1				1			2
Cape petrel		5						5
Grey petrel	2			3				5
NZ banded dotterel							1	1
NZ White-capped albatross	34	3	3		4	1		45
Salvin's albatross	9							9
Snares cape petrel		2						2
Sooty shearwater	17				1	4		22
Southern Royal albatross	1				1			2
Westland petrel					1			1
White-chinned petrel	32			11	1	1		45
Total	127	10	7	14	12	6	1	177
% total longline or trawl	71.8	5.6	4.0	7.9	6.8	3.4	0.6	

NECROPSY PROGRAMME (DISPOSAL):

- Quarterly updates of available birds to Iwi and Museums
- First in, first served for specimens
- Over 100 birds given to Iwi and Museums
 - All banded birds go to Te Papa



PHOTO-IDENTIFICATION (1 July to 30 June 2012):

- 92 seabird interactions reported or photographed (excluding those returned in autopsy programme)
 - 30 photographed and reported in MPI COD extract
 - 3 photographed, but not in extract
 - 59 listed in extract, but not photographed
- 22 different taxa
- Missing data from MPI COD extract (for January and February 2012) needs to be delivered to be added to final report

IDENTIFICATION OF SEABIRDS

PHOTO-IDENTIFICATION (IDENTIFICATION):

	Dead	Alive	Unknown	Total
Photographed & listed in MPI COD extract	16	14	0	30
No photograph, but in MPI COD extract	5	54	0	59
Photographed, but not in MPI COD extract	1	2	0	3
Total	22 (24%)	70 (76%)	0	92

IDENTIFICATION OF SEABIRDS

PHOTO-IDENTIFICATION (IDENTIFICATION):

Species	Confirmed	New, consistent	New, not consistent	Total
Black petrel	1			1
Buller's albatross	4			4
Common Diving Petrel	1			1
Gibson's albatross	1	1	1	3
Grey petrel	1			1
Grey-backed storm petrel		1	1	2
NZ white-capped albatross	1			1
Salvin's albatross	5			5
Sooty shearwater	3			3
Southern Royal albatross			1	1
White-chinned petrel	8			8
Total	25	2	3	30
Live	13	2	2	14
Dead	12		1	16

PHOTO-IDENTIFICATION - ISSUES:



PHOTO-IDENTIFICATION - ISSUES:

- Still getting interactions that are not photographed (i.e. listed in extract, but no images)
- A range in the quality of photographs
- Difficulties in matching photo with information
 - No label with dead birds
 - Live specimens can't be labelled, but photo logs sometimes insufficient
- Delays in obtaining images and extracts

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- Kristopher Ramm who provided the link between Wildlife Management International Ltd, the Department of Conservation and the Ministry of Fisheries Observer Programme, and helped provide clarification on any discrepancy with autopsy tag data and photograph records.
- Kelvin Floyd (WMIL) developed the WMIL autopsy and photo-identification database.