

Summary of autopsy reports for seabirds killed and returned from observed New Zealand fisheries

1 October 1996 - 30 September 2005, with specific reference to
2002/03, 2003/04, 2004/05

DOC RESEARCH & DEVELOPMENT SERIES 291

Published by
Science & Technical Publishing
Department of Conservation
PO Box 10420, The Terrace
Wellington 6143, New Zealand

DOC Research & Development Series is a published record of scientific research carried out, or advice given, by Department of Conservation staff or external contractors funded by DOC. It comprises reports and short communications that are peer-reviewed.

Individual contributions to the series are first released on the departmental website in pdf form.

Hardcopy is printed, bound, and distributed at regular intervals. Titles are also listed in our catalogue on the website, refer www.doc.govt.nz under *Publications*, then *Science & technical*.

© Copyright May 2008, New Zealand Department of Conservation

ISSN 1176-8886 (hardcopy)

ISSN 1177-9306 (web PDF)

ISBN 978-0-478-14404-8 (hardcopy)

ISBN 978-0-478-14405-5 (web PDF)

This report was prepared for publication by Science & Technical Publishing. Publication was approved by the Chief Scientist (Research, Development & Improvement Division), Department of Conservation, Wellington, New Zealand.

In the interest of forest conservation, we support paperless electronic publishing. When printing, recycled paper is used wherever possible.

CONTENTS

Abstract	5
<hr/>	
1. Introduction	6
<hr/>	
2. Methods	6
<hr/>	
2.1 Sexing and ageing birds	7
2.2 Determination of the breeding status of adults	7
2.3 Subcutaneous fat score	7
2.4 Stomach contents	8
2.5 Moulting and brood patch development	8
3. Results	9
<hr/>	
3.1 Species returned	9
2002-2003	9
2003-2004	9
2004-2005	9
1996-2005	12
3.2 Fishery contributions	13
3.3 Abundance of each sex	15
3.4 Abundance of each age-class	16
3.5 Stomach contents of returned birds	16
3.6 Fat scores of most commonly returned species	17
3.7 Identifications of seabirds by observers	18
4. Conclusions	21
<hr/>	
5. Acknowledgements	21
<hr/>	
6. References	22
<hr/>	
Appendix 1	
<hr/>	
Raw data for autopsied seabirds for 2002/03, 2003/04, 2004/05 fishing years	23

Summary of autopsy reports for seabirds killed and returned from observed New Zealand fisheries

1 October 1996 – 30 September 2005, with specific reference to
2002/03, 2003/04, 2004/05

Summarised from:

Robertson, C.J.R.; Bell, E.; Blezard, R.H.; Scofield, P. 2005: Autopsy report for seabirds killed and returned from New Zealand fisheries, 1 October 2003 to 30 September 2004. Unpublished report to the Department of Conservation.

Robertson, C.J.R.; Bell, E.; Scofield, P. 2005: Autopsy report for seabirds killed and returned from New Zealand fisheries, 1 October 2002 to 30 September 2003. Unpublished report to the Department of Conservation.

Robertson, C.J.R.; Bell, E.; Fraser, M.J.; Scofield, P. 2006: Autopsy report for seabirds killed and returned from New Zealand fisheries, 1 October 2004 to 30 September 2005. Unpublished report to the Department of Conservation.

ABSTRACT

In the 9 years between 1 October 1996 and 30 September 2005, New Zealand Government fisheries observers returned 4055 seabirds incidentally killed aboard longline and trawl vessels. The birds returned represented 44 taxa, with 6 taxa making up 86.3% of returns. Birds were received from squid, scampi and fish trawlers (47.4%), domestic bottom (demersal) longliners (34.9%) and pelagic tuna longliners (17.7%). During these 9 years, white-chinned petrels ($n = 947$), white-capped albatross ($n = 876$), sooty shearwaters ($n = 711$), grey petrels ($n = 533$), Salvin's albatross ($n = 247$) and Buller's albatross ($n = 184$) were the most commonly returned of the 44 taxa. For each fishing type and fishery, a few of the fishing vessels were responsible for catching more than 80% of the birds returned for autopsy. Bird body condition (based on fat scores) declined over the 9 years of returns.

Keywords: seabirds, bycatch, albatross, shearwater, petrel, seabird diet, fishing practice, New Zealand

© May 2008, New Zealand Department of Conservation. This paper may be cited as:
Conservation Services Programme 2008: Summary of autopsy reports for seabirds killed and returned from observed New Zealand fisheries: 1 October 1996 – 30 September 2005, with specific reference to 2002/03, 2003/04, 2004/05. *DOC Research & Development Series 291*. Department of Conservation, Wellington. 110p.

1. Introduction

Large numbers of seabirds frequent New Zealand commercial fishing waters. Some are caught unintentionally during fisheries operations. Birds with significant differences in conservation status can appear morphologically similar. In order to monitor the effectiveness of different strategies aimed at avoiding or mitigating seabird captures, and to ensure that captures of particular species of high to medium risk are avoided, identification of the species caught in fisheries is required. This information is also useful in assessing the effect of fisheries on seabird populations, as it allows an assessment of the relative importance of different species in the composition of the total seabird catch. Further, the mode of capture combined with information about condition of the birds enables the factors contributing to seabird capture events to be analysed.

Government fisheries observers on commercial vessels are not always able to identify seabirds at sea with high precision. To a large extent, identifying species is a specialist task, while assessment of the age-class, sex and provenance of captured individuals requires autopsy (in the majority of cases). The information from these autopsy studies can inform ongoing research, assist in modelling the effects of fisheries removals for selected populations of high-risk seabirds, and contribute to other relevant research projects.

Autopsies of incidentally-caught seabirds returned by observers were undertaken for the Department of Conservation (DOC) as Conservation Services Programme (CSP) Contract 3051 (2002/03 and 2003/04) and INT2004/02 (2004/05). This report summarises the information gained during the autopsies of these specimens, with particular reference to those specimens returned in the three most recent fishing years surveyed (2002/03; 2003/04; 2004/05).

The number of specimens returned for autopsy does not indicate the total seabird catch rates for differing classes of vessels or fishing methods, as the observer coverage was not equally distributed throughout the fishing effort, nor were all incidentally caught birds returned for autopsy (D. Fairfax, formerly of Conservation Services Programme, DOC, pers. comm.).

Specific catch locations and the names of the vessels from which the specimens were returned are not provided because of commercial confidentiality.

2. Methods

Seabirds returned for autopsy were examined to determine the following:

- Species identification and classification
- Sex and age
- Subcutaneous fat score as an index of body condition
- Stomach and gizzard contents
- Moulting and brood patch development as a partial indicator of breeding status
- Provenance (origin) (where possible)

Raw data for each autopsied specimen are detailed in Appendix 1. To ensure compatibility with previous autopsy programmes, the methods and definitions described by Bartle (2000) have been followed (unless otherwise stated). These are described below.

2.1 SEXING AND AGEING BIRDS

All birds were sexed by dissection, except those that had been disembowelled by scavengers or machinery. Birds were aged by a combination of plumage, gonadal and brood patch characters. Age categories used were:

- *Juveniles*—birds in their first year of life (first plumage)
- *Immatures*—older birds in non-adult plumage (small gonads)
- *Sub-adults*—birds in adult plumage which have not yet bred (gonadal evidence especially in females with straight oviducts)
- *Adults*—birds in adult plumage where breeding status could not be positively determined (females showed convoluted oviducts)
- *Breeding adults*—birds which were breeding at the time of capture (gonadal and brood patch evidence)
- *Non-breeding adults*—adults which were definitely not breeding at the time of capture (flight-feather moult, gonadal and brood patch evidence)

2.2 DETERMINATION OF THE BREEDING STATUS OF ADULTS

Breeding status could be assessed for many individuals by looking at their flight-feather moult, gonad development, and brood patch, in relation to the date caught:

- *Non-breeders*—adult birds in active flight feather moult are not breeders. Other non-breeders were classed as such by their enlarged gonads during the incubation period, when breeders' gonads have already regressed. Also, although brood patches of non-breeders become clear of down several weeks later than those of breeders, they remain bare longer (Bartle 1968).
- *Breeders*—at nesting time, breeders show no moult except for contour feather moult, gonads are (briefly) much enlarged, and the brood patch is bare. Males tend to have whitish or bicoloured testes, and females greatly enlarged ovules. An independent check on the assessment of breeding status was sometimes available from banding data.

2.3 SUBCUTANEOUS FAT SCORE

Initially, the amount of subcutaneous fat was scored to obtain a general idea of body condition as follows: 1 = no fat; 2 = little fat; 3 = moderate fat; 4 = fat; 5 = very fat (Bartle 2000). Subsequent observations (Fraser 2005) have allowed more precise definitions to be categorised from the amount of fat deposited on

the exterior of the stomach and gizzard, the amount of fat between the intestines and the thickness of any subcutaneous fat under the skin next to the pectoral muscles. Accordingly, a more precise interpretation has been developed:

1. No fat on stomach, gizzard or between intestines. No subcutaneous fat. Areas where fat normally accumulates show as collapsed yellow/orange cells.
2. Subcutaneous fat, white or yellow, and <0.5-mm thick in thin lines or small patches. The stomach and gizzard both have a covering of thin or patchy white and yellow fat, with the yellow areas being predominant. There are small globules of fat between the intestines.
3. A thin covering of patchy subcutaneous white fat (0.5–1 mm) with small amounts of yellow. Moderately thick (1 mm) patches of white fat cover up to 75% of stomach and gizzard while small amounts of yellow fat may be present where the white fat is thinnest. Small globules (1 mm) of white fat in separate patches between intestines with some yellow fat present.
4. Thick (1–2 mm) white subcutaneous fat. Thick (2–4 mm) white fat covering most of stomach and gizzard, but with small bare patches and, occasionally, small areas of yellow fat. Thick (3 mm) white globules of fat gathered in small clumps between the intestines, almost forming a thick band between the intestines.
5. Very thick (>3 mm) white subcutaneous fat and thick (>4 mm) white fat covering all of stomach and gizzard. There is a thick (>5 mm) accumulation of globules or bands of white fat between the intestines. Examination of the body cavity becomes difficult because of the thick fat deposits.

2.4 STOMACH CONTENTS

The contents of the stomach and gizzard were examined and identified as to major animal group (e.g. fish, squid) and, since 1998, an attempt has been made to determine the origin of the contents, especially factory processing waste or longline baits.

2.5 MOULT AND BROOD PATCH DEVELOPMENT

Active wing or tail moult was noted, as well as the active moult of body (= contour) feathers, which is most evident when the skin is turned inside out. Presence or absence of down on the brood patch was recorded.

3. Results

Table 1 lists all species returned during the 9-year monitoring period.

Fishing years begin on 1 October and finish on 30 September the following year. In the 2002/03 fishing year, 496 birds were returned from 57 separate fishing trips with on-board observers. In 2003/04, 351 were returned from 101 different vessels and 164 separate observed fishing trips. In 2004/05, 360 were returned from 98 different vessels and 148 separate observed fishing trips.

Over the nine fishing years between 1 October 1996 and 30 September 2005, 278 individual vessels were observed by government fisheries observers on 1171 trips. During this period, a total of 4055 seabird specimens were returned to the autopsy programme.

3.1 SPECIES RETURNED

2002–2003

During the 2002/03 fishing year, a total of 496 birds were returned, representing 20 taxa (Table 2A). Of these, two taxa returned over 100 specimens each: white-chinned petrels ($n = 140$) and sooty shearwaters ($n = 100$). Nine of the 20 taxa returned more than 10 specimens and contributed 95.2% of the returned birds.

New taxa returned and recorded for the first time in the programme were the white-headed petrel and the western weka. The latter is a non-flying land bird that was recovered from a mid-water trawl off the west coast of the South Island. The autopsy determined that the bird had been dead for more than a day prior to capture. No banded birds were returned during this fishing year.

2003–2004

During the 2003/04 fishing year, a total of 351 birds were returned, representing 20 taxa (Table 2B). Of these, over 100 specimens of white-capped albatross ($n = 145$) were returned. Five of the 20 taxa returned more than ten specimens and contributed 92.8% of the returned birds.

New taxa returned and recorded for the first time in the autopsy programme were the blackbird, pied shag, grey-backed storm petrel and white-faced storm petrel. Two banded birds were returned during this fishing year: L-34155—a Westland petrel banded as a chick on 4 December 1997 (Autopsy 43940); and M-58338—a Campbell albatross banded as a chick on 17 March 1994 (Autopsy 43954).

2004–2005

During the 2004/05 fishing year, a total of 360 birds were returned, representing 20 taxa (Table 2C). Of these, more than 100 specimens of white-capped albatross ($n = 169$) were returned. Five of the 20 taxa each returned more than ten specimens and contributed 90.8% of the returned birds. Of the 98 vessels

Table 1 continued from previous page

COMMON NAME	SCIENTIFIC NAME	NUMBER KILLED AND RETURNED															
		FISHERY											SEX		AGE		
		DOMESTIC BOTTOM LONGLINER	DOMESTIC TUNA LONGLINER	JOINT VENTURE TUNA LONGLINER	PELAGIC TUNA LONGLINER	SCAMP TRAWLER	SQUID TRAWLER	TRAWLER	TOTAL	MALE	FEMALE	UNKNOWN	ADULT	NON-ADULT		UNKNOWN	
Northern giant petrel	<i>Macronectes halli</i>	3	6	8	17	9	7	1	7	10							
Northern royal albatross	<i>Diomedea sanfordi</i>		2	2	4	2	2		4								
Pacific albatross	<i>Thalassarche (platei) sp. nov.</i>	1		3	5	4		1	3	2							
Pied shag	<i>Phalacrocorax varius varius</i>	1			1	1			1								
Salvin's albatross	<i>Thalassarche salvini</i>	134	5	11	247	94	148	5	211	32	4						
Short-tailed shearwater	<i>Puffinus tenuirostris</i>			33	33	16	17		33								
Snares cape pigeon	<i>Deception australe</i>	1			1			1									1
Snowy (wandering) albatross	<i>Diomedea chionopectera</i>		2		2		2		2								
Sooty shearwater	<i>Puffinus griseus</i>	96		8	133	599	108	4	659	48	4						4
Southern cape pigeon	<i>Deception capense</i>	14		1	27	17	9	1	19	6							2
Southern giant petrel	<i>Macronectes giganteus</i>	4	2		6	4	2		1								
Southern royal albatross	<i>Diomedea epomophora</i>		1	7	17	12	5		17								
Welcome swallow	<i>Hirundo tahitica</i>				1			1									
Western weka	<i>Gallirallus australis</i>				1			1									
Westland petrel	<i>Procellaria westlandica</i>		1	1	5	2	3		4								
White-capped albatross	<i>Thalassarche steadi</i>	1	4	50	876	505	332	39	740	84	52						
White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	735	5	34	947	715	222	10	914	30	3						
White-faced storm petrel	<i>Pelagodroma marina</i>	2			2	2			2								
White-headed petrel	<i>Pterodroma lesssonii</i>				3	2	1		3								
Unknown					1	2		2	2								
TOTAL		1417	75	588	54	39	1392	490	4055	2477	1282	296	3625	311	119		

TABLE 2A. SPECIES, NUMBERS, SEX AND AGE OF BIRDS KILLED AND RETURNED FROM THE OBSERVED NEW ZEALAND FISHERIES BETWEEN 1 OCTOBER 2002 AND 30 SEPTEMBER 2003.

SPECIES	NUMBER KILLED AND RETURNED													
	FISHERY							SEX			AGE			
	DOMESTIC BOTTOM LONGLINER	DOMESTIC TUNA LONGLINER	JOINT VENTURE TUNA LONGLINER	PELAGIC TUNA LONGLINER	SCAMPI TRAWLER	SQUID TRAWLER	TRAWLER	TOTAL	MALE	FEMALE	UNKNOWN	ADULT	NON-ADULT	UNKNOWN
Antipodean (wandering) albatross				2			2	1	1		1	1		
Black-browed albatross				1			1	1				1		
Buller's albatross	1		15	5		4	25	11	14		20	5		
Campbell albatross				12			12	6	6		2	10		
Chatham albatross	2						2	1	1		2			
Common diving petrel	1						2	1		1	1		1	
Fairy prion							1	1			1			
Gibson's (wandering) albatross			1	4			5	3	2		5			
Grey petrel	55			5			60	29	13	18	58		2	
Grey-faced petrel				15			15	7	8		13	2		
Northern giant petrel							2	1	1		2			
Salvin's albatross	12						20	16	16		30	2		
Sooty shearwater	19			6	1	46	28	80	19	1	93	6	1	
Southern cape pigeon	8						4	7	4	1	8	3	1	
Southern royal albatross		1	2				3	1	2		3			
Western weka							1	1			1			
Westland petrel				1			1	1	1		1	1		
White-capped albatross			2		2	59	13	45	28	3	57	13	6	
White-chinned petrel	128		2	1		4	5	122	18		116	23	1	
White-headed petrel				2		1	3	2	1			3		
TOTAL 2002–2003	226	1	22	54	3	114	76	496	337	135	24	414	70	12
TOTAL 1996–2005	1417	75	588	54	35	1389	497	4055	2480	1279	296	3625	311	119

observed, 40 (40.8%) killed and returned one or more birds to the autopsy programme. The majority of these birds (84%) were returned from only 18 of the 40 vessels.

New taxa returned and recorded for the first time in the autopsy programme were the goldfinch and mottled petrel. One banded bird was returned during this fishing year: O-18817—a Campbell albatross banded as a chick on 23 March 1997 (Autopsy 54324) and previously recovered at Campbell Island.

1996–2005

Over the nine fishing years between 1996 and 2005, 4055 birds were killed and returned to the autopsy programme. Birds were recorded from 44 taxa, and two specimens were unidentifiable (Table 1). Of the 44 taxa, six were represented by at least 100 specimens, with white-chinned petrels being the most frequently returned species ($n = 947$) followed by white-capped albatross ($n = 876$), sooty shearwaters ($n = 711$), grey petrels ($n = 533$), Salvin's albatross ($n = 247$) and

TABLE 2B. SPECIES, NUMBERS, SEX AND AGE OF BIRDS KILLED AND RETURNED FROM THE OBSERVED NEW ZEALAND FISHERIES BETWEEN 1 OCTOBER 2003 AND 30 SEPTEMBER 2004.

SPECIES	NUMBER KILLED AND RETURNED													
	FISHERY							SEX			AGE			
	DOMESTIC BOTTOM LONGLINER	DOMESTIC TUNA LONGLINER	JOINT VENTURE TUNA LONGLINER	PELAGIC TUNA LONGLINER	SCAMPI TRAWLER	SQUID TRAWLER	TRAWLER	TOTAL	MALE	FEMALE	UNKNOWN	ADULT	NON-ADULT	UNKNOWN
Black petrel	1							1	1			1		
Blackbird							1	1	1				1	
Black-browed albatross		1						1		1		1		
Buller's albatross		7	15				3	5	30	16	11	3	27	
Campbell albatross		1					1	2	4	2	2		3	1
Common diving petrel	1								1	1			1	
Flesh-footed shearwater	1								1	1			1	
Fluttering shearwater	1								1	1			1	
Grey petrel	1	3							4	1	3		4	
Grey-backed storm petrel							1	1	2	2			1	1
Light-mantled sooty albatross		1							1	1			1	
Northern royal albatross								1	1	1			1	
Pied shag	1								1	1			1	
Salvin's albatross	2				3			7	12	5	5	2	8	2
Sooty shearwater	45				1	49	1	96	76	20			96	
Southern cape pigeon	1				1			2	1	1			1	1
Westland petrel		1						1	2		2		2	
White-capped albatross		4	12		1	120	8	145	69	60	16	109	19	17
White-chinned petrel	25		2		1	15		43	34	8	1	41	1	1
White-faced storm petrel	2							2	2				2	
TOTAL 2003–2004	81	18	29	0	7	190	26	351	216	113	22	302	26	23
TOTAL 1996–2005	1417	75	588	54	35	1389	497	4055	2480	1279	296	3625	311	119

Buller's albatross ($n = 184$). These six taxa contributed 86.3% of the returns over the 9 years of monitoring. The majority of returns were therefore made up of relatively few taxa and, overall, 19 of the 44 taxa identified contributed 98.4% of the returned birds.

Out of the 278 vessels observed, 132 (47.5%) killed and returned one or more birds to the autopsy programme.

3.2 FISHERY CONTRIBUTIONS

1996–2005

Overall, the domestic bottom longline and squid trawling fisheries returned the most seabirds over this period, accounting for 34.9% and 34.3% of the total returns respectively (Table 1). Figure 1 displays the proportions of small and large birds returned from each of the observed fisheries, with large birds including all

TABLE 2C. SPECIES, NUMBERS, SEX AND AGE OF BIRDS KILLED AND RETURNED FROM THE OBSERVED NEW ZEALAND FISHERIES BETWEEN 1 OCTOBER 2004 AND 30 SEPTEMBER 2005.

SPECIES	NUMBER KILLED AND RETURNED													
	FISHERY							SEX			AGE			
	DOMESTIC BOTTOM LONGLINER	DOMESTIC TUNA LONGLINER	JOINT VENTURE TUNA LONGLINER	PELAGIC TUNA LONGLINER	SCAMPI TRAWLER	SQUID TRAWLER	TRAWLER	TOTAL	MALE	FEMALE	UNKNOWN	ADULT	NON-ADULT	UNKNOWN
Black petrel	1							1	1			1		
Black-browed albatross								1	1			1		
Buller's albatross			6			9	9	24	11	10	3	20	1	3
Campbell albatross		2	4					7	6	1		2	5	
Chatham albatross					1			1		1		1		
Common diving petrel	1						1	3	1	2		1	2	
Fairy prion							2	2	2			2		
Flesh-footed shearwater	4							4	3	1		3	1	
Gibson's (wandering) albatross		1						1		1		1		
Goldfinch							1	1			1	1		
Grey petrel	1		2					5	3	2		5		
Mottled petrel							1	1		1			1	
Pacific albatross					2			2	2				2	
Salvin's albatross					2	9	14	25	13	11	1	18	5	2
Sooty shearwater	2						52	56	46	9	1	55		1
Southern cape pigeon								1	1			1		
Southern giant petrel			2					2	1	1		1	1	
Southern royal albatross							1	1	1			1		
White-capped albatross			2		1	162	4	169	100	66	3	147	14	8
White-chinned petrel	10	1	2		1	36	3	53	28	25		53		
TOTAL 2004–2005	19	4	18	0	7	272	40	360	220	131	9	314	32	14
TOTAL 1996–2005	1417	75	588	54	35	1389	497	4055	2480	1279	296	3625	311	119

albatross and giant petrel species, and small birds including all petrel, shearwater and other species. For the domestic bottom longline, 88.9% of returned birds were large birds, whereas both large and small birds were present in almost equal numbers in the squid trawler returns (Fig. 1; Table 1).

The contribution some fisheries make to the total number of birds killed and returned has changed over the 9 years of monitoring (Fig. 2). The number of birds returned from the domestic bottom longline fishery increased until the 2001/02 fishing year, but has steadily decreased since then to 5.3%. The contribution by the joint venture tuna longline fishery has decreased from almost 80% in 1996/97 to only 5% in 2004/05. In contrast, the contribution by the squid trawling fishery has generally increased over this period, and in 2004/05 was the highest contributor to the total number of returns (Tables 2A-C).

Figure 1. The proportion of small and large birds killed and returned in each of the observed fisheries between 1 October 1996 and 30 September 2005. Small birds = petrels, shearwaters and others. Large birds = albatross and giant petrels.

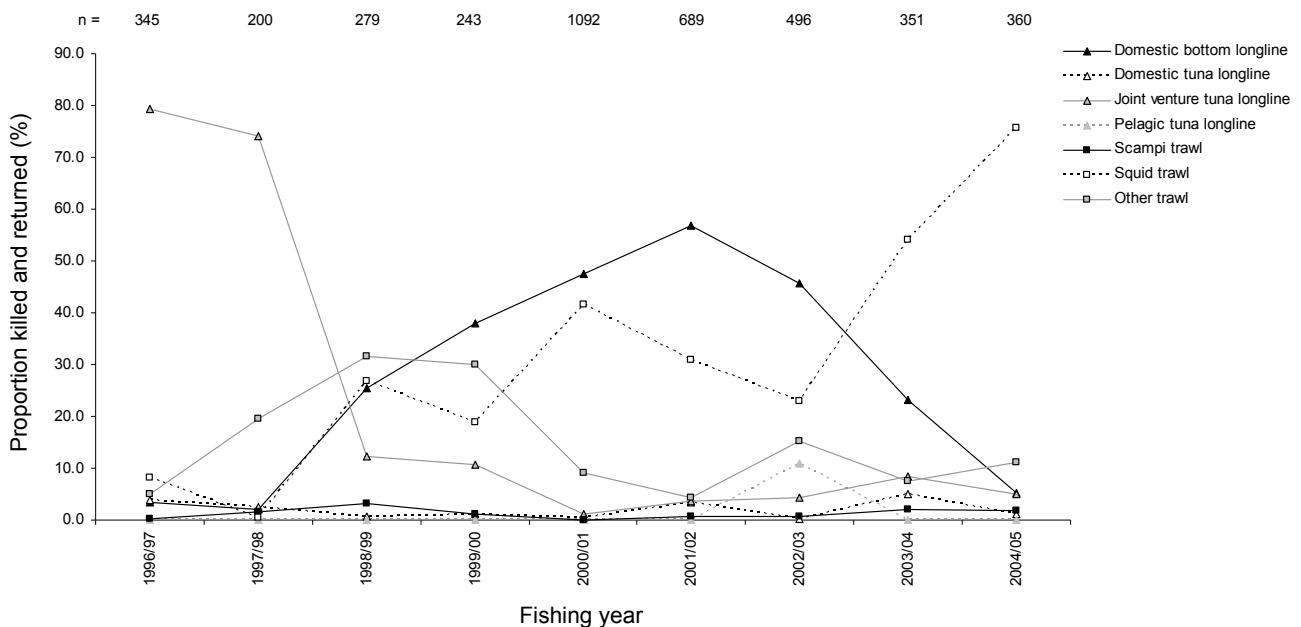
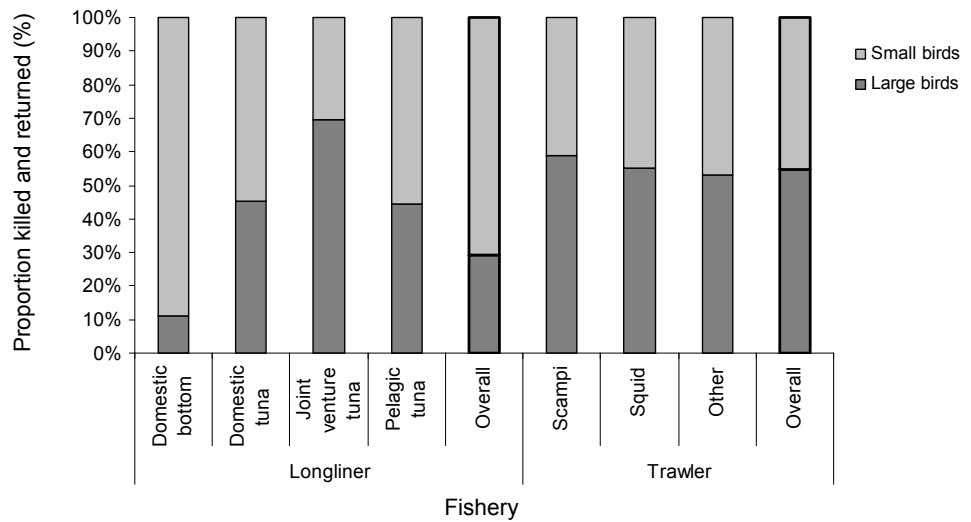


Figure 2. The contribution of each observed fishery to the number of birds killed and returned every fishing year between 1996 and 2005.

3.3 ABUNDANCE OF EACH SEX

1996–2005

Over the 9-year period between 1 October 1996 and 30 September 2005, almost twice as many male birds were returned as females (Table 1; Table 3). This trend was contributed to by three species (sooty shearwaters, white-capped albatross and white-chinned petrels), three of the most commonly caught taxa. In most other taxa, males and females were present in similar numbers, and for Salvin's albatross more females than males were caught. These patterns were also present in the data for the three most recent fishing years (Tables 2A-C). The high number of grey petrels of unknown sex is due to a number of specimens that could not be sexed due to sea lice damage.

TABLE 3. THE CONTRIBUTION (%) OF EACH OBSERVED FISHERY TO THE NUMBER OF BIRDS KILLED AND RETURNED EVERY FISHING YEAR BETWEEN 1996 AND 2005, AND THE RELATIVE ABUNDANCE OF EACH SEX AND AGE-CLASS.

	YEAR	NUMBER KILLED AND RETURNED													
		FISHERY							SEX			AGE			
		DOMESTIC BOTTOM LONGLINER	DOMESTIC TUNA LONGLINER	JOINT VENTURE TUNA LONGLINER	PELAGIC TUNA LONGLINER	SCAMPI TRAWLER	SQUID TRAWLER	TRAWLER	TOTAL BIRDS	MALE	FEMALE	UNKNOWN	ADULT	NON-ADULT	UNKNOWN
PROPORTION OF BIRDS RETURNED (%)	2004-2005	5.3	1.1	5.0	0.0	1.9	75.6	11.1	360	61.1	36.4	2.5	87.2	8.9	3.9
	2003-2004	23.1	5.1	8.3	0.0	2.0	54.1	7.4	351	61.5	32.2	6.3	86.0	7.4	6.6
	2002-2003	45.6	0.2	4.4	10.9	0.6	23.0	15.3	496	67.9	27.2	4.8	83.4	14.1	2.4
	2001-2002	56.9	3.5	3.6	0.0	0.7	30.9	4.4	689	73.3	24.8	1.9	93.5	5.1	1.5
	2000-2001	47.6	0.5	1.1	0.0	0.1	41.5	9.2	1092	58.5	27.1	14.4	93.0	5.0	2.0
	1999-2000	37.9	1.2	10.7	0.0	1.2	18.9	30.0	243	56.0	34.5	9.5	89.7	7.4	2.9
	1998-1999	25.4	0.7	12.2	0.0	3.2	26.9	31.6	279	65.6	25.4	9.0	83.9	6.4	9.7
	1997-1998	2.0	2.5	74.0	0.0	1.5	0.5	19.5	200	34.5	64.0	1.5	93.0	5.0	2.0
	1996-1997	3.5	3.8	79.4	0.0	0.3	8.1	4.9	345	52.8	44.0	3.2	86.1	13.9	0.0
	1996-2005	34.9	1.8	14.5	1.3	0.9	34.3	12.3	4055	61.2	31.5	7.3	89.4	7.7	2.9

3.4 ABUNDANCE OF EACH AGE-CLASS

1996-2005

Over the 9 fishing years between 1996 and 2005, more than ten times as many adults were returned as juveniles (Table 1; Table 3). This trend is fairly consistent throughout all taxa, and is prominent in the data for the three most recent fishing years (Tables 2A-C).

3.5 STOMACH CONTENTS OF RETURNED BIRDS

1996-2005

The stomach contents of birds returned from both the longline and trawling fisheries between 1 October 1996 and 30 September 2005 are shown in Fig. 3. In both the trawling and longline fisheries samples, a small proportion of specimens were missing their stomachs or their stomach contents could not be determined.

A higher proportion of birds returned from longline vessels, particularly large birds, had empty stomachs compared with those returned from trawl fisheries. Fewer birds returned from longliners contained natural food only (2-15% of large birds and 7-30% of small birds). Figure 3 shows that the stomachs of small birds tended to contain more natural food than those of large birds. In the longline fisheries, bait was more prevalent in stomachs than offal. More of the birds returned from longliners had mixed stomach contents compared with those returned from trawlers.

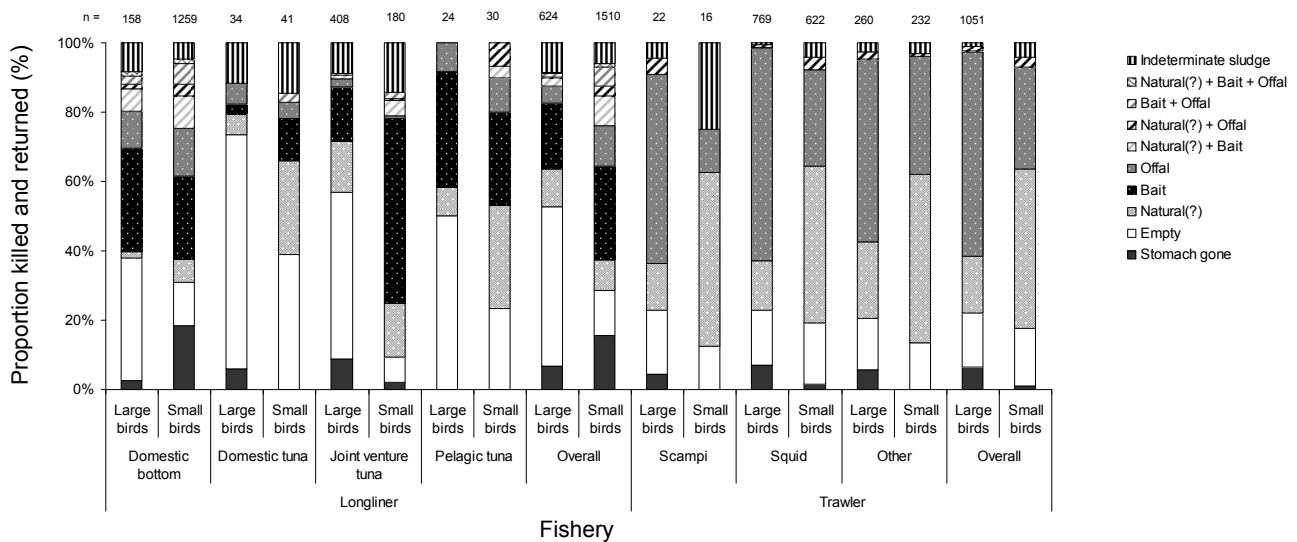


Figure 3. The stomach contents of large and small birds caught and returned from each of the observed fisheries between 1 October 1996 and 30 September 2005. Large birds = albatross and giant petrels. Small birds = petrels, shearwaters and others.

Throughout all trawl fisheries, a greater proportion of small birds had stomachs containing natural food only (45–50%) compared with large birds (14–22%), while a greater proportion of large birds had only eaten offal (52–61% compared with 12–34%). Few birds’ stomachs, regardless of size, contained natural food plus offal (0–5%). Offal in the stomach contents tended to be fresh, suggesting it was being obtained immediately prior to the birds’ interaction with the fishing gear that resulted in their death.

Plastic and rubber were the most common non-food items retrieved from stomach and gizzard contents, being found in 11.5% of all birds autopsied. These items were particularly common in the three shearwater taxa returned, with 40%, 81.8% and 34.9% of all flesh-footed shearwaters, short-tailed shearwaters and sooty shearwaters respectively containing such items. Following this in abundance were stones and grit, seaweed, and barnacles and shell, each being found in 4.9%, 4% and 3.1% of all birds autopsied respectively. Other non-food items found were seeds and vegetation, cord and rope, wood, feathers, hair and paint flakes.

3.6 FAT SCORES OF MOST COMMONLY RETURNED SPECIES

1996–2005

Table 4 compares the annual fat scores of the six species most commonly returned between 1 October 1996 and 30 September 2005. The mean fat scores per year for each of these species are displayed in Fig. 4. A trend of decreasing fat score over time can be seen for each of the species.

Among the six most commonly returned taxa, there was a trend towards an increasing proportion having the lowest fat scores (1 = no fat) over the 9 years monitored. This reached 52% of all specimens (where a score could be determined) in the most recent fishing year. The previous 8 fishing years recorded 0%, 11%, 20%, 23%, 29%, 34%, 47.5%, 41.5% (1996–2004) respectively.

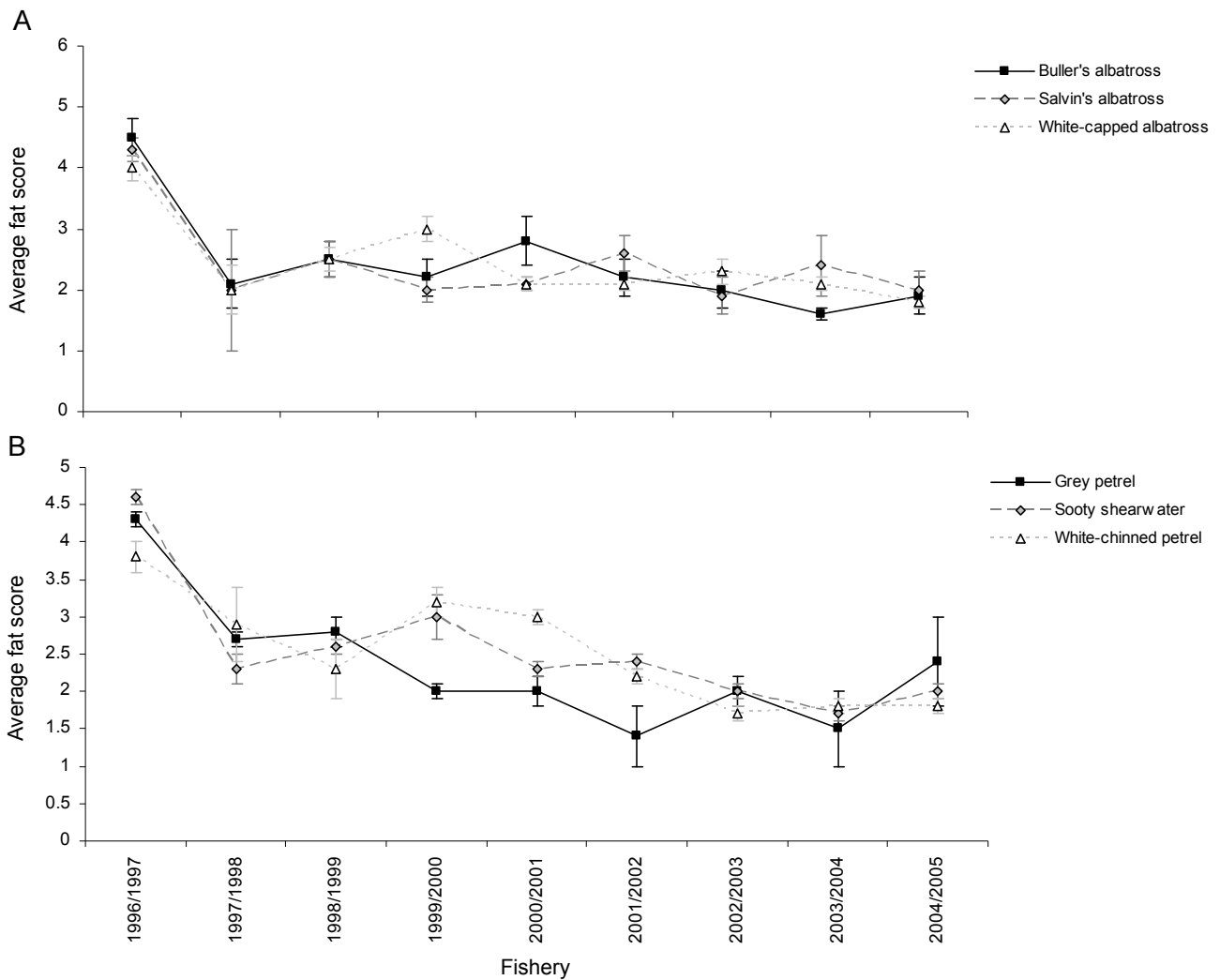


Figure 4. Mean annual fat score comparison for the six species killed and returned between 1996 and 2005 in significant numbers (>100 birds). A = large birds, B = small birds.

3.7 IDENTIFICATIONS OF SEABIRDS BY OBSERVERS

The at-sea species identifications made by observers, along with the final species identifications, as confirmed by autopsy, are given in Table 5 for all specimens returned between 1 October 1997 and 30 September 2005.

TABLE 4. ANNUAL FAT SCORE COMPARISON FOR THE SIX SPECIES KILLED AND RETURNED BETWEEN 1996 AND 2005 IN SIGNIFICANT NUMBERS (>100 BIRDS).

SPECIES	YEAR	TOTAL NUMBER OF SPECIMENS (<i>n</i>)	FAT SCORES							MEAN	SE
			1	2	3	4	5	U			
Buller's albatross	2004/2005	24	12	4	1	4			3	1.9	0.3
	2003/2004	30	17	6	5				2	1.6	0.1
	2002/2003	25	15	1	3	2	3		1	2.0	0.3
	2001/2002	21	9	5	4		3			2.2	0.3
	2000/2001	18	4	4	3	2	3		2	2.8	0.4
	1999/2000	18	7	3	4		2		2	2.2	0.3
	1998/1999	30	8	11	3	2	5		1	2.5	0.3
	1997/1998	10	2	4	1	1			2	2.1	0.4
	1996/1997	8			1	2	5			4.5	0.3
Grey petrel	2004/2005	5	2		2	1				2.4	0.6
	2003/2004	4	3		1					1.5	0.5
	2002/2003	58	10	14	8		1	25		2.0	0.2
	2001/2002	5	4		1					1.4	0.4
	2000/2001	190	12	16	5	2	1	154		2.0	0.2
	1999/2000	60	11	20	7	2			20	2.0	0.1
	1998/1999	70	5	13	13	10	3		26	2.8	0.2
	1997/1998	73		24	45	4				2.7	0.1
	1996/1997	66			2	40	23		1	4.3	0.1
Salvin's albatross	2004/2005	25	12	3	3	3	1		3	2.0	0.3
	2003/2004	12	4	3			1	2	2	2.4	0.5
	2002/2003	32	21	3	2	2	4			1.9	0.3
	2001/2002	22	7	6	2	2	5			2.6	0.3
	2000/2001	104	45	26	19	7	7			2.1	0.1
	1999/2000	23	9	9	1	3	1			2.0	0.2
	1998/1999	14	2	8	1	1	2			2.5	0.3
	1997/1998	2	1		1					2.0	1.0
	1996/1997	13			3	3	7			4.3	0.2
Sooty shearwater	2004/2005	56	20	20	12	3			1	2.0	0.1
	2003/2004	96	53	25	14	2	1		1	1.7	0.1
	2002/2003	100	39	33	16	9	2		1	2.0	0.1
	2001/2002	99	19	34	36	4	5		1	2.4	0.1
	2000/2001	228	57	85	58	20	6		2	2.3	0.1
	1999/2000	23	2	9	4	4	4			3.0	0.3
	1998/1999	62	8	22	21	10	1			2.6	0.1
	1997/1998	28	6	13	6	2	1			2.3	0.2
	1996/1997	19				7	12			4.6	0.1
White-capped albatross	2004/2005	169	89	29	21	9	4		17	1.8	0.1
	2003/2004	145	43	42	24	13	1		22	2.1	0.1
	2002/2003	75	25	18	13	5	8		6	2.3	0.2
	2001/2002	140	54	29	20	14	8		15	2.1	0.1
	2000/2001	191	85	37	26	16	17		10	2.1	0.1
	1999/2000	52	11	10	9	7	12		3	3.0	0.2
	1998/1999	63	14	17	13	7	5		7	2.5	0.2
	1997/1998	7	3	1	3					2.0	0.4
	1996/1997	33			10	4	11		8	4.0	0.2
White-chinned petrel	2004/2005	53	24	18	6	5				1.8	0.1
	2003/2004	43	17	18	5	2			1	1.8	0.1
	2002/2003	140	78	35	14	7	3		3	1.7	0.1
	2001/2002	361	120	104	72	42	14		9	2.2	0.1
	2000/2001	278	38	65	80	50	40		5	3.0	0.1
	1999/2000	34	2	8	9	8	6		1	3.2	0.2
	1998/1999	12	5	3	2		2			2.3	0.4
	1997/1998	7	1	2	2	1	1			2.9	0.5
	1996/1997	19		2	4	8	5			3.8	0.2

TABLE 5. SUMMARY OF THE IDENTIFICATIONS RECORDED BY ON-BOARD OBSERVERS AT SEA WHEN COMPARED WITH AUTOPSY IDENTIFICATION FOR BIRDS KILLED BETWEEN 1 OCTOBER 1997 AND 30 SEPTEMBER 2005.

SPECIES IDENTIFICATION AFTER AUTOPSY	OBSERVERS' ID							TOTAL	
	ID CORRECT	ID WRONG	ID AS CORRECT 'SPP.' GROUP	ID AS SEABIRD LARGE OR ALBATROSS	ID AS PETREL OR PRION UNIDENTIFIED	ID AS SEABIRD, SEABIRD SMALL, OR SEAGULL	ID NOT ON LABEL		SPECIES CODE DID NOT EXIST
Antarctic prion	1				1				2
Antipodean (wandering) albatross		37	(37)				4		41
Black petrel	7	1				1			9
Black-backed gull						1			1
Black-bellied storm petrel					1				1
Blackbird					1				1
Black-browed albatross	1	9	(6)	2			2	2	16
Black-browed albatross spp.	1								1
Broad-billed prion								1	1
Buller's albatross	132	15	(2)	5			16	8	176
Buller's shearwater					2				2
Campbell albatross	25	18	(13)	1			5		49
Cape pigeon spp.		1	(1)						1
Chatham albatross	8	2					1		11
Common diving petrel	2	2			1		2	1	8
Fairy prion					5		1		6
Flesh-footed shearwater	35				1				36
Fluttering shearwater					1				1
Gibson's (wandering) albatross	1	27	(27)				2		30
Goldfinch							1		1
Grey petrel	274	2		1	119	40	29	2	467
Grey-backed storm petrel	1				1				2
Grey-faced petrel	1	14		3	11				29
Light-mantled sooty albatross	1						1	1	3
Mottled petrel					1				1
Northern giant petrel	3	8	(8)				1		12
Northern royal albatross		2	(2)						2
Pacific albatross		4	(4)						4
Pied shag								1	1
Salvin's albatross	179	40		9			3	3	234
Short-tailed shearwater					11		22		33
Snares cape pigeon		1	(1)						1
Sooty shearwater	562	12		2	21	29	30	36	692
Southern cape pigeon	2	24	(22)		1				27
Southern giant petrel	4	2	(2)						6
Southern royal albatross	11	3					1		15
Welcome swallow							1		1
Western weka								1	1
Westland petrel	1	3					1		5
White-capped albatross	535	170	(112)	107			28	3	843
White-chinned petrel	569	30			309	5	14	1	928
White-faced storm petrel		2							2
White-headed petrel		1			2				3
TOTAL	2356	430	(237)	130	489	76	165	60	3706

4. Conclusions

- A small number of vessels in each fishery have consistently caught the majority (>80%) of birds returned to the autopsy programme. Of the observed vessels, 50-60% consistently returned no birds.
- Birds returned from the six most commonly caught taxa over the past 8 years have greatly reduced body condition (fat scores) compared with those returned in 1996/97. The data for each taxa in recent years have shown that the birds had, on average, little or no fat.
- The role of offal, discards and bait should be regarded as a principal factor in the incidental capture of seabirds in both trawl and the longline fisheries.
- Changes in the contribution of individual fisheries to the total number of birds killed and returned over the 9-year recording period might not reflect the real contribution of each fishery to overall seabird incidental catch. Observer coverage differed between the fisheries and the analyses of returned birds do not take account of fishing effort. In addition, the numbers returned for autopsy represent only the most conservative estimate for the actual numbers of birds caught, as not all birds killed were retrieved and returned to the autopsy programme.

5. Acknowledgements

The New Zealand Government's fisheries observers provide dedicated work in often trying conditions to record on-the-spot data and in retaining the birds provided for autopsy. We acknowledge their role in providing the primary material upon which this report is based. Tranz Rail Limited provided an efficient frozen transport and storage location while the Ministry of Defence provided leasehold space for the autopsy laboratory facility. N. Stewart assisted with data recording in the laboratory and later database entry of information. Reg Blezard, Dennis Fairfax and Wendy Norden provided the essential liaison and administrative link with the observers. S. Baird, L. Griggs, B. Sanders and C. Sutton correlated the autopsy database for consistency with the NIWA database compiled from the observers' non-fish bycatch data. This is a client report funded from the Conservation Services Programme (Investigation no. CSP 1NV2004/02).

6. References

- Bartle, J.A. 1968: Observations on the breeding habits of Pycroft's petrel. *Notornis* 15: 70-99.
- Bartle, J.A. 2000: Autopsy report for seabirds killed and returned from New Zealand fisheries 1 October 1996 to 31 December 1997. *Conservation Advisory Science Notes* 293. Department of Conservation, Wellington. 43 p.
- Croxall, J.P.; Gales, R. 1998: An assessment of the conservation status of albatrosses. Pp. 46-65 in Robertson, G.; Gales, R. (Eds): Albatross biology and conservation. Surrey Beatty & Sons, Chipping Norton, Australia.
- Fraser, M.J. 2005: Characteristics of white-chinned petrels *Procellaria aequinoctialis* Linnaeus in New Zealand waters. Unpublished MSc Thesis, Massey University, Palmerston North.
- Nunn, G.B.; Cooper, J.; Jouventin, P.; Robertson, C.J.R.; Robertson, G.G. 1996: Evolutionary relationships among extant albatrosses (Procellariiformes: Diomedidae) established from complete cytochrome-b gene sequences. *The Auk* 113(4): 784-801.
- Robertson, C.J.R.; Bell, E.; Scofield, P. 2004: Autopsy report for seabirds killed and returned from New Zealand fisheries, 1 October 2001 to 30 September 2002: birds returned by Ministry of Fisheries observers to the Department of Conservation. *DOC Science Internal Series* 155. Department of Conservation, Wellington. 49 p. Data supplement www.csl.org.nz/dsis/155sup.vdf
- Robertson, C.J.R.; Nunn, G.B. 1998: Towards a new taxonomy for albatrosses. Pp. 13-19 in Robertson, G.; Gales, R. (Eds): Albatross biology and conservation. Surrey Beatty & Sons, Chipping Norton, Australia.

Appendix 1

RAW DATA FOR AUTOPSIED SEABIRDS FOR
2002/03, 2003/04, 2004/05 FISHING YEARS

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mmyy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033377	Joint venture tuna longliner	1761	3	37	19/04/2003	SW of Puysegur Point	Southern royal albatross	<i>Diomedea epomophora</i>	Adult breeder	Female	1	1 nematode cyst, fish bones, fish eyeballs, 2 otoliths.	3 pebbles, 1 white plastic, salp test, small fish bones, small squid eyeball.	Partly bare brood patch.
033187	Squid trawler	1736	8	5	26/01/2003	SW of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	1	2 whole squid, 1 squid head and tentacles, 1 fish tail and guts of fish, 1 discard fish.	Empty.	Downy brood patch.
033214	Squid trawler	1753	29	2	24/03/2003	N of Auckland Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	4	< 120 krill, 1 fish of tail, 1 rattail, 1 lanternfish.	Proventricular oil, lanternfish, otoliths, with downy pins.	Partly bare brood patch with downy pins.
033253	Squid trawler	1737	59	1	18/02/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	1 arrow squid.	Squid beak, squid eyeball.	Pinning short downy brood patch.
033163	Squid trawler	1738	35	1	9/02/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	2	1 arrow squid (100 g), 1 lanternfish well digested, 1 orange roughly.	Squid beaks.	Downy pins on brood patch.
033199	Squid trawler	1754	101	2	17/04/2003	Off The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	1 arrow squid (85 mm).	Squid beak.	Mainly pinning downy brood patch.
033213	Squid trawler	1737	54	4	16/02/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	2	1 arrow squid (90 mm).	Squid beaks, 1 plastic.	Bare brood patch, few pins on centre line.
033234	Squid trawler	1737	54	7	16/02/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Sub-adult	Female	1	1 arrow squid head (offal).	Squid beaks, 1 plastic.	Partly bare brood patch with downy pins.
033032	Trawler	1719	4	17	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	1 baitfish/offal.	Squid beak, lanternfish otolith, 20 plastic.	Downy brood patch.
022908	Domestic bottom longliner	1708	137	2	15/11/2002	E of Bounty Island	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	1 digested fish bait.	Squid beak fragments.	Matted downy brood patch.
033473	Pelagic tuna longliner	1770	5	43	26/04/2003	175 km off Cape Turnagain	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	4	1 fish bait.	1 lanternfish otolith, arrow squid beaks, 1 wood.	Downy brood patch.
033094	Domestic bottom longliner	1727	156	1	10/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	1 fish bait.	Squid beak fragments, squid eyeballs.	Downy brood patch. Strong body moult.
033138	Domestic bottom longliner	1727	165	1	13/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	1 fish bait.	Squid beak fragments, worms, otoliths.	Pinned downy brood patch.
033142	Domestic bottom longliner	1727	166	3	13/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	1 fish bait.	Squid beak fragments, squid eyeballs.	Downy centre line on brood patch, rest pinning.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033121	Domestic bottom longliner	1727	177	3	15/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	1 fish bait.	Squid beak fragments, small otoliths.	Downy centre line on brood patch, pinning downy—rest.
033436	Pelagic tuna longliner	1791	1	1	27/06/2003	NE of Poor Knights Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Female	3	1 fish bait.	Squid beak fragments.	Downy brood patch.
033429	Domestic bottom longliner	1800	60	3	6/08/2003	NW of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	U	1 fish bait.	Squid beaks, otoliths.	Pinning brood patch. Some body moult.
022868	Domestic bottom longliner	1709	28	1	15/10/2002	S of Solander Island	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	1 fish bait.	Fish skin, squid beaks.	Downy brood patch.
033378	Joint venture tuna longliner	1761	3	31	19/04/2003	SW of Puysegur Point	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	1 fish bait.	Squid beak fragments.	Downy brood patch. Trace of body moult.
033440	Pelagic tuna longliner	1770	5	48	26/04/2003	90 km off Cape Turnagain	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Female	3	1 fish bait.	Small fish bones, squid beak fragments, 1 green plastic string.	Bare brood patch with downy centre stripe.
033103	Domestic bottom longliner	1727	65	1	18/01/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	1 fish bait.	Squid beak fragments.	Bare brood patch with trace of pinning.
033101	Domestic bottom longliner	1727	108	1	19/01/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	1 fish bait.	Squid beak fragments, salp tests.	Bare brood patch with some pinning.
033104	Domestic bottom longliner	1727	177	7	15/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	1 fish bait.	Squid beak fragments.	Downy, mainly pinning brood patch.
033116	Domestic bottom longliner	1727	181	4	16/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	3	1 fish bait.	Squid beak fragments, squid eyeballs, otoliths.	Pins, short downy brood patch.
033126	Domestic bottom longliner	1727	181	9	16/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	1 fish bait.	Squid beak fragments.	Pinning downy brood patch.
033056	Domestic bottom longliner	1717	9	2	12/11/2002	Chatham Rise W of Chatham Island	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Male	5	1 fish bait.	Empty.	Mainly bare brood patch with trace of pinning.
033380	Joint venture tuna longliner	1762	2	21	18/04/2003	SW of Puysegur Point	Southern royal albatross	<i>Diomedea epomophora</i>	Adult breeder	Female	1	1 fish bait.	1 plastic, 2 quartz pebbles, squid beak fragments, fish bones, fish eyeball.	Bare brood patch.
033139	Domestic bottom longliner	1727	165	6	13/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Male	1	1 fish bait.	Squid beak fragments, small otoliths, fish vertebrae.	Downy brood patch. Strong body moult.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033455	Pelagic tuna longliner	1790	34	598	29/07/2003	N of Raoul I	White-headed petrel	<i>Pterodroma lessoni</i>	Sub-adult	Male	1	1 fish bait.	Squid beak fragments, squid eyeballs.	Downy brood patch.
033090	Domestic bottom longliner	1727	161	3	12/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	1 fish bait—bottom of stomach, fish offal—top.	Squid beak fragments, worms, fish skin, 2 small otoliths.	Mainly downy brood patch, brood pinning.
033446	Domestic bottom longliner	1800	60	4	6/08/2003	W of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	3	1 fish bait bones.	Squid beak fragments, fish bones.	Downy brood patch.
033146	Domestic bottom longliner	1727	166	2	13/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	1 fish bait remains.	Squid beak fragments, worms.	Pinning downy brood patch.
033099	Domestic bottom longliner	1727	156	2	10/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Male	1	1 fish bait remains.	Squid beak fragments, worms, squid eyeballs.	Downy brood patch.
022896	Domestic bottom longliner	1708	98	4	5/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	1 fish bait, 1 small piece offal.	Squid beak, 1 quartz rock.	Matted downy brood patch, becoming bare.
022911	Domestic bottom longliner	1708	136	1	14/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	4	1 fish bait, 2 nematode cysts.	Squid beak fragments, few worms, fish bone, proventricular oil.	Partly bare, downy centre line brood patch.
033095	Domestic bottom longliner	1727	178	2	15/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	1 fish bait, proventricular oil.	Squid beak fragments, worms, otoliths.	Downy brood patch.
033153	Domestic bottom longliner	1727	195	2	21/02/2003	N of Pukaki Rise	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Female	1	1 fish bait, proventricular oil.	Squid beak fragments, squid eyeballs.	Downy brood patch.
033150	Domestic bottom longliner	1727	186	2	17/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	1 fish bait, proventricular oil.	Squid beak fragments, large and small otoliths.	Pinned downy brood patch.
033409	Domestic bottom longliner	1787	92	1	21/07/2003	Campbell Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Male	2	1 fish bait, proventricular oil.	Worms, squid beak fragments, fish bones, otoliths.	Downy pinning on brood patch.
033127	Domestic bottom longliner	1727	181	7	16/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Male	1	1 fish bait, proventricular oil.	Squid beak fragments, fish bone, otoliths.	Downy centre line. Rest pinning downy in brood patch. Strong body moult.
033156	Domestic bottom longliner	1727	194	3	21/02/2003	N of Pukaki Rise	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	1 fish bait, Proventricular oil.	Squid beak fragments.	Pinned downy brood patch. Very strong body moult.
033191	Squid trawler	1744	15	3	15/02/2003	E of Stewart I	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	2	1 fish head and fat offal.	Proventricular oil.	Downy brood patch with some pinning.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033220	Squid trawler	1759	51	11	9/04/2003	N of Auckland Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	2	1 fish offal.	Fish bone and eyeballs, 2 plastic.	Downy brood patch.
033227	Squid trawler	1754	29	1	17/03/2003	W of Auckland Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	1 fish offal.	Squid beak.	Downy brood patch.
033200	Domestic bottom longliner	1748	20	1	23/03/2003	N Mernoo Bank	Sooty shearwater	<i>Puffinus griseus</i>	Sub-adult	Male	1	1 fish offal.	Squid beaks, lanternfish otoliths, 1 plastic.	Underdown dry. Downy brood patch.
033231	Squid trawler	1759	35	7	7/04/2003	N of Auckland Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	1 fish offal (well digested).	Squid beak, fish skin, worms.	Pinning downy brood patch.
033250	Squid trawler	1765	41	1	18/04/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	1 fish offal (well digested), 2 arrow squid heads (offal), 6 small arrow squid (25 mm whole).	Fish bones and eyeballs.	Mainly bare brood patch with some downy pins.
033154	Domestic bottom longliner	1727	194	2	21/02/2003	N of Pukaki Rise	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Male	1	1 fish vertebra—large (offal?).	Squid beak fragments, worms, large fish vertebrae.	Downy brood patch. Very strong body moult.
033266	Squid trawler	1737	75	1	24/02/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	1 head minus tentacles, squid offal.	Empty.	Mainly bare with some pinning on brood patch.
022859	Trawler	1698	51	2	1/10/2002	SW of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	2	1 hoki offal.	Squid beaks, fish bones, rattail otoliths, 1 wood, 16 plastic.	Downy brood patch.
033475	Trawler	1802	52	1	28/08/2003	Off Cape Foulwind	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	3	1 hoki tail (fish offal), 2 nematode cysts.	Fish bones, fish eyeballs.	Downy brood patch. Heavy body moult.
033168	Domestic bottom longliner	1727	89	1	24/01/2003	E side of Bounty Platform	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Female	1	1 large piece fish offal.	Worms, small fish bones, small otoliths.	Downy brood patch.
033046	Domestic bottom longliner	1717	13	1	13/11/2002	Off Pitt I, Chatham Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	5	1 large piece fish offal.	Squid beak fragments, squid eyeballs, worms.	Matted downy brood patch.
033106	Domestic bottom longliner	1727	177	8	15/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	1 nematode cyst, empty.	Squid beak fragments, worms, 1 orange-coloured seed.	Downy brood patch.
033152	Domestic bottom longliner	1727	186	3	17/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Male	1	1 nematode cyst, empty.	Squid beak fragments, worms, small otoliths, fish vertebrae.	Downy brood patch.
033060	Trawler	1719	53	1	29/11/2002	Off Banks Peninsula	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Male	5	1 nematode cyst, fish offal.	Seaweed, squid beaks, fish bones.	Mainly bare brood patch with some pins.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033189	Squid trawler	1754	13	1	11/03/2003	SW of Puysegur Point	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	3	1 nematode cyst, squid mantle, 1 small fish offal.	Squid beaks, squid eyeballs, small fish bones.	Pinning downy brood patch.
033297	Pelagic tuna longliner	1770	16	84	8/05/2003	150 km NE of East Cape	Grey-faced petrel	<i>Pterodroma macroptera</i>	Adult	Female	1	1 piece fish bait.	Squid beak fragments, bile.	Downy brood patch.
033175	Squid trawler	1736	8	3	26/01/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	5	1 piece fish offal at bottom of stomach, 1 arrow squid, top of stomach.	Empty.	Mainly bare brood patch, pinning. Trace of body moult.
033289	Pelagic tuna longliner	1770	12	76	4/05/2003	NE of East Cape	Campbell albatross	<i>Thalassarche impavida</i>	Juvenile	Female	3	1 piece seaweed, 3 nematode cysts.	Empty, bile.	Downy brood patch. Trace of body moult.
033169	Domestic bottom longliner	1727	119	1	2/02/2003	N of Bounty Platform	Salvin's albatross	<i>Thalassarche salwini</i>	Adult	Female	1	1 piece squid offal.	1 small barnacle shell.	Mainly downy brood patch, some pinning. Slight body moult.
033047	Domestic bottom longliner	1717	9	2	12/11/2002	Off Pitt I, Chatham Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	3	1 piece squid offal.	Squid beak fragments, squid eyeballs, small white plastic, small green plastic, large otolith, few worms.	Part bare brood patch.
033042	Trawler	1716	12	1	25/11/2002	W of Solander Is	Southern cape pigeon	<i>Daption capense</i>	Adult breeder	Male	4	1 piece squid offal.	Small yellow plastic, few fish bones.	Bare brood patch.
033193	Squid trawler	1744	15	2	17/02/2003	E of Stewart Is	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	3	1 small hoki discard, 1 hoki tail, fish guts offal.	Fish scales and bones.	Bare brood patch with trace of pinning.
033276	Joint venture tuna longliner	1761	41	596	29/05/2003	70 km off Milford Sound	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Female	1	1 squid bait.	Squid beak fragments, small squid eyeballs.	Downy brood patch.
033379	Domestic tuna longliner	1757	12	193	13/04/2003	200 km W of Puysegur Point	Southern royal albatross	<i>Diomedea epomophora</i>	Adult	Male	1	1 squid bait, 2 nematode cysts, small piece fish offal.	Salp tests, squid eyeballs.	Pinning, downy brood patch.
033249	Squid trawler	1765	41	3	18/04/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	1 squid beak (Gonatus).	Squid beaks.	Downy brood patch.
033222	Squid trawler	1754	101	1	17/04/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	1 squid beak (Gonatus), 3 fish offal, 6 lanternfish.	Squid beak, lanternfish otoliths.	Partly bare, pinning downy on brood patch.
033277	Squid trawler	1765	39	1	18/04/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	1 squid head and guts offal.	Krill.	Downy brood patch.
033164	Squid trawler	1736	41	1	9/02/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	1 squid offal.	Squid beaks, 2 plastic, 1 string.	Downy pins on brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033201	Squid trawler	1737	54	3	16/02/2003	Off The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Female	1	1 squid offal.	Squid beaks.	Some downy pins on brood patch.
033324	Squid trawler	1775	62	1	23/05/2003	N of Auckland Is	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	4	1 tail end fish—offal, 3 fish discards.	Fish eyeball, bile.	Downy brood patch. Strong body moult.
033041	Trawler	1719	3	1	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	1 whole arrow squid (100 g), 11 lanternfish otoliths, well digested, 1 orange roughly.	Rattail and lanternfish otoliths, barnacle shell.	Downy brood patch.
033167	Domestic bottom longliner	1727	177	9	15/02/2003	N of Bounty Platform	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Male	1	1 whole arrow squid (65 mm).	Empty.	Downy brood patch.
033045	Domestic bottom longliner	1721	103	1	16/12/2002	N Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	4	1 whole arrow squid (65 mm).	Squid beak fragments, few worms, small green plastic.	Bare brood patch with downy central stripe.
033310	Pelagic tuna longliner	1770	32	139	24/05/2003	175 km NE of East Cape	Gibson's (wandering) albatross	<i>Diomedea gibsoni</i>	Adult breeder	Female	2	1 whole bait (fish)—219 mm, saury with hook hole, 2 nematode cysts. Piece clear plastic.	Fish eyeballs.	Mainly bare pinnning brood patch, some downy.
033312	Pelagic tuna longliner	1770	6	54	27/04/2003	SE of Cape Kidnappers	Antipodean (wandering) albatross	<i>Diomedea antipodensis</i>	Adult breeder	Male	3	1 whole bait fish (saury) slightly digested 260 mm.	Squid beak fragments, squid eyeballs, bile.	Bare brood with few downy pins. Outer primaries R wing gone.
033294	Pelagic tuna longliner	1770	36	164	28/05/2003	180 km E of Tolaga Bay	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Female	1	1 whole fish—bait (395 mm). Hook holes visible in sides of fish.	Squid beak fragments.	Mostly bare.
033240	Squid trawler	1752	53	6	25/03/2003	N of Auckland Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	1 whole fish, 1 fish head offal/discard.	Squid beak fragments.	Downy brood patch. Strong body moult.
033273	Squid trawler	1736	8	2	26/01/2003	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	1 whole red bait—discard? 1 piece squid mantle offal.	Empty.	Bare brood patch.
033313	Trawler	1776	13	1	11/05/2003	Mid Chatham Rise	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	4	1 whole rough skinned dogfish (130 mm), fish offal.	Fish bones.	Downy brood patch.
033303	Pelagic tuna longliner	1770	6	42	27/04/2003	100 km off Cape Turnagain	Buller's albatross	<i>Thalassarche bulleri</i>	Sub-adult	Female	1	1 whole rough skinned dogfish (130 mm), fish offal (10 g).	Fish flesh (bait?).	Centre area of brood patch pinnning downy.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033197	Squid trawler	1754	112	1	21/04/2003	SW of Puysegur Point	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	4	1 whole squid—discard?	Empty.	Bare brood patch.
033181	Squid trawler	1736	96	1	28/02/2003	SW of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	1 whole squid, 2 head offal, 1 head and tentacles offal.	Squid beak, squid eyeballs.	Brood bare pinning.
033206	Squid trawler	1744	17	4	18/02/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	5	14 fresh lanternfish (25–35 mm).	Fish bones and eyeballs, 12 plastic.	Mainly downy brood patch. Slight body moult.
033255	Squid trawler	1759	65	12	13/04/2003	NW of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	4	14 small arrow squid (c. 25 mm whole), 5 salp tests.	Squid beaks.	Downy pins on brood patch.
033023	Trawler	1719	4	12	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	15 lanternfish (60 mm+).	Squid beak, lanternfish and rattail otoliths, 5 plastic.	Downy brood patch.
033229	Squid trawler	1737	54	6	16/02/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	2 arrow squid heads (offal).	2 plastic.	Downy brood patch.
022882	Domestic bottom longliner	1709	32	1	11/10/2002	S of Solander Island	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	2	2 baitfish/offal.	Squid beaks, 30 plastic.	Downy brood patch.
022880	Domestic bottom longliner	1709	103	1	4/11/2002	S of Solander Island	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	2 baitfish/offal.	Squid beaks, 5 plastic.	Downy brood patch.
033079	Trawler	1714	69	18	20/11/2002	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Male	1	2 discard whole fish, rattails.	Fish bones, otoliths.	Partly bare, pinning downy brood patch.
033111	Domestic bottom longliner	1727	172	1	14/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	2 fish bait.	Squid beak fragments, small otoliths, worms, 1 very small pebble.	Pinning, short downy brood patch. Strong body moult.
033155	Domestic bottom longliner	1727	195	1	21/02/2003	N of Pukaki Rise	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	2 fish bait.	Squid beak fragments.	Downy brood patch. Strong body moult.
033442	Domestic bottom longliner	1800	64	1	28/08/2003	W of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	2	2 fish bait.	Squid beak fragments, worms, barnacle shell, otoliths.	Downy brood patch.
033129	Domestic bottom longliner	1727	133	1	5/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	1	2 fish bait.	Squid beak fragments.	Pinning downy brood patch.
033097	Domestic bottom longliner	1727	177	5	15/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	2 fish bait.	Seaweed, squid beak fragments, 1 white plastic, fish bones, otoliths.	Mainly bare pinning brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033089	Domestic bottom longliner	1727	178	1	15/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	2 fish bait.	Squid beak fragments, worms.	Mostly pinning downy brood patch.
033054	Domestic bottom longliner	1717	9	3	12/11/2002	Chatham Rise W of Chatham Island	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Female	1	2 fish bait.	Salp tests.	Bare brood patch.
033401	Domestic bottom longliner	1787	49	5	4/07/2003	N of Pukaki Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Male	1	2 fish bait.	Plastic, squid beak fragments, otoliths, fish bones, fish skin, fish eyeballs.	Downy pins on brood patch.
033404	Domestic bottom longliner	1787	49	2	4/07/2003	Pukaki Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Male	2	2 fish bait.	Otoliths, squid beak fragments, 1 seed.	Downy, some pinning on brood patch.
022921	Domestic bottom longliner	1708	137	1	15/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	1	2 fish bait.	Squid beak fragments, 2 large flat worms.	U-holed.
033147	Domestic bottom longliner	1727	166	1	13/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Male	1	2 fish bait.	Squid beak fragments, worms.	Downy brood patch. Very strong body moult.
033144	Domestic bottom longliner	1727	186	4	17/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Male	1	2 fish bait.	Squid beak fragments, worms.	Downy brood patch.
033134	Domestic bottom longliner	1727	184	1	17/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	2 fish bait—bottom of stomach. Fish gut offal—top.	Squid beak fragments, worms, 10 polyprop sacking fibre.	Downy brood patch.
033248	Domestic bottom longliner	1727	197	2	22/02/2003	SW of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	2 fish bait, proventricular oil.	Squid beak fragments, otoliths, worms.	Downy pins on brood patch. Strong body moult.
033393	Joint venture tuna longliner	1762	55	470	12/06/2003	WNW of Jackson Bay	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	1	2 fish baits.	Few fish bones.	Bare brood patch with a few pins.
033325	Squid trawler	1775	17	3	3/05/2003	E of Chaslands Mistake	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	2 fish heads, fins, guts—offal.	Proventricular oil, bile.	Mainly downy brood patch. Strong body moult.
022873	Domestic bottom longliner	1709	48	1	20/10/2002	S of Solander Island	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	2 fish offal.	Squid beaks, 1 plastic.	Downy brood patch.
033226	Squid trawler	1759	68	14	14/04/2003	SW of Stewart Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	2	2 fish offal (well digested).	Squid beaks, bile.	Downy pinning on brood patch.
033177	Squid trawler	1753	23	1	22/03/2003	N of Auckland Is	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	2	2 head and guts squid offal.	1 large fish vertebrae, squid beak, squid eyeballs.	Downy brood patch. Strong body moult. Undertail covert moult.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033265	Squid trawler	1737	77	1	25/02/2003	SW of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	2	2 heads and guts, no tentacles, 2 mantles—squid offal.	Squid beaks and eyeballs.	Partly bare brood patch.
022898	Domestic bottom longliner	1708	98	3	5/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	1	2 large fish bones, offal.	Squid beak fragments, 4 otoliths.	Matted downy brood patch.
033281	Squid trawler	1751	23	1	12/03/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	3	2 large nematode cysts, 2 squid head offal, 1 large piece fish offal.	Squid beaks, squid eyeballs.	Downy brood patch.
033279	Squid trawler	1751	22	2	12/03/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	2 large squid head cartilage offal.	Bile, otherwise Empty.	Bare brood patch.
033057	Scampi trawler	1722	51	1	30/12/2002	N of Auckland Is	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	2 nematode cysts, 1 otolith.	Fish eyeballs, otoliths.	Bare centre on brood patch.
033180	Squid trawler	1737	65	1	20/02/2003	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	2 nematode cysts, 2 squid head and tentacles, 2 head and guts offal.	Squid guts.	Bare brood patch.
033184	Squid trawler	1736	8	1	26/01/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	2 nematode cysts, 6 squid head offal, 1 small fish discard, large quantity of sea lion (?) hair.	Hair.	Partly downy brood patch.
033263	Squid trawler	1737	72	1	23/02/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	2 nematode cysts, 7 squid head and tentacles, squid eyeballs and beaks.	Large squid beaks, worms.	Bare brood patch.
022903	Domestic bottom longliner	1708	126	1	12/11/2002	W Bounty Platform	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Female	3	2 nematode cysts, Empty.	Goose barnacle shell.	Mainly bare brood patch.
033478	Trawler	1780	56	1	10/06/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	?Male	2	2 nematode cysts, fish skin offal in throat.	Amphipod.	Downy brood patch, Strong body moult.
033259	Squid trawler	1755	43	1	31/03/2003	SW of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	2 nematode cysts, multiple pieces of fish offal.	Empty.	Downy brood patch, Trace of body moult.
033208	Squid trawler	1737	54	5	16/02/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	1	2 <i>nototodarus</i> squid, well digested offal.	Squid beaks.	Mainly bare brood patch with some downy pinning.
033044	Domestic bottom longliner	1721	10	1	24/11/2002	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	2 pieces will digested fish offal, 35 krill.	Squid beak fragments, squid eyeballs, small otoliths, worms.	Part bare brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033316	Pelagic tuna longliner	1770	35	159	27/05/2003	180 km E of East Cape	Cambell albatross	<i>Thalassarche impavida</i>	Immature	Female	3	2 squid beak and rays, 4 nematode cysts.	Empty.	Downy brood patch.
033295	Pelagic tuna longliner	1770	8	61	29/04/2003	150 km off Mania Peninsula	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Female	1	2 squid beaks	Squid beak fragments, saip tests.	Downy brood patch. Heavy body moult. Some tail moult.
033319	Pelagic tuna longliner	1770	3	31	24/04/2003	E of Cape Turnagain	Gibson's (wandering) albatross	<i>Diomedea gibsoni</i>	Adult breeder	Male	1	2 squid beaks, fish bones (bait), fish otoliths, nematodes.	Squid beaks, squid eyeballs, fish vertebrae.	Bare brood patch.
033275	Squid trawler	1737	60	1	18/02/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Female	2	2 squid head and guts of offal, 1 nematode cyst.	Squid beaks, squid flesh, squid eyeballs.	Downy brood patch.
033174	Squid trawler	1736	51	1	12/02/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	2 squid head of offal.	Squid beaks, squid eyeballs.	Mainly bare brood patch, some pinning.
033280	Squid trawler	1737	36	1	9/02/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	4	2 squid heads, no tentacles, of offal.	Small squid flesh.	Mainly bare brood patch, some pinning.
033405	Domestic bottom longliner	1787	79	1	16/07/2003	Campbell Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	2	2 squid pieces, 1 fish of offal—bottom of stomach, 4 fish bait—top of stomach.	Squid beak fragments, fish bone, otoliths.	Downy, some pinning on brood patch. Heavy body moult.
033166	Squid trawler	1736	62	1	17/02/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	2 well digested fish of offal, 35 krill.	Squid beaks, 1 plastic.	Downy pins on brood patch.
033034	Trawler	1719	4	18	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	1	2 well digested lanternfish.	Squid beaks, lanternfish otoliths, 4 plastic.	Bare brood patch with downy central stripe.
033267	Squid trawler	1737	85	1	28/02/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	4	2 whole squid, 4 squid heads and guts of offal.	Squid beaks and squid eyeballs.	Mainly bare with some pinning on brood patch.
033178	Squid trawler	1737	62	1	19/02/2003	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	2	2 whole squid, 2 squid head of offal.	Empty.	Bare brood patch.
033223	Squid trawler	1759	35	4	7/04/2003	N of Auckland Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	20 krill, oily fish paste, 5 fish of offal (well digested), 2 lanternfish.	Fish paste.	Downy pins on brood patch.
022920	Domestic bottom longliner	1708	136	1	14/11/2002	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	5	20cm fish without head—fish bait discard, 1 piece fish of offal, proventricular oil.	Squid beak fragments, 2 small otoliths, fish bone.	Mainly bare brood patch with downy centre stripe.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (d/m/m/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033219	Squid trawler	1759	68	13	14/04/2003	N of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Sub-adult	Male	3	24 pelagic amphipods, 2 arrow squid (well digested), 1 fish offal (genfish).	Fish bones and eyeballs, 1 plastic.	Downy brood patch.
033217	Squid trawler	1752	108	8	13/04/2003	SE of Stewart Is	Sooty shearwater	<i>Puffinus griseus</i>	Sub-adult	Male	1	3 arrow squid (c. 110 mm), 9 fish offal, 14 lanternfish (c. 45 mm).	Soil.	Mainly downy brood patch.
033207	Squid trawler	1737	77	2	25/02/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	3 arrow squid tentacles.	Squid beaks, 1 plastic.	Downy brood patch.
033165	Squid trawler	1738	85	1	27/02/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	3 arrow squid, 1 rattail, 1 Bolton's rattail.	Squid beak, lanternfish and rattail otoliths.	Mainly bare brood patch with some pinning downy.
033441	Domestic bottom longliner	1800	67	2	9/08/2003	NW of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	1	3 fish bait.	Squid beak fragments, worms.	Matted downy brood patch.
033096	Domestic bottom longliner	1727	147	1	8/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	3 fish bait.	Squid beak fragments, proventricular oil, black plastic thread.	Mainly bare brood patch with downy centre pinning.
033137	Domestic bottom longliner	1727	165	8	13/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	3 fish bait.	Squid beak fragments, worms.	Pinning downy brood patch.
033052	Domestic bottom longliner	1717	2	3	9/11/2002	Chatham Rise W of Chatham Island	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Male	1	3 fish bait.	Empty.	Mainly bare brood patch.
033410	Domestic bottom longliner	1787	50	4	5/07/2003	N Campbell Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Unknown	Unknown	3 fish bait.	Gone.	Downy pinning on brood patch.
033402	Domestic bottom longliner	1787	49	4	4/07/2003	N of Pukaki Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Male	2	3 fish bait—top of stomach. Offal—bottom of stomach.	Squid beak fragments, fish bones, otoliths.	Downy pins on brood patch.
033245	Domestic bottom longliner	1727	197	1	22/02/2003	SW of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Male	1	3 fish bait well digested.	Squid beak fragments, worms.	Downy brood patch. Strong body moult.
033511	Domestic bottom longliner	1808	69	3	24/08/2003	W of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	2	3 fish bait, proventricular oil, fish bones/sludge offal.	Squid beak fragments, fish bones.	Downy pinning brood patch.
033022	Trawler	1719	4	14	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	3 fish offal.	Squid beaks, 3 plastic.	Downy brood patch.
022876	Domestic bottom longliner	1709	48	3	20/10/2002	S of Solander Island	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	3 fish offal.	22 lantern fish, 1 plastic.	Downy brood patch.
022881	Domestic bottom longliner	1709	107	1	5/11/2002	S of Solander Island	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	3 fish offal.	Squid beaks, 5 plastic.	Downy brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
022857	Scampi trawler	1704	36	1	21/10/2002	E side of Chatham Rise	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	4	3 fish offal.	Squid beaks, rattail and lanternfish otoliths, 9 plastic.	Downy brood patch.
033027	Trawler	1719	4	3	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	2	3 fish offal, 1 arrow squid.	Squid beaks and lanternfish otoliths, 2 rocks.	Part bare brood patch.
033282	Squid trawler	1765	5	1	8/04/2003	N of Auckland Is	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	3 large nematode cysts, 3 squid head guts and offal. No tentacles.	Squid eyeballs.	Pinned downy brood patch.
033188	Squid trawler	1754	15	1	12/03/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	1	3 large nematode cysts, 1 fish fin, 1 squid head offal, 1 fish body minus head, 450 mm, offal.	Squid beaks, squid eyeballs, worms.	Downy brood patch.
022893	Domestic bottom longliner	1708	140	1	15/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	3 nematode cysts, 1 fish bait.	1 white plastic, worms, squid beak.	Matted downy brood patch.
033268	Squid trawler	1737	54	1	16/02/2003	SW of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	5	3 small nematode cysts, squid beaks, flesh and offal.	Squid beaks, flesh and offal.	Bare brood patch.
022861	Trawler	1698	51	5	1/10/2002	SW of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	3	3 squid (<i>Nototodarus Mastigoteuthis</i> , <i>Gonatus</i>).	Rattail otoliths, 3 rocks.	Downy brood patch.
033196	Squid trawler	1744	23	5	19/02/2003	W of Stewart Is	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	3 squid head—no tentacles, offal.	Squid beaks, squid eyeballs, fish bones.	Mainly downy brood patch.
033185	Squid trawler	1750	8	1	26/02/2003	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	3 squid head and guts offal.	3 squid beaks.	Bare brood patch with trace of pinning.
033176	Squid trawler	1737	66	1	20/02/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	5	3 squid heads with tentacles and guts.	Couple of worms.	Bare brood patch with trace of pinning.
022870	Domestic bottom longliner	1709	10	1	9/10/2002	S of Solander Island	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	4 baitfish/offal.	Squid beak, 3 plastic, 1 rock, 2 string.	Downy brood patch.
022871	Domestic bottom longliner	1709	86	1	30/10/2002	S of Solander Island	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	4 baitfish/offal.	Fish bones and eyeballs, 2 plastic, 1 rock.	Downy brood patch.
033124	Domestic bottom longliner	1727	133	2	5/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Male	1	4 fish bait.	Squid beak fragments.	Brood patch has downy centre line, rest pinning downy.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (d/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033040	Trawler	1719	4	2	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	4 fish offal 11 lanternfish.	Lanternfish otooliths, 1 plastic.	Matted downy brood patch.
033035	Trawler	1719	4	13	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	4 fish offal 35 lanternfish (30–60 mm).	Lanternfish and rattail otooliths, fish bones, 3 plastic, 1 rock.	Downy brood patch. Strong body moult.
033264	Squid trawler	1759	32	3	7/04/2003	N of Auckland Is	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	3	4 squid head and guts offal, squid eyeballs.	Large squid eyeballs.	Downy brood patch. Strong body moult.
033262	Squid trawler	1737	80	1	26/02/2003	E of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	3	4 squid heads and tentacles, 7 squid head and guts offal.	Squid eyeball.	Pinning on brood patch.
033284	Squid trawler	1738	74	1	23/02/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	2	4 squid heads, 2 with tentacles, offal.	Empty.	Downy brood patch.
033252	Squid trawler	1737	55	1	16/02/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	5 arrow squid heads (offal), 1 gemfish or hoki fin (offal).	Paste.	Downy pins on brood patch.
022872	Domestic bottom longliner	1709	29	1	15/10/2002	S of Solander Island	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	5 baitfish/offal.	Squid beaks, fish bones, 10 plastic.	Downy brood patch.
033439	Domestic bottom longliner	1800	80	1	13/08/2003	NW of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	1	5 fish bait.	Fish bones, squid beak fragments, squid eyeballs.	Downy brood patch.
033063	Domestic bottom longliner	1717	2	1	9/11/2002	S of Chatham Island	Chatham albatross	<i>Thalassarche eremita</i>	Adult	Female	1	5 fish bait.	Squid beak fragments, otooliths, worms, fish bones.	Mainly bare brood patch with pinning. Strong body moult.
022878	Domestic bottom longliner	1709	116	1	7/11/2002	S of Solander Island	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	5 fish offal.	Fish eyeballs, lantern fish otooliths, 1 plastic.	Downy brood patch.
033221	Squid trawler	1752	108	9	13/04/2003	W of Stewart Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	5 fish offal, 2 rattails (large).	Fish bones, skin and eyeballs.	Partly bare downy pins on brood patch.
033075	Trawler	1723	75	1	15/01/2003	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	5 squid head, guts and tentacles, offal.	Squid beaks, squid flesh.	Bare brood patch.
033070	Trawler	1714	69	19	20/11/2002	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Male	1	550 g fish skin, flesh, bones offal.	Fish skin and bones.	Bare brood patch.
033077	Trawler	1723	75	2	15/01/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	6 nematode cysts, empty.	Seaweed, squid eyeballs, squid flesh, offal?	
033173	Squid trawler	1736	8	6	26/01/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	5	6 squid buccal, 4 arrow squid mantles, 1 fish fin offal, 1 whole red bait 250 mm.	1 squid buccal mass.	Bare brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033039	Trawler	1719	4	16	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	65 lanternfish well digested.	72 lanternfish otoliths, fish bones.	Downy brood patch.
033192	Squid trawler	1744	11	1	15/02/2003	Off Puysegur Point	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	7 head and tentacles, squid 3 pieces fish discard, 8 pieces squid mantle offal. All partially digested.	Salp tests, squid eyeballs.	Centrally bare, few downy pins on brood patch.
033274	Squid trawler	1738	6	1	30/01/2003	SW of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	7 squid mantles small—bottom or stomach, fish head and offal—top of stomach.	Squid beaks, squid flesh, squid eyeballs.	Bare brood patch.
033251	Squid trawler	1765	41	2	18/04/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	8 arrow squid heads (offal).	30 very small squid beaks.	Downy pins on brood patch.
033232	Squid trawler	1759	35	5	7/04/2003	N of Auckland Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	8 arrow squid offal (well digested).	Squid beak.	Downy brood patch.
033258	Squid trawler	1737	106	1	8/03/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	8 squid head and guts offal.	Few small fish bones.	Downy pins on brood patch.
033059	Domestic bottom longliner	1717	2	2	9/11/2002	S of Chatham Island	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Male	1	9 fish bait.	2 squid beaks, barnacle, seaweed.	Bare brood patch.
033122	Domestic bottom longliner	1727	111	2	30/01/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	3	Amphipods—bottom of stomach.	Squid beak fragments, 1 orange seed.	Mainly pinning downy brood patch.
033055	Domestic bottom longliner	1717	2	1	9/11/2002	Chatham Rise W of Chatham Island	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Male	1	Barnacle shell, 2 fish balls, seaweed, 1 otolith.	Otolith, 2 fish eyeballs, barnacle shell.	Bare brood patch.
033216	Squid trawler	1759	49	9	9/04/2003	N Auckland Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Crab feet.	Paste (crab?).	Partly bare brood patch with downy centre line.
022874	Domestic bottom longliner	1709	28	2	15/10/2002	S of Solander Island	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Digested fish offal.	Squid beaks, 6 plastic.	Downy brood patch.
022869	Domestic bottom longliner	1709	119	1	8/11/2002	S of Solander Island	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Digested fish offal.	Squid beaks.	Downy brood patch.
033285	Pelagic tuna longliner	1770	28	128	20/05/2003	100 km E of Tolaga Bay	Campbell albatross	<i>Thalassarche impavida</i>	Adult	Female	3	Empty.	Fish bones, bile.	Downy brood patch. Heavy body moult. Outer 3 primaries partly grown, underwing coverts moult heavy, 1 feather 35 mm out or quill (tail).

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033304	Pelagic tuna longliner	1770	4	38	25/04/2003	100 km off Cape Turnagain	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	1	Empty.	Fish bones.	Central bare patch, rest of brood patch downy pins.
033286	Pelagic tuna longliner	1770	6	51	27/04/2003	100 km off Cape Turnagain	Campbell albatross	<i>Thalassarche impavida</i>	Adult	Male	5	Empty.	2 small squid beaks, small squid eyeballs.	Downy brood patch. Strong body moult. Outer 2 primaries old, 2 pins on tail.
033302	Pelagic tuna longliner	1770	6	52	27/04/2003	100 km off Cape Turnagain	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	Empty.	Fish paste.	Downy brood patch.
033171	Domestic bottom longliner	1727	82	1	23/01/2003	Bounty Platform	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Female	1	Empty.	Barnacle shell, small fish bones.	Mainly bare brood patch with some pinning downy.
033110	Domestic bottom longliner	1727	117	1	2/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Empty.	Squid beak fragments, worms, 1 seed, salp tests, small quartz rock, fish skin, fish bone.	Mainly bare brood patch with some pinning. Trace of body moult.
033149	Domestic bottom longliner	1727	165	4	13/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	Empty.	Squid beak fragments, egg shell.	Downy brood patch. Strong body moult.
022910	Domestic bottom longliner	1708	138	1	15/11/2002	E of Bounty Island	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Empty.	Squid beak fragments, worms.	Matted brood patch.
033443	Domestic bottom longliner	1799	1	3	9/07/2003	E of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Female	2	Empty.	Squid beak fragments, few fish bones, otoliths.	Downy brood patch.
033449	Domestic bottom longliner	1799	2	4	9/07/2003	E of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	3	Empty.	Squid beak fragments, fish bones, fish skin, otoliths.	Downy brood patch. Some body moult.
033398	Domestic bottom longliner	1787	42	1	30/06/2003	N of Auckland Is	Southern cape pigeon	<i>Daption capense</i>	Adult	Female	1	Empty.	Pebbles, seaweed.	Black and white downy brood patch.
033458	Pelagic tuna longliner	1791	18	282	16/07/2003	N of Raoul Island	Grey-faced petrel	<i>Pterodroma macroptera</i>	Adult	Female	2	Empty.	Squid beak fragments.	Matted downy brood patch.
033435	Domestic bottom longliner	1800	67	1	9/08/2003	NE of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	2	Empty.	Squid beak fragments, pebbles, squid eyeball, fish bone.	Downy brood patch.
033434	Domestic bottom longliner	1800	59	1	7/08/2003	NW of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	2	Empty.	Squid beak fragments, otoliths, fish bones.	Downy brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033454	Trawler	1796	69	1	10/08/2003	Off Cape Foulwind	Fairy prion	<i>Pachyptila turtur</i>	Adult	Male	4	Empty.	Squid beak fragments.	Downy brood patch.
033301	Pelagic tuna longliner	1770	7	57	28/04/2003	S of Mahia Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Empty.	Seaweed.	Downy brood patch.
022885	Domestic bottom longliner	1709	107	1	5/11/2002	S of Solander Island	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Empty.	Squid beak fragments, crab exoskeleton.	Downy brood patch.
033204	Squid trawler	1737	62	1	19/02/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	4	Empty.	Squid beaks, lanternfish otolith.	Downy brood patch.
033278	Squid trawler	1751	22	1	12/03/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	2	Empty.	Small fish bones, 2 otoliths.	Part downy brood patch with some pins.
033212	Squid trawler	1752	6	2	8/03/2003	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Empty.	Fish skin.	Mainly downy brood patch.
033203	Squid trawler	1756	49	1	11/04/2003	SW of Puysegur Point	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	Empty.	Squid beak.	Partly bare downy pins on brood patch.
022889	Domestic bottom longliner	1708	112	1	9/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	Empty.	Worms, squid beak matted fragments.	Partly downy brood patch.
033518	Domestic bottom longliner	1817	35	1	16/09/2003	W of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	1	Empty.	Squid beak fragments.	Downy brood patch.
033395	Joint venture tuna longliner	1772	16	150	15/05/2003	Off Fiordland	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	1	Empty.	Squid beak and squid eyeball.	Pins, some downy on brood patch.
033382	Joint venture tuna longliner	1762	3	57	18/04/2003	SW of Puysegur Point	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	4	Empty.	Empty.	Downy brood patch.
033293	Pelagic tuna longliner	1770	33	145	25/05/2003	150 km E of Tolaga Bay	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Female	5	Empty.	Squid beak fragments, fish flesh, 1 fish otolith.	Mainly bare pinning brood patch.
033102	Domestic bottom longliner	1727	124	1	3/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	Empty.	Squid beak fragments, squid eyeballs, otoliths.	Bare brood patch pinning.
033113	Domestic bottom longliner	1727	124	2	3/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	Empty.	Squid beak fragments, squid eyeballs, worms.	Pinning brood patch.
033148	Domestic bottom longliner	1727	166	4	13/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	Empty.	Few squid beak fragments, worms.	Pinning downy brood patch.
033105	Domestic bottom longliner	1727	179	1	15/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	Empty.	Squid beak fragments.	Mainly bare, pinning downy brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033053	Domestic bottom longliner	1717	9	1	12/11/2002	Chatham Rise W of Chatham Is	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Male	1	Empty.	Seaweed, krill exoskeleton.	Matted downy, partly bare brood patch.
033474	Trawler	1811	13	1	24/08/2003	Cook Strait	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Female	5	Empty.	Otoliths, fish bones, arrow squid eyeball.	Downy brood patch.
033465	Pelagic tuna longliner	1790	23	471	18/07/2003	N of Raoul Island	Grey-faced petrel	<i>Pterodroma macroptera</i>	Adult breeder	Female	2	Empty.	Squid beak fragments, otoliths, very many squid eyeballs.	Bare brood patch, downy central stripe.
033049	Trawler	1723	50	1	6/01/2003	Pukaki Rise	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	4	Empty.	Squid beak fragments, worms.	Bare brood patch with partly downy central stripe.
033050	Trawler	1723	50	2	6/01/2003	Pukaki Rise	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	Empty.	Squid beak fragments, worms, bile.	Bare brood patch.
033209	Squid trawler	1737	54	2	16/02/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Female	1	Empty.	2-3 small fish bones.	Mainly bare brood patch with some pinning.
033320	Pelagic tuna longliner	1770	4	41	25/04/2003	SE of Cape Kidnappers	Gibson's (wandering) albatross	<i>Diomedea gibsoni</i>	Adult breeder	Male	2	Empty.	Large fish eyeball, fish vertebrae, bile, proventricular oil.	Bare brood patch.
033385	Joint venture tuna longliner	1762	2	26	18/04/2003	SW of Puysegur Point	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	1	Empty.	Empty, bile.	Bare brood patch.
033389	Joint venture tuna longliner	1762	2	31	18/04/2003	SW of Puysegur Point	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	Unknown	Empty.	Empty.	Bare brood patch.
033387	Joint venture tuna longliner	1762	3	58	19/04/2003	SW of Puysegur Point	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Male	4	Empty.	Empty.	Mainly bare pinning, part downy brood patch.
022927	Domestic bottom longliner	1708	121	1	11/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	1	Empty.	Squid beak fragments, squid eyeball.	Matted downy brood patch.
022892	Domestic bottom longliner	1708	142	2	16/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	3	Empty.	Squid beak fragments, salp tests.	Matted downy brood patch.
022862	Trawler	1698	64	2	6/10/2002	W of Puysegur Point	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	2	Empty.	Squid beaks and eyeballs, lanternfish otoliths, 2 plastic.	Downy brood patch.
033388	Joint venture tuna longliner	1762	55	471	12/06/2003	WNW of Jackson Bay	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	1	Empty.	Barnacle shell, worm.	Part bare, mainly downy pins on brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033305	Pelagic tuna longliner	1770	5	44	26/04/2003	100 km off Cape Turnagain	Campbell albatross	<i>Thalassarche impavida</i>	Immature	Female	5	Empty.	Empty (bile).	Downy brood patch. Strong body moult.
033299	Squid trawler	1775	58	1	22/05/2003	N of Auckland Is	White-headed petrel	<i>Pterodroma lessonii</i>	Immature	Male	5	Empty.	Squid beak fragments.	Downy brood patch.
033375	Joint venture tuna longliner	1760	28	358	15/05/2003	100 km W of Milford Sound	Buller's albatross	<i>Thalassarche bulleri</i>	Sub-adult	Male	3	Empty.	Bile, empty.	Part bare, some downy pins on brood patch.
033374	Joint venture tuna longliner	1760	59	611	16/06/2003	110 km W of Jackson Bay	Buller's albatross	<i>Thalassarche bulleri</i>	Sub-adult	Female	1	Empty.	Empty.	Partly bare brood patch with a few pins.
033394	Joint venture tuna longliner	1772	22	238	22/05/2003	200 km W of Cape Foulwind	Buller's albatross	<i>Thalassarche bulleri</i>	Sub-adult	Male	1	Empty.	3 squid beaks.	Mainly bare brood patch.
033100	Domestic bottom longliner	1727	170	1	14/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Male	1	Empty.	Seaweed, squid beak fragments, squid eyeballs, large quantity salp tests.	Downy pins on brood patch. Slight body moult.
033114	Domestic bottom longliner	1727	181	8	16/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Male	1	Empty.	Squid beak fragments, seaweed, worms, bile.	Downy brood patch. Strong body moult.
033314	Domestic bottom longliner	1784	1	1	10/06/2003	Off Greymouth	Buller's albatross	<i>Thalassarche bulleri</i>	Sub-adult	Female	2	Empty.	Squid beaks.	Part bare brood patch with downy pins.
033396	Joint venture tuna longliner	1772	16	151	15/05/2003	Off Fiordland	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Female	1	Empty, 1 nematode cyst.	Squid beaks, salp tests.	Partly bare brood patch with some pinning.
033392	Joint venture tuna longliner	1762	1	13	17/04/2003	SW of Puysegur Point	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	5	Empty, 2 nematode cysts.	1 small pebble, very small squid eyeballs, tiny squid beak fragments, 2.	Bare brood patch.
033391	Joint venture tuna longliner	1762	3	55	19/04/2003	SW of Puysegur Point	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Male	1	Empty, 2 nematode cysts.	Empty.	Bare brood patch.
033307	Pelagic tuna longliner	1770	49	190	11/06/2003	100 km NE of Cape Brett	Campbell albatross	<i>Thalassarche impavida</i>	Immature	Female	4	Empty, 2 nematode cysts.	Empty.	Downy brood patch.
033260	Squid trawler	1752	50	5	24/03/2003	E of Auckland Is	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	3	Empty, 2 very large nematode cysts.	Worms, small squid eyeballs, small otoliths.	Downy pins on brood patch.
033287	Pelagic tuna longliner	1770	12	72	4/05/2003	Off East Cape	Campbell albatross	<i>Thalassarche impavida</i>	Juvenile	Male	2	Empty, 4 nematode cysts.	Empty.	Brood patch downy—grey.
033318	Pelagic tuna longliner	1770	35	155	27/05/2003	180 km E of East Cape	Campbell albatross	<i>Thalassarche impavida</i>	Immature	Male	4	Empty, 5 nematode cysts.	Fish flesh (bait?).	Downy brood patch.

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033306	Pelagic tuna longliner	1770	33	144	25/05/2003	120 km off Tolaga Bay	Campbell albatross	<i>Thalassarche impavida</i>	Juvenile	Male	1	Empty, 5 nematode cysts.	Worms.	Downy brood patch.
033288	Pelagic tuna longliner	1770	35	162	27/05/2003	180 km E of East Cape	Campbell albatross	<i>Thalassarche impavida</i>	Juvenile	Male	5	Empty, 5 nematode cysts.	Empty, bile.	Downy brood patch. Grey down.
033311	Pelagic tuna longliner	1770	6	50	27/04/2003	100 km off Cape Turnagain	Antipodean (wandering) albatross	<i>Diomedea antipodensis</i>	Immature	Female	5	Empty, few worms.	1 squid beak.	Downy brood patch. Heavy body moult. 1 wing outer. 2 primaries old. R wing outer. 3 primaries moulted.
033467	Pelagic tuna longliner	1771	44	127	7/06/2003	400 km NE of East Cape	Grey-faced petrel	<i>Pterodroma macroptera</i>	Adult	Male	1	Empty, worms.	Squid beak fragments, otoliths, squid eyeballs, fish bones.	Downy brood patch.
033290	Pelagic tuna longliner	1770	8	60	29/04/2003	50 km E of Mania Peninsula	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	1	Empty.	Empty, bile.	Partly bare, pinning brood patch. Strong body moult.
022905	Trawler	1693	101	1	6/11/2002	N Arm, Stewart Island	Common diving petrel	<i>Pelecanoides urinatrix</i>	Adult	Male	3	Empty.	Empty, bile.	Partly downy, downy centre line brood patch.
033470	Trawler	1796	33	1	29/07/2003	W of Hokitika	Western weka	<i>Gallirallus australis</i>	Adult	Male	5	Empty.	Pebbles.	Downy brood patch.
033456	Pelagic tuna longliner	1791	19	293	17/07/2003	N of Raoul Island	White-headed petrel	<i>Pterodroma lesssonii</i>	Sub-adult	Female	1	Empty.	Squid beak fragments, worms, otoliths.	Matted downy brood patch.
033479	Trawler	1807	14	1	1/08/2003	Cook Strait	White-capped albatross	<i>Thalassarche steadi</i>	Immature	Male	5	Empty, 2 nematode cysts.	Empty.	Downy brood patch. Heavy body moult.
033244	Domestic bottom longliner	1727	198	1	22/02/2003	SW of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Male	2	Few fish bones.	Squid beak fragments, barnacle shell.	Downy brood patch. Strong body moult.
033112	Domestic bottom longliner	1727	177	2	15/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Few fish bones—bait?	Squid beak fragments, worms, squid eyeballs.	Downy pins on brood patch.
033109	Domestic bottom longliner	1727	111	1	30/01/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	Few fish bones—bait?	Squid beak fragments, worms, otoliths, 1 black plastic.	Mainly pinning brood patch.
022906	Trawler	1695	61	1	2/11/2002	E of Chatham Is	Northern giant petrel	<i>Macronectes halli</i>	Adult	Female	3	Fish gut, fat, offal.	Fish skin, feathers, otolith, fish eyeballs.	Bare, fully pinned.
033298	Pelagic tuna longliner	1770	12	74	14/05/2003	125 km off East Cape	Grey-faced petrel	<i>Pterodroma macroptera</i>	Adult breeder	Male	1	Fish bait.	Squid beak fragments, 2 tiny squid eyeballs.	Downy brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033064	Trawler	1714	60	6	18/11/2002	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Male	2	Fish body ofal containing squid (remains of tentacles), fish eyeballs, barnacle shells.	Barnacle shell.	Downy brood patch.
033123	Domestic bottom longliner	1727	177	1	15/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steeadi</i>	Sub-adult	Male	1	Fish bones—bait?	Squid beak fragments, 2 large otoliths, 1 fish eyeball.	Pinning downy brood patch. Slight body moult.
033501	Trawler	1809	101	1	8/09/2003	E of Banks Peninsula	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Male	1	Fish bones and Fish off-cuts, flesh ofal.	Few fish eyeballs.	Partly downy brood patch.
033261	Squid trawler	1759	21	1	5/04/2003	N of Auckland Is	White-capped albatross	<i>Thalassarche steeadi</i>	Adult	Male	3	Fish bones and flesh ofal.	Empty.	Downy brood patch.
022887	Domestic bottom longliner	1709	18	1	11/10/2002	S of Solander Island	Southern cape pigeon	<i>Daption capense</i>	Juvenile	Female	4	Fish bones and large scales, ofal.	Squid beak fragments, worms.	Downy brood patch.
033083	Trawler	1714	69	12	20/11/2002	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Female	1	Fish bones, 1 rattail discarded.	Proventricular oil, squid beaks.	Mainly bare brood patch, some pinning.
033080	Trawler	1714	45	3	14/11/2002	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Female	1	Fish bones, ofal filet, 4 nematode cysts.	Squid beaks, otoliths, seaweed.	Partly bare brood patch with some downy pinning.
033438	Domestic bottom longliner	1799	97	8	11/08/2003	N of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	1	Fish bones, 'sea slug', worms.	Squid beak fragments, squid eyeballs, worms.	Downy brood patch.
033084	Trawler	1714	69	15	20/11/2002	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Male	2	Fish eyeballs, large fish bone, ofal discards, otoliths.	Empty.	Partly bare brood patch.
033145	Domestic bottom longliner	1727	186	5	17/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steeadi</i>	Adult	Male	2	Fish flesh—bait?	1 pebble, fish vertebrae, squid beak fragments.	Downy centre line—rest pinning downy.
033317	Pelagic tuna longliner	1770	33	146	25/05/2003	125 km E of Gisborne	Campbell albatross	<i>Thalassarche impavida</i>	Immature	Female	5	Fish flesh—small piece bait?	Bile.	Downy brood patch.
033390	Joint venture tuna longliner	1762	2	19	18/04/2003	SW of Puysegur Point	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Male	1	Fish flesh (ofal).	Fish flesh.	Bare brood patch with few downy pins.
033328	Squid trawler	1775	86	1	7/06/2003	S of Auckland Is	White-capped albatross	<i>Thalassarche steeadi</i>	Adult	Male	3	Fish flesh and bones.	Squid beak fragments, squid eyeball.	Downy brood patch.
033476	Trawler	1795	79	1	8/08/2003	Off Cape Foulwind	White-capped albatross	<i>Thalassarche steeadi</i>	Sub-adult	Female	5	Fish flesh and skin—ofal.	Fish paste, fish eyeballs.	Downy brood patch. Heavy body moult.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033107	Domestic bottom longliner	1727	177	6	15/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Female	1	Fish flesh bait?	Squid beak fragments, of black plastic.	Partly bare brood patch with mainly downy pins. Strong body moult.
033291	Pelagic tuna longliner	1770	5	47	26/04/2003	180 km E of Cape Turnagain	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Female	1	Fish flesh, small fish bones (bait?).	Small squid eyeballs, squid beaks, crab exoskeleton.	Downy brood patch. Strong body moult.
033292	Pelagic tuna longliner	1770	6	53	27/04/2003	180 km E of Cape Turnagain	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	1	Fish flesh, small fish bones (bait?).	Small squid eyeballs.	Downy brood patch. Strong body moult.
022907	Domestic bottom longliner	1708	134	6	14/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	Fish gut of offal—bottom, 2 fish bait—top.	Squid beak fragments, large fish bone.	Matted downy brood patch.
033062	Domestic bottom longliner	1717	13	1	13/11/2002	SE Chatham Rise	Chatham albatross	<i>Thalassarche eremita</i>	Adult breeder	Male	1	Fish gut of offal—bottom, 5 fish bait.	1 otolith.	Bare brood patch.
033135	Domestic bottom longliner	1727	184	2	17/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Fish gut of offal, 1 piece seaweed.	Squid beak fragments, 1 white plastic, worms, small otoliths, seaweed.	Pinning downy brood patch. Slight body moult.
022890	Domestic bottom longliner	1708	98	1	5/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Fish gut of offal, crab exoskeleton.	Worms, squid beak fragments, barnacle shell, 1 rock.	Matted downy brood patch.
033228	Squid trawler	1756	69	1	21/04/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Fish guts (offal).	Squid beaks, lanternfish otoliths.	Downy brood patch.
033081	Trawler	1714	69	17	20/11/2002	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Female	5	Fish guts and flesh of offal.	Squid beak, fish bones, fish eyeballs.	Mainly bare brood patch, some pinning.
033098	Domestic bottom longliner	1727	150	1	9/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	Fish guts of offal.	Squid beak fragments, worms.	Partly bare brood patch with downy centre line, rest pinning.
033321	Squid trawler	1775	17	1	3/05/2003	Off Chaslands Mistake	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	3	Fish guts of offal.	Small fish eyeballs.	Bare brood patch with few pins.
033270	Squid trawler	1765	38	1	17/04/2003	Off The Snares	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	3	Fish guts of stomach, 2 squid heads without tentacles—upper stomach.	Quantity of small otoliths, small fish bones, fish eyeballs.	Downy pins on brood patch. Strong body moult.
033132	Domestic bottom longliner	1727	184	4	17/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Fish guts of offal—bottom of stomach, 1 bait—top.	Squid beak fragments, small otoliths, worms.	Pinned downy brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
022924	Domestic bottom longliner	1708	134	4	14/11/2002	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadyi</i>	Adult breeder	Male	4	Fish guts offal—bottom, 1 bait—top.	Squid beak fragments, worms.	Mainly bare brood patch with downy centre stripe.
022891	Domestic bottom longliner	1708	142	1	16/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadyi</i>	Adult	Male	2	Fish guts offal—bottom, 1 fish bait—top.	Squid beak fragments, white and yellow worms, salp tests.	Matted downy brood patch.
022929	Domestic bottom longliner	1708	132	2	14/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadyi</i>	Adult breeder	Male	1	Fish guts offal—bottom, 2 fish bait—top.	Squid beak fragments, worms.	Matted downy brood patch becoming bare.
033468	Pelagic tuna longliner	1791	48	683	17/08/2003	N of Raoul I	Grey-faced petrel	<i>Pterodroma macroptera</i>	Adult breeder	Female	1	Fish guts offal, proventricular oil.	Squid beak fragments.	Bare brood patch.
033133	Domestic bottom longliner	1727	184	3	17/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadyi</i>	Adult	Male	1	Fish guts offal, sponge and tube worms.	Squid beak fragments, white plastic, small otoliths, worms.	Downy brood patch. Sirong body moult.
033457	Pelagic tuna longliner	1790	43	599	29/07/2003	N of Raoul I	Grey-faced petrel	<i>Pterodroma macroptera</i>	Adult breeder	Male	1	Fish guts offal?	Squid beak fragments.	Bare brood patch with downy centre stripe.
033030	Trawler	1719	4	1	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	1	Fish guts, offal.	Squid beak, 6 plastic.	Matted downy brood patch.
033271	Squid trawler	1736	17	1	31/01/2003	SW of The Snares	White-capped albatross	<i>Thalassarche steadyi</i>	Adult breeder	Female	1	Fish head offal.	Empty.	Bare brood patch.
033406	Domestic bottom longliner	1787	90	1	20/07/2003	Campbell Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	3	Fish offal.	Squid beak fragments, few fish bones, otoliths.	Downy, some pinning on brood patch. Heavy body moult.
033066	Trawler	1714	60	5	18/11/2002	Chatham Rise	Salvin's albatross	<i>Thalassarche salwini</i>	Adult	Female	1	Fish offal.	Fish bone, flat worms.	Brood patch gone.
033029	Trawler	1719	4	15	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Fish offal.	Proventricular oil.	Downy brood patch.
033381	Joint venture tuna longliner	1762	2	20	18/04/2003	SW of Puysegur Point	Gibson's (wandering) albatross	<i>Diomedea gibsoni</i>	Adult breeder	Female	1	Fish offal.	Empty, bile.	Bare brood patch with few pins.
033450	Trawler	1796	15	1	23/07/2003	W of Greymouth	Westland petrel	<i>Procellaria westlandica</i>	Adult breeder	Female	4	Fish offal.	Squid beak fragments.	Bare brood patch with some pinning.
033463	Pelagic tuna longliner	1791	38	481	5/08/2003	N of Raoul I	Grey-faced petrel	<i>Pterodroma macroptera</i>	Immature	Female	1	Fish offal.	Squid beak fragments, 2 otoliths.	Downy brood patch. Heavy body moult. 3 feathers—pins only on tail.
033407	Domestic bottom longliner	1787	11	3	18/06/2003	Campbell Plateau	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Male	1	Fish offal—bottom of stomach, 1 fish bait—top of stomach.	Worms, squid beak fragments.	Bare brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033509	Domestic bottom longliner	1808	91	9	1/09/2003	W of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	2	Fish offal—bottom, 1 fish bait—top. Proventricular oil.	Squid beak fragments, squid eyeballs.	Mostly downy pinning brood patch.
033233	Squid trawler	1754	45	1	25/03/2003	N of Auckland Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	4	Fish offal (well digested).	Squid beaks, lanternfish otoliths.	Pinning downy brood patch.
033323	Squid trawler	1775	36	1	13/05/2003	SW of Puysegur Point	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Female	2	Fish offal, 3 whole fish (round and flat).	Squid beak fragments, otoliths.	Downy brood patch. Strong body moult.
022904	Scampi trawler	1705	112	1	24/11/2002	SE Auckland Is	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	3	Fish offal, crab exoskeleton.	Small otoliths.	Partly bare, downy centre line on brood patch.
033068	Trawler	1714	60	8	18/11/2002	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Sub-adult	Male	3	Fish off-cuts, ofal (hoki tail).	Fish bones, otoliths.	Downy brood patch.
033308	Pelagic tuna longliner	1770	49	189	11/06/2003	100 km N of Poor Knights Is	Campbell albatross	<i>Thalassarche impavida</i>	Immature	Male	2	Fish part (bait), 4 nematode cysts.	Empty, (bile).	Downy brood patch.
022884	Domestic bottom longliner	1709	78	1	28/10/2002	S of Solander Island	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Fish paste.	74 lantern fish otoliths, fish bones, 3 plastic.	Downy brood patch.
033230	Squid trawler	1737	77	1	25/02/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Sub-adult	Male	2	Fish paste.	Squid beaks, fish eyeballs.	Downy brood patch.
033141	Domestic bottom longliner	1727	165	7	13/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	Fish paste and fish bone—old bait?	Squid beak fragments, small otoliths, fish scales.	Downy brood patch. Trace of body moult.
033218	Squid trawler	1754	49	1	27/03/2003	E of Auckland Is	Sooty shearwater	<i>Puffinus griseus</i>	Sub-adult	Male	1	Fish paste, 1 Onychorhynchus squid beak.	Squid beaks, lanternfish otolith.	Downy brood patch.
033205	Squid trawler	1752	68	4	30/03/2003	SW of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	2	Fish paste, 1 large rattail.	Fish bones, 1 rock.	Downy brood patch with small patches of white down.
033026	Trawler	1719	4	11	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Fish paste, 15 lanternfish.	45 lanternfish otoliths, 6 plastic.	Downy brood patch.
033037	Trawler	1719	4	9	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	1	Fish paste, 22 lanternfish otoliths.	Squid beaks, fish paste, lanternfish otoliths, 1 <i>Sophora</i> seed.	Matted downy brood patch.
033021	Trawler	1719	4	19	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Fish paste, 28 lanternfish, 9 rattails.	35 lanternfish otoliths, fish bones, 1 wood.	Downy brood patch.
033471	Pelagic tuna longliner	1771	10	14	1/05/2003	120 km off Tolaga Bay	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Fish paste, 3 lanternfish otoliths.	1 lanternfish otolith, arrow squid beaks, 1 wood.	Downy brood patch.
033028	Trawler	1719	4	7	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Fish paste, 8 lanternfish.	Squid beak, lanternfish otoliths, saip test, 2 rocks.	Matted downy brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033471	Pelagic tuna longliner	1771	10	14	1/05/2003	120km off Tolaga Bay	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Fish paste, 3 lanternfish otoliths	1 lanternfish otolith, arrow squid beaks, 1 wood	Downy brood patch
033028	Trawler	1719	4	7	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Fish paste, 8 lanternfish	Squid beak, lanternfish otoliths, saip test, 2 rocks	Matted downy brood patch
033143	Domestic bottom longliner	1727	165	2	13/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	Fish paste, bones, small eyeballs, bottom of stomach, 1 bait—top.	Squid beak fragments, worms, small otoliths.	Downy brood patch. Strong body moult.
033140	Domestic bottom longliner	1727	165	3	13/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	Fish paste, krill, small otoliths.	Squid beak fragments, squid eyeballs, saip testis, small otoliths.	Pinned downy brood patch.
033136	Domestic bottom longliner	1727	165	5	13/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Fish paste, small otoliths, krill—bottom of stomach, 1 fish bait—top.	Squid beak fragments, fish bones, small otoliths.	Downy brood patch.
033130	Domestic bottom longliner	1727	184	6	17/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	Fish paste, small otoliths, small fish eyeballs, Natural?	Squid beak fragments, 1 small white plastic.	Pinning downy brood patch.
033510	Domestic bottom longliner	1808	70	4	25/08/2003	W of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	U	Fish skin—offal (bottom), 2 fish bait (top).	Squid beak fragments, squid eyeballs, otoliths, fish bones, worms.	Downy pinning brood patch.
033480	Trawler	1796	25	2	26/07/2003	E edge of Challenger Plateau	White-capped albatross	<i>Thalassarche steadi</i>	Immature	Male	3	Fish skin and flesh offal.	Fish eyeballs.	Downy brood patch. Heavy body moult. Outer primaries new—both wings.
033512	Domestic bottom longliner	1808	82	8	19/08/2003	W of Chatham Is	Southern cape pigeon	<i>Daption capense</i>	Adult	Male	2	Fish skin/flesh—offal.	Squid beak fragments.	Downy brood patch.
033513	Domestic bottom longliner	1808	70	7	25/08/2003	W of Chatham Is	Southern cape pigeon	<i>Daption capense</i>	Adult	Male	3	Fish skin/guts—offal.	Worms, fish beak fragments.	Downy brood patch.
033508	Domestic bottom longliner	1808	33	2	12/08/2003	W of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Female	3	Fish skin/guts—offal (bottom), 1 fish bait (top).	Squid beak fragments, worms, fish skin.	Mostly downy pinning brood patch.
033093	Domestic bottom longliner	1727	161	1	12/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	Fish sludge.	Proventricular oil, squid beak fragments.	Mainly downy pins in brood patch.
033115	Domestic bottom longliner	1727	181	5	16/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	Fish sludge.	Squid beak fragments, squid eyeballs, fish skin.	Pinning downy brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033322	Squid trawler	1775	17	2	3/05/2003	Off Chaslands Mistake	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	Fish sludge (offal waste), whole fish (450 mm).	Fish bones, eyeballs.	Downy brood patch.
033157	Domestic bottom longliner	1727	186	1	17/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult	Male	1	Fish sludge, small fish otoliths, small fish eyeballs.	Small fish otoliths, squid beak fragments, small fish eyeballs, 1 small pebble.	Pinning downy brood patch. Strong body moult.
022923	Domestic bottom longliner	1708	134	2	14/11/2002	W.Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult breeder	Male	2	Fish tail—fileted, offal.	Squid beak fragments, worms.	Partly bare, matted centre line downy brood patch.
022901	Domestic bottom longliner	1708	134	5	14/11/2002	W.Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult	Male	2	Fish tail offal.	Proventricular oil, worms, fish bones.	Matted downy brood patch.
033031	Trawler	1719	4	6	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Female	2	Fish, well digested, 32 lanternfish (30–60 mm).	Lanternfish otoliths.	Downy brood patch.
033067	Trawler	1714	60	7	18/11/2002	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Female	4	Full of fish bones and offal, otoliths, squid flesh, 2 small hoki discards.	2 squid beaks, squid eyeballs, otoliths.	Bare brood patch.
033447	Domestic bottom longliner	1799	35	7	23/07/2003	NW of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Female	2	Full proventricular oil + fish bait remains.	Squid beak fragments, few fish bones, otoliths, squid eyeballs.	Downy brood patch. Some body moult.
033073	Trawler	1714	69	14	20/11/2002	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Female	1	Full, fish offal, fish pieces and bones. 500 g.	Fish bones, seaweed, nematode, flat worms.	Bare brood patch.
033170	Domestic bottom longliner	1727	89	2	24/01/2003	Bounty Platform	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Female	1	Gone.	Small fish bones, otoliths.	Unknown.
033420	Domestic bottom longliner	1787	31	1	25/06/2003	Campbell Plateau	Grey petrel	<i>Procellaria cinerea</i>	Adult	Unknown	Unknown	Gone.	Gone.	Brood patch missing.
033421	Domestic bottom longliner	1787	39	1	28/06/2003	Campbell Plateau	Grey petrel	<i>Procellaria cinerea</i>	Adult	Unknown	Unknown	Gone.	Gone.	Brood patch missing.
033423	Domestic bottom longliner	1787	40	1	28/06/2003	Campbell Plateau	Grey petrel	<i>Procellaria cinerea</i>	Adult	Unknown	Unknown	Gone.	Gone.	Brood patch missing.
033422	Domestic bottom longliner	1787	40	2	3/01/2003	Campbell Plateau	Grey petrel	<i>Procellaria cinerea</i>	Adult	Unknown	Unknown	Gone.	Gone.	Brood patch missing.
033413	Domestic bottom longliner	1787	11	4	18/06/2003	Campbell Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult	Unknown	Unknown	Gone.	Gone.	Downy pinning on brood patch.
033414	Domestic bottom longliner	1787	38	1	28/06/2003	Campbell Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult	Unknown	Unknown	Gone.	Gone.	Brood patch missing.
033065	Trawler	1714	60	9	18/11/2002	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Female	1	Gone.	Gone.	Brood patch gone.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033415	Domestic bottom longliner	1787	50	2	4/07/2003	N of Pukaki Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult	Un-known	Un-known	Gone.	Gone.	Brood patch missing.
033412	Domestic bottom longliner	1787	50	3	4/07/2003	N of Pukaki Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult	Un-known	Un-known	Gone.	Gone.	Downy pinning on brood patch.
033417	Domestic bottom longliner	1787	51	1	4/07/2003	N of Pukaki Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult	Un-known	Un-known	Gone.	Gone.	Brood patch missing.
033426	Domestic bottom longliner	1787	51	2	4/07/2003	N of Pukaki Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult	Un-known	Un-known	Gone.	Gone.	Brood patch missing.
033424	Domestic bottom longliner	1787	51	3	4/07/2003	N of Pukaki Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult	Un-known	Un-known	Gone.	Gone.	Brood patch missing.
033160	Domestic bottom longliner	1727	194		21/02/2003	N of Pukaki Rise	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult	?Male	Un-known	Gone.	Gone.	Gone.
033430	Domestic bottom longliner	1799	1	1	9/07/2003	NE of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	?Female	Un-known	Gone.	Gone.	Bare brood patch with some pinning.
033445	Domestic bottom longliner	1799	1	2	9/07/2003	NE of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	?Female	Un-known	Gone.	Gone.	Part bare pinning brood patch.
033432	Domestic bottom longliner	1799	2	5	9/07/2003	NE of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	?Female	Un-known	Gone.	Gone.	Pinning brood patch.
033433	Domestic bottom longliner	1799	2	6	9/07/2003	NE of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	?Male	Un-known	Gone.	Gone.	Gone.
033431	Domestic bottom longliner	1800	73	1	11/08/2003	NW of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	?Female	Un-known	Gone.	Gone.	Gone.
033418	Domestic bottom longliner	1787	50	1	4/07/2003	Pukaki Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult	Un-known	Un-known	Gone.	Gone.	Brood patch missing.
033256	Squid trawler	1765	46	1	20/04/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Gone.	Gone.	Downy brood patch.
033182	Squid trawler	1750	66	1	17/03/2003	SW of Puysegur Point	White-capped albatross	<i>Thalassarche steadi</i>	Adult	?Male	Un-known	Gone.	Gone.	Downy brood patch.
033247	Domestic bottom longliner	1727	197	3	22/02/2003	SW of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult	Male	1	Gone.	Salp tests, squid beak fragments.	Few downy pins on brood patch.
033505	Domestic bottom longliner	1808	70	5	25/08/2003	W of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Un-known	Un-known	Gone.	Gone.	Part downy pinning brood patch.
033506	Domestic bottom longliner	1808	70	6	25/08/2003	W of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Un-known	Un-known	Gone.	Gone.	Downy brood patch.
033419	Domestic bottom longliner	1787	11	2	18/06/2003	W of Pukaki Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult	Un-known	Un-known	Gone.	Gone.	Brood patch missing.
033411	Domestic bottom longliner	1787	16	5	19/06/2003	Campbell Plateau	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Male	Un-known	Gone.	Gone.	Downy pinning on brood patch.
033048	Domestic bottom longliner	1717	9	1	12/11/2002	Off Chatham Island	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult breeder	Male	2	Gone.	Squid beaks, few worms, otoliths.	Matted downy brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033172	Squid trawler	1736	38	1	8/02/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	?Male	3	Gone.	Gone.	Mainly bare brood patch, pinning.
033161	Domestic bottom longliner	1727	191	1	20/02/2003	N of Pukaki Rise	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Sub-adult	?Female	Un-known	Gone.	Gone.	Brood patch gone. Strong body moult.
033427	Domestic bottom longliner	1787	31	2	25/06/2003	Campbell Plateau	Grey petrel	<i>Procellaria cinerea</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Gone.
033179	Squid trawler	1753	33	1	25/03/2003	E of Auckland Is	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	Un-known	Un-known	Gone.	Gone.	
033238	Domestic bottom longliner	1748	41	2	30/03/2003	Mernoo gap	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Un-known	?Male	Un-known	Gone.	Gone.	Downy brood patch. Trace of body moult.
033269	Squid trawler	1759	50	10	9/04/2003	N of Auckland Is	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	?Female	Un-known	Gone.	Gone.	Downy brood patch.
043753	Squid trawler	1758	40	1	6/04/2003	Off Auckland Is	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	Un-known	2	Gone.	Gone.	Unknown.
033453	Domestic bottom longliner	1800	123	1	25/08/2003	Off Chatham Is	Southern cape pigeon	<i>Daption capense</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Gone.
033202	Squid trawler	1737	54	8	16/02/2003	Off The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Unknown.
033416	Domestic bottom longliner	1787	60	1	8/07/2003	Pukaki Rise	Grey petrel	<i>Procellaria cinerea</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Brood patch missing.
033190	Squid trawler	1737	93	1	2/03/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	?Female	Un-known	Gone.	Gone.	
033272	Squid trawler	1765	9	1	9/04/2003	N of Auckland Is	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Brood patch gone. Very extensive body moult. Outer 3 primaries old—rest new.
033428	Domestic bottom longliner	1799	121	10	20/08/2003	S of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	?Female	Un-known	Gone—offal? in body cavity.	Gone.	Downy brood patch.
033078	Trawler	1714	54	4	16/11/2002	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Male	1	Goose barnacle, 1 fish vertebra, 1 squid beak.	Fish vertebrae, otolith, barnacle shell.	Mainly downy brood patch, some downy pins.
033072	Trawler	1714	69	13	20/11/2002	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Male	1	Goose barnacles, seaweed, 2 squid beaks at bottom of stomach, fish offal chunks in upper stomach.	Squid beaks, barnacles.	Matted downy brood patch.
033300	Pelagic tuna longliner	1770	3	32	24/04/2003	50 km off Cape Turnagain	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	2	Head of saury (bait).	Squid beak, lanternfish otoliths, 1 plastic, 1 string.	Downy brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
022860	Trawler	1698	51	4	1/10/2002	SW of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	4	Hoki offal and otoliths, squid beaks.	Squid beaks, fish eyeballs.	Downy brood patch.
033276	Squid trawler	1765	56	1	23/04/2003	N of Auckland Is	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	2	Krill—bottom of stomach, squid head, no tentacles—top of stomach. Offal.	Krill, squid eyeballs.	Downy brood patch.
033237	Squid trawler	1759	35	6	7/04/2003	N of Auckland Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Female	1	Krill paste and eyeballs, seaweed.	Squid beak fragments, krill paste, squid eyeball.	Downy brood patch. Some body moult.
033082	Trawler	1714	69	11	20/11/2002	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Sub-adult	Male	4	Large fish bones and eyeballs, large otoliths.	Fish bones, fish eyeballs, otoliths.	Downy brood patch.
033051	Trawler	1715	16	1	17/11/2002	E of Stewart Island	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	4	Large fish bones, flesh, offal, 1 nematode cyst.	Large fish bones.	Downy brood patch.
022926	Domestic bottom longliner	1708	43	1	20/10/2002	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	3	Large fish bones, offal.	Squid beak fragments, worms, small otolith.	Downy brood patch.
033186	Squid trawler	1736	8	7	26/01/2003	SW of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	Large fish bones, offal.	Large fish bones, otoliths, squid beaks.	Bare brood patch with a few pins.
033131	Domestic bottom longliner	1727	184	5	17/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Large fish bones, small otoliths bait?	Squid beak fragments, small otoliths.	Pinning downy brood patch.
033451	Domestic bottom longliner	1800	136	1	29/08/2003	Off Chatham Is	Southern cape pigeon	<i>Daption capense</i>	Adult	Male	4	Large fish eyeball.	Worms, squid beak fragments, pebble, 1 orange plastic, 2 green plastic, 1 yellow plastic, 1 red plastic.	Downy brood patch.
033327	Squid trawler	1775	9	1	29/04/2003	Off Puysegur Point	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	Large fish head in throat—offal, 2 nematode cysts.	Fish bones, fish otoliths.	Downy brood patch. Strong body moult.
033183	Squid trawler	1736	8	4	26/01/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Large fish head and other sundry bits of fish offal.	Empty.	Bare brood patch.
033477	Trawler	1795	21	1	18/07/2003	Off Cape Foulwind	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Female	5	Large fish skin piece (offal).	Blie.	Downy brood patch. Heavy body moult. Outer 3 primaries old—both wings.
033283	Squid trawler	1751	23	2	12/03/2003	SW of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	Large fish vertebrae—bottom of stomach, 7 squid heads, no tentacles, offal.	Large fish vertebrae.	Mostly pinning brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033069	Trawler	1714	69	16	20/11/2002	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Female	2	Large offal bones, offal from discards, otoliths.	Otoliths, 1 green seed, squid beak, fish bones.	Bare brood patch.
033326	Squid trawler	1775	90	1	8/06/2003	N of Auckland Is	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	Large squid mantle (cut) offal, 1.5 small rattail, worms.	Worms.	Downy brood patch. Strong body moult.
033482	Pelagic tuna longliner	1790	50	857	16/08/2003	S Fiji Basin 400 km+ N of Great Barrier Island	Black-browed albatross	<i>Thalassarche melanophrys</i>	Immature	Male	5	Octopus tentacle ?Offal.	Empty.	Downy brood patch. Trace of body moult.
033400	Domestic bottom longliner	1787	49	3	4/07/2003	N of Pukaki Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Male	2	Offal—fish guts.	Worms, squid beak fragments, fish bones, otoliths.	Downy pins on brood patch.
033399	Domestic bottom longliner	1787	46	2	3/07/2003	N Pukaki Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	2	Offal—fish sludge, bones.	Squid beak fragments, squid eyeballs, small otoliths, few fish bones.	Downy brood patch.
033507	Domestic bottom longliner	1808	23	1	9/08/2003	W of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Male	1	Offal (fish) in bottom, fish bait in top, proventricular oil.	Squid beak fragments, 2 otoliths.	Downy brood patch, some pinning.
022854	Trawler	1698	51	1	1/10/2002	SW of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	Offal and squid beak fragments.	Fish skin and squid beak fragments.	Downy brood patch. Strong body moult.
022856	Trawler	1698	63	1	6/10/2002	Off Fiordland	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	2	Oily sludge.	Squid beak fragments.	Downy mostly pinning brood patch.
033309	Pelagic tuna longliner	1770	14	80	6/05/2003	100 km NNE of East Cape	Gibson's (wandering) albatross	<i>Diomedea gibsoni</i>	Adult breeder	Male	3	Part fish bait.	Fish bones, fish eyeballs, 1 large otolith.	Bare brood patch with few pins.
033125	Domestic bottom longliner	1727	177	4	15/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	Part of fish bait piece. Large otolith.	Squid beak fragments, worms, otoliths.	Pinning downy brood patch.
033033	Trawler	1719	4	10	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Paste.	Fish paste, lanternfish otoliths.	Downy brood patch.
033025	Trawler	1719	4	20	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Paste.	Lanternfish and rattail otoliths, 24 plastic.	Matted downy brood patch.
022875	Domestic bottom longliner	1709	21	3	13/10/2002	S of Solander Island	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	Paste.	Squid beaks.	Downy brood patch.
022879	Domestic bottom longliner	1709	48	2	20/10/2002	S of Solander Island	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	2	Paste.	Bile, kelp, 5 plastic.	Partly bare front end brood patch.
022877	Domestic bottom longliner	1709	82	1	29/10/2002	S of Solander Island	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Paste.	Squid beaks, 1 plastic.	Downy brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
022863	Trawler	1698	64	1	6/10/2002	W of Puysegur Point	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	2	Paste.	Squid beaks, worms, 1 plastic.	Downy brood patch.
033024	Trawler	1719	4	8	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	3	Paste.	Squid beaks, 10 lanternfish otoliths.	Matted downy brood patch.
033210	Squid trawler	1737	54	1	16/02/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Female	5	Paste.	Squid beaks.	Partly bare brood patch with downy centre line.
033036	Trawler	1719	4	5	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Paste, 8 lanternfish otoliths.	Fish paste, lanternfish otoliths.	Part bare brood patch.
033469	Pelagic tuna longliner	1771	40	119	3/06/2003	200+ km ENE of East Cape	Grey-faced petrel	<i>Pterodroma macroptera</i>	Adult breeder	Male	1	Proventricular oil, fish skin and guts of fish, squid beaks and rays.	Squid beak fragments, squid eyeballs, small otoliths.	Matted downy brood patch.
022928	Domestic bottom longliner	1708	44	2	20/10/2002	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult	Male	2	Proventricular oil.	Squid beak fragments.	Matted downy brood patch.
022918	Domestic bottom longliner	1708	130	1	13/11/2002	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult	Male	3	Proventricular oil.	Squid beak fragments, seaweed, 1 otolith.	Matted brood patch.
033120	Domestic bottom longliner	1727	182	2	16/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult	Male	2	Proventricular oil.	Squid beak fragments.	Pinning brood patch.
033514	Trawler	1813	14	1	24/08/2003	Off Pukakaki	Southern cape pigeon	<i>Daption capense</i>	Adult	Male	3	Proventricular oil.	Fish skin, 1 pebble.	Downy brood patch.
033128	Domestic bottom longliner	1727	181	2	16/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult breeder	Male	2	Proventricular oil.	Squid beak fragments, squid eyeballs.	Bare, pinning brood patch.
033151	Domestic bottom longliner	1727	186	1	17/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult breeder	Male	1	Proventricular oil.	Squid beak fragments, proventricular oil.	Mainly bare, downy centre line, few pins in brood patch.
033403	Domestic bottom longliner	1787	91	1	20/07/2003	Campbell Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Male	3	Proventricular oil.	Squid beak fragments, worms, fish flesh, seaweed.	Downy, some pinning on brood patch.
33460	Pelagic tuna longliner	1790	58	984	25/08/2003	N of Raoul Island	Grey-faced petrel	<i>Pterodroma macroptera</i>	Adult breeder	Male	1	Proventricular oil.	Squid beak fragments, squid eyeballs.	Part bare pinning brood patch.
022886	Domestic bottom longliner	1709	108	1	5/11/2002	S of Solander Island	Southern cape pigeon	<i>Daption capense</i>	Juvenile	Female	3	Proventricular oil.	Squid beak.	Downy brood patch.
033158	Domestic bottom longliner	1727	192	1	21/02/2003	N of Pukakaki Rise	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Sub-adult	Male	3	Proventricular oil.	Squid beak fragments, 1 orange seed.	Downy brood patch.
033459	Pelagic tuna longliner	1791	23	359	21/07/2003	N of Raoul Island	Grey-faced petrel	<i>Pterodroma macroptera</i>	Immature	Female	1	Proventricular oil—full, salp tests.	Squid beak fragments, very small otoliths.	Downy brood patch. Heavy body moult. Outer primaries old, 3 tail feathers partly grown.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
022916	Domestic bottom longliner	1708	134	3	14/11/2002	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	4	Proventricular oil, 1 fish bait, 2 nematode cysts.	Squid beak fragments.	Matted downy brood patch.
022914	Domestic bottom longliner	1708	96	2	5/11/2002	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	3	Proventricular oil, 1 fish bait.	Squid beak fragments.	Matted downy brood patch.
022925	Domestic bottom longliner	1708	72	1	28/10/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Proventricular oil, 1 fish bait.	Squid beak fragments.	Matted downy brood patch.
022894	Domestic bottom longliner	1708	111	1	8/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	3	Proventricular oil, 1 fish bait.	Squid beak, small fish bones.	Matted downy brood patch.
033091	Domestic bottom longliner	1727	68	1	19/01/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	5	Proventricular oil, 1 fish bait.	Squid beak fragments, worms.	Bare brood patch with a few plns.
033088	Domestic bottom longliner	1727	93	1	25/01/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	Proventricular oil, 1 fish bait.	Squid beak fragments.	Mainly bare brood patch with some pinning.
022895	Domestic bottom longliner	1708	98	1	5/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	4	Proventricular oil, 1 fish bait.	Squid beak fragments.	Matted downy brood patch.
033086	Domestic bottom longliner	1727	176	1	15/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Female	1	Proventricular oil, 1 fish bait.	Squid beak fragments.	Downy brood patch. Strong body moult.
033118	Domestic bottom longliner	1727	181	3	16/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Male	1	Proventricular oil, 1 fish bait.	Squid beak fragments.	Downy brood patch. Strong body moult.
022915	Domestic bottom longliner	1708	138	2	15/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	Proventricular oil, 1 fish bait digested—bottom. Fish gut offal—top.	Squid beak fragments, worms, 1 rope knot.	Matted downy partly bare brood patch.
022899	Domestic bottom longliner	1708	96	1	5/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Proventricular oil, 1 well digested fish bait, squid beak.	Squid beak, otoliths, 2 small pebbles.	Matted downy brood patch.
033117	Domestic bottom longliner	1727	181	6	16/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Proventricular oil, 2 fish bait.	Squid beak fragments, worms.	Downy centre line on brood patch. pinning downy—rest. Strong body moult.
022912	Domestic bottom longliner	1708	130	3	13/11/2002	E of Bounty Island	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	3	Proventricular oil, 2 fish bait.	Proventricular oil, squid beak fragments, 2 otoliths, 1 squid eyeball.	Partly bare matted brood patch.
033236	Domestic bottom longliner	1748	42	3	30/03/2003	Memoo gap	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Female	1	Proventricular oil, 2 fish bait.	Squid beak fragments, worms, otoliths, proventricular oil.	Downy brood patch.
033159	Domestic bottom longliner	1727	190	1	20/02/2003	N of Pukaki Rise	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	Proventricular oil, 2 fish bait—top. Squid sludge—bottom.	Squid beak fragments, small otoliths.	Downy centre line, rest pinning.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
022897	Domestic bottom longliner	1708	142	3	16/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	3	Proventricular oil, 3 fish bait, 1 squid beak.	Proventricular oil, squid beak fragments, otolith, salp tests.	Partly bare brood patch with downy centre line.
033243	Domestic bottom longliner	1748	43	4	30/03/2003	Off Kaikoura Coast	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Male	1	Proventricular oil, 3 fish bait, large fish eyeball.	Squid beak fragments, worms, otoliths.	Downy brood patch. Strong body moult.
022913	Domestic bottom longliner	1708	124	1	11/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	Proventricular oil, 3 salps.	1 white plastic, squid beak, 2 salp tests.	Matted brood patch.
033092	Domestic bottom longliner	1727	161	2	12/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Proventricular oil, fish bones.	Squid beak fragments, worms, fish vertebrae.	Matted downy brood patch. Strong body moult.
033397	Domestic bottom longliner	1787	34	1	26/06/2003	Campbell Rise	Southern cape pigeon	<i>Deption capense</i>	Adult	Male	4	Proventricular oil, fish bones.	Worms, fish bones, fish skin.	Black and white downy brood patch.
033461	Pelagic tuna longliner	1790	23	472	18/07/2003	N of Raoul Island	Grey-faced petrel	<i>Pterodroma macroptera</i>	Adult breeder	Female	3	Proventricular oil, fish flesh—offal.	Squid beak fragments, otoliths.	Bare brood patch.
033087	Domestic bottom longliner	1727	73	1	20/01/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	3	Proventricular oil, fish guts and offal.	Worms, squid beak fragments, 1 amphipod.	Mainly bare, some pinning on brood patch.
033239	Squid trawler	1758	12	1	29/03/2003	W of Stewart Island	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Male	1	Proventricular oil, fish liver and gills offal.	Squid beak fragments, salp tests.	Pinning downy brood patch.
033043	Trawler	1716	26	2	29/11/2002	E of Stewart Island	Southern cape pigeon	<i>Deption capense</i>	Adult breeder	Female	4	Proventricular oil, fish sludge.	2 squid beaks, green rope fibres, few worms.	Bare brood patch.
022919	Domestic bottom longliner	1708	134	1	14/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Proventricular oil, fish tail, offal.	Squid beak fragments, worms.	Matted downy slightly bare brood patch.
033444	Domestic bottom longliner	1800	103	1	19/08/2003	W of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Male	1	Proventricular oil, squid rays, 1 fish bait.	Squid beak fragments, squid rays, squid eyeballs.	Downy brood patch. Trace of body moult.
033246	Domestic bottom longliner	1727	198	2	22/02/2003	SW of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Male	3	Remains of 1 fish bait.	Worms, squid beak fragments.	Downy pins on brood patch. Strong body moult.
033058	Trawler	1713	44	1	6/11/2002	N Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Female	1	Seaweed, 2 squid beaks, otolith, fish tail, offal.	Seaweed, fish bones.	Downy brood patch.
033119	Domestic bottom longliner	1727	181	1	16/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Sludge, 3 fish bait.	Squid beak fragments, otoliths.	Pinning downy brood patch. Trace of body moult.
022917	Domestic bottom longliner	1708	44	3	20/10/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	4	Small amount fish sludge.	Squid beak fragments.	Downy brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
022883	Domestic bottom longliner	1709	128	1	10/11/2002	S of Solander Island	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	Small arrow squid.	Squid beaks, 16 plastic.	Downy brood patch.
033076	Trawler	1714	41	2	13/11/2002	Chatham Rise	Northern giant petrel	<i>Macronectes halli</i>	Adult	Male	1	Small bird feathers, proventricular oil.	Bird feathers.	Pinning downy brood patch.
033384	Joint venture tuna longliner	1762	60	487	17/06/2003	WNW of Jackson Bay	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	1	Small piece fish flesh (offal).	Barnacle shell.	Bare brood patch with few pins.
033481	Trawler	1796	87	1	18/08/2003	Off Cape Foulwind	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	3	Small pieces of fish skin offal.	Empty (bile).	Downy brood patch. Moderate—heavy body moult. Outer 2 primaries pinning. Primary coverts pinning. Heavy tail moult.
033437	Pelagic tuna longliner	1771	56	170	20/06/2003	NE of North Cape	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Female	2	Small squid beaks, squid flesh and eyeballs, shell?	Squid beak fragments, small otoliths, shell?	Part bare pinning brood patch.
033464	Pelagic tuna longliner	1790	58	978	25/08/2003	N of Raoul Island	Grey-faced petrel	<i>Pterodroma macroptera</i>	Adult breeder	Male	1	Some proventricular oil, 1 fish bait.	Squid beak fragments.	Bare brood patch with some pinning. Some body moult.
022922	Domestic bottom longliner	1708	124	1	11/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Squid beak fragments at bottom of stomach.	Number of tiny 1 mm otoliths.	Matted downy brood patch.
033085	Trawler	1714	37	1	12/11/2002	S of Banks Peninsula	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	3	Squid beak, fish eyeball, fish flesh, offal.	Squid beak fragments, worms, otoliths, fish skin.	Downy brood patch.
022909	Domestic bottom longliner	1708	136	2	14/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	1	Squid beaks and bits—bottom, 1 fish bait—top.	Squid beak fragments.	Matted downy brood patch.
022888	Domestic bottom longliner	1708	105	1	7/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Squid beaks, 2 bait pieces (fish).	Squid beak, worms, 2 green thread, 2 yellow thread.	Matted downy brood patch.
022858	Trawler	1698	51	3	1/10/2002	SW of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	3	Squid eyeball.	Squid and fish eyeballs, hoki otoliths, 2 twine, 22 plastic.	Downy brood patch.
033198	Squid trawler	1756	8	1	25/03/2003	Off Puysegur Point	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Male	5	Squid flesh offal.	Small amount squid flesh.	Bare brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033241	Squid trawler	1737	109	1	9/03/2003	W of Stewart Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Female	1	Squid head offal, 1 feather.	Squid beak fragments, worms.	Downy pins on brood patch. Strong body moult.
033074	Trawler	1723	57	3	9/01/2003	SW of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	Squid head offal? No tentacles, mantle.	Empty.	Bare brood patch.
033195	Squid trawler	1756	21	1	30/03/2003	N of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	1	Squid mantle and squid bits offal.	Squid flesh.	Downy brood patch with strong body moult.
033061	Trawler	1723	77	1	16/01/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	5	Squid offal.	Squid flesh offal.	Bare brood patch.
033383	Joint venture tuna longliner	1762	3	56	19/04/2003	SW of Puysegur Point	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Squid part digested—bottom: part fish bait, hook attached—top.	Squid beak and eyeball, salp tests.	Downy brood patch.
033254	Squid trawler	1759	21	2	5/04/2003	N of Auckland Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Squid paste.	Squid paste.	Mainly bare brood patch with a few downy pins.
033211	Squid trawler	1759	49	8	9/04/2003	N of Auckland Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Squid paste.	Squid paste.	Downy brood patch.
033235	Squid trawler	1752	7	3	9/03/2003	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	Squid paste.	Squid beaks.	Pinning downy brood patch.
033448	Domestic bottom longliner	1799	103	9	14/08/2003	SW of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	1	Squid rays and fish bones.	Squid beak fragments, few fish bones, squid eyeballs, worms, squid rays.	Downy brood patch. Trace of body moult.
033462	Pelagic tuna longliner	1791	48	684	17/08/2003	N of Raoul Island	Grey-faced petrel	<i>Pterodroma macroptera</i>	Adult breeder	Female	2	Squid rays and squid flesh.	Squid beak fragments, squid eyeballs, worms.	Mostly bare pinning brood patch.
033466	Pelagic tuna longliner	1771	43	123	5/06/2003	400 km NE of East Cape	Grey-faced petrel	<i>Pterodroma macroptera</i>	Adult	Male	1	Squid rays, 3 very large squid eyeballs.	Squid beak fragments.	Matted downy brood patch. Heavy body moult. 4 new pins on wings.
033108	Domestic bottom longliner	1727	115	1	1/02/2003	Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Squid, sludge, small fish eyeballs, few worms.	Fish skin and a few squid beak fragments.	Partly bare pinning brood patch.
033472	Pelagic tuna longliner	1770	5	45	26/04/2003	200 km off Cape Turnagain	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	4	Squid? Paste.	Arrow squid beaks.	Downy brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
033194	Squid trawler	1754	105	1	18/04/2003	N of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	Tail end mantle of very large squid, 1 discard fish, squid mantle offal.	Few fish bones.	Downy brood patch with strong body moult.
033296	Pelagic tuna longliner	1770	12	73	24/05/2003	120 km off East Cape	Westland petrel	<i>Procellaria westlandica</i>	Sub-adult	Male	1	Traces of squid flesh.	Squid beak fragments, salsp tests, small fish otoliths, squid eyeballs.	Downy brood patch. Some body moult. Some tail moult.
033071	Trawler	1714	69	16a	20/11/2002	Chatham Rise	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	?Male	Un-known	Unknown.	Unknown.	
033162	Domestic bottom longliner	1727	13	1	4/01/2003	NE of Bounty Island	Common diving petrel	<i>Pelecanoides urinatrix</i>	Un-known	Un-known	Un-known	Unknown.	Unknown.	Downy brood patch.
033408	Domestic bottom longliner	1787	11	1	18/06/2003	Campbell Plateau	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Male	3	V large piece fish skin offal.	Worms, squid beak fragments, fish bones, otoliths.	Downy pinning on brood patch.
033452	Trawler	1796	90	1	19/08/2003	Off Cape Foulwind	Southern cape pigeon	<i>Daption capense</i>	Immature	Male	5	Very yellow proventricular oil.	Worms, squid beak fragments, 1 pebble, 3 green plastic, 1 green string.	Downy brood patch.
033038	Trawler	1719	4	4	13/11/2002	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	2	Whole arrow squid.	Fish paste, lanternfish otoliths.	Matted downy brood patch.
033386	Joint venture tuna longliner	1762	1	15	17/04/2003	SW of Puysegur Point	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	5	Whole fish bait with hook attached (yellow-eyed mullet), mutton/beef fat bottom stomach.	Squid beak pair.	Mainly bare brood patch, some pins.
022867	Domestic bottom longliner	1701	80	1	12/10/2002	Bounty Platform	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	Whole pichard less head, bait?	Squid beaks.	Downy brood patch.
022902	Domestic bottom longliner	1708	44	1	20/10/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	Worms, 1 nematode cyst, Empty.	Squid beak fragments, worms.	Matted downy brood patch.
033215	Squid trawler	1752	6	1	8/03/2003	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Worms, Empty.	Squid beak.	Partly bare brood patch.
022900	Domestic bottom longliner	1708	132	1	14/11/2002	W Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	2	Worms, large piece fish gut offal, 2 large squid beaks.	Mainly worms, squid beak fragments.	Matted downy brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
33518	Domestic bottom longliner	1817	35	1	16/09/2003	W of Chatham Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	1	Empty.	Squid beak fragments, otoliths.	Downy brood patch, strong body moult.
33533	Domestic bottom longliner	1817	68	1	1/10/2003	Eastern Chatham Rise	White-faced storm petrel	<i>Pelagodroma marina</i>	Adult	Male	2	Empty.	2 tiny opaque white plastic pieces, 2 tiny white plastic pieces, 1 stone, 5 pieces pumice.	Downy brood patch with dark underdown.
33534	Domestic bottom longliner	1817	68	2	1/10/2003	Eastern Chatham Rise	White-faced storm petrel	<i>Pelagodroma marina</i>	Adult	Male	1	Empty.	Squid beak fragments, 5 otoliths, 4 pumice, 1 pebble, 2 opaque plastic, 1 red plastic.	Downy brood patch with dark underdown.
33523	Domestic bottom longliner	1822	104	1	20/10/2003	Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	4	Sand, 2 pieces fish oil, krill (c. 50).	Sand, 5 white, 10 yellow, 10 red plastic, 5 rocks.	Downy brood patch.
33520	Domestic bottom longliner	1822	104	2	20/10/2003	Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	krill (c. 75).	1 arrow squid, 3 green, 5 brown plastic, 1 rock.	Downy brood patch.
33524	Domestic bottom longliner	1822	108	1	21/10/2003	Off Puyssegur Point near Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	c. 1000 krill, 2 pieces of fish bait.	10 arrow squid, krill eyes, 2 Notable whiptails (<i>Coelorthincus innotabilis</i>), 4 green, 4 black plastic.	Downy brood patch.
33529	Domestic bottom longliner	1822	124	1	25/10/2003	Off Puyssegur Point near Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Empty.	2 arrow squid.	Downy brood patch.
33530	Domestic bottom longliner	1822	124	2	25/10/2003	Off Puyssegur Point near Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	1 piece of fish oil.	Plastic.	Downy brood patch.
33531	Domestic bottom longliner	1822	124	3	25/10/2003	Off Puyssegur Point near Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	Gemfish offal, 1 fish bait.	5 v small arrow squid, 15 yellow, 10 green, 10 brown plastic, 2 rocks.	Downy brood patch.
33532	Domestic bottom longliner	1822	124	4	25/10/2003	Off Puyssegur Point near Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	2 fish bait.	1 arrow squid, 2 white, 15 red plastic.	Downy brood patch.
33528	Domestic bottom longliner	1822	124	5	25/10/2003	Off Puyssegur Point near Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Empty.	2 arrow squid.	Downy brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
33521	Domestic bottom longliner	1822	125	1	25/10/2003	Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Gemfish offal, 1 fish bait.	20 small arrow squid, 1 white plastic.	Downy brood patch.
33522	Domestic bottom longliner	1822	140	1	28/10/2003	Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	Fish offal.	14 arrow squid.	Downy brood patch.
33535	Domestic bottom longliner	1822	142	4	29/10/2003	Solander Is	Common diving petrel	<i>Pelecanoides urinatrix</i>	Adult breeder	Male	4	Empty.	Small amount of proventricular oil.	Part bare with downy centre line.
33525	Domestic bottom longliner	1822	146	1	30/10/2003	Off Puyssegur Point near Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	1 piece fish bait.	2 arrow squid, 3 white, 15 yellow, 8 brown plastic, 3 rocks.	Downy brood patch.
33526	Domestic bottom longliner	1822	150	1	31/10/2003	Off Puyssegur Point near Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	2 fish bait, krill (c. 25).	1 white plastic.	Downy brood patch.
33527	Domestic bottom longliner	1822	150	2	31/10/2003	Off Puyssegur Point near Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	Empty.	2 arrow squid, 10 krill.	Downy brood patch.
33519	Domestic bottom longliner	1822	151	1	31/10/2003	Solander Is	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult	Male	1	1 fish bait.	Squid beak fragments, salp tests, seaweed, fish eyeball.	Downy brood patch.
33551	Domestic bottom longliner	1832	9	1	29/10/2003	W of Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	3 pieces fish offal, squid paste.	15 arrow squid, 2 white, 3 blue plastic.	Downy brood patch.
33540	Domestic bottom longliner	1832	9	2	29/10/2003	W of Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	3	Fish offal.	Full 5 white, 5 green, 10 brown plastic, 2 rocks.	Downy brood patch.
33543	Domestic bottom longliner	1832	9	3	29/10/2003	W of Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	1 arrow squid, c. 75 gammerid amphipods (c.f. <i>gandichaudii</i>).	2 white, 1 green, 1 red, 2 brown plastic.	Downy brood patch.
33550	Domestic bottom longliner	1832	9	4	29/10/2003	W of Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	2 pieces of bait fish, amphipods (c. 25 <i>Parathemisto gandichaudii</i>).	1 arrow squid.	Downy brood patch.
33544	Domestic bottom longliner	1832	9	5	29/10/2003	W of Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	3	Fish paste.	2 arrow squid, 2 white plastic.	Downy brood patch.
33548	Domestic bottom longliner	1832	9	6	29/10/2003	W of Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	2 pieces of bait fish.	10 arrow squid, 5 white, 10 green, 5 brown plastic.	Downy brood patch.
33570	Domestic bottom longliner	1832	16	1	30/10/2003	Off Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Krill (c. 500).	5 arrow squid, 2 red plastic.	Downy brood patch.
33589	Domestic bottom longliner	1832	24	1	21/1/2003	W of Solanders	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult	Male	1	2 well digested baits.	Squid beak fragments.	Downy brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
33590	Domestic bottom longliner	1832	24	2	2/11/2003	W of Solanders	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Female	2	2 well digested baits. proventricular oil.	Squid beak fragments, fish skin, salp tests, seaweed.	Downy brood patch.
33591	Domestic bottom longliner	1832	24	3	2/11/2003	W of Solanders	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Female	1	4 fish baits.	Squid beak fragments, worms, 1 piece brown plastic.	Downy brood patch.
33592	Domestic bottom longliner	1832	24	4	2/11/2003	W of Solanders	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Fish paste.	3 large stones, 10 white, 1 clear, 1 green, 10 red, 4 brown, 1 blue, 1 black plastic.	Downy brood patch.
33593	Domestic bottom longliner	1832	24	5	2/11/2003	W of Solanders	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	5 pieces of ?whiting offal.	1 white, 1 red, 1 brown plastic.	Downy brood patch.
33594	Domestic bottom longliner	1832	24	6	2/11/2003	W of Solanders	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	Fish offal.	2 arrow squid, 5 white, 2 green plastic.	Downy brood patch.
33595	Domestic bottom longliner	1832	24	7	2/11/2003	W of Solanders	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	3 pieces fish offal, 1 squid tentacle.	1 green plastic, 1 rock.	Downy brood patch.
33596	Domestic bottom longliner	1832	24	8	2/11/2003	W of Solanders	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Gemfish offal.	1 large arrow squid, otoliths, 5 yellow, 1 brown plastic, 2 rocks.	Downy brood patch.
33546	Domestic bottom longliner	1832	26	1	3/11/2003	W of Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	2 pieces of fish offal.	1 arrow squid, 1 rock.	Downy brood patch.
33561	Domestic bottom longliner	1832	26	1	3/11/2003	Off Solander Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	1 fish bait.	Squid beak fragments, rope fibre.	Downy brood patch.
33545	Domestic bottom longliner	1832	26	2	3/11/2003	W of Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	Kill paste.	5 arrow squid, 1 brown plastic.	Downy brood patch.
33562	Domestic bottom longliner	1832	26	3	3/11/2003	Off Solander Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Female	2	1 fish bait, 2 plant leaves (large straight leafy vegetation).	Squid beak fragments, 1 piece white plastic, 2 piece blue plastic.	Downy brood patch.
33552	Domestic bottom longliner	1832	27	1	4/11/2003	W of Solander Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Squid beak fragments, fish flesh—bait?	Squid beak fragments, fish bones, worms.	Downy brood patch.
33554	Domestic bottom longliner	1832	27	2	4/11/2003	W of Solander Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Small pieces fish flesh—bait?	Squid beak fragments, knotted piece of cord.	Downy brood patch.
33557	Domestic bottom longliner	1832	28	1	4/11/2003	Off Solander Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	2 fish baits.	Squid beak fragments, fish skin, worms.	Downy brood patch.
33558	Domestic bottom longliner	1832	28	2	4/11/2003	Off Solander Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	Empty.	Squid beak fragments, squid eyeballs, salp tests, bile, few worms.	Matted downy brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
33559	Domestic bottom longliner	1832	28	3	4/11/2003	Off Solander Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	Empty.	Squid beak fragments, 2 pieces large fish bone, 1 red plastic pellet, worms, sea weed.	Matted downy brood patch.
33560	Domestic bottom longliner	1832	28	4	4/11/2003	Off Solander Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	2 fish bait.	Squid beak fragments, otolith, worms, seaweed.	Downy brood patch. Trace of body moult at neck.
33542	Domestic bottom longliner	1832	30	1	5/11/2003	W of Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Squid paste.	2 arrow squid, 3 yellow, 3 green plastic.	Partly matted downy brood patch.
33566	Domestic bottom longliner	1832	32	1	6/11/2003	Off Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	3 fish baits.	3 black plastic.	Downy brood patch.
33567	Domestic bottom longliner	1832	32	2	6/11/2003	Off Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	4 fish baits.	7 arrow squid, 1 brown, 1 black plastic, 3 rocks.	Downy brood patch.
33568	Domestic bottom longliner	1832	32	3	6/11/2003	Off Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	1 larger squid (<i>Moroteuthis</i>), 1 piece nylon, 10 cm, fish and squid paste.	15 arrow squid, 5 white, 5 green, 5 brown plastic.	Downy brood patch.
33569	Domestic bottom longliner	1832	32	4	6/11/2003	Off Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	3 pieces fish offal, 2 squid pieces (no beaks).	5 squid eyes, 3 arrow squid.	Downy brood patch.
33556	Domestic bottom longliner	1832	32	5	6/11/2003	W of Solander Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	Proventricular oil, 1 sarp bait, 2 fish bait.	Squid beak fragments, squid eyeballs, sarp tests, .small pebble	Downy brood patch.
33541	Domestic bottom longliner	1832	34	1	7/11/2003	W of Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	Fish offal (digested).	5 arrow squid.	Downy brood patch.
33565	Domestic bottom longliner	1832	34	1	7/11/2003	Off Solander Is	Southern cape pigeon	<i>Daption capense</i>	Sub-adult	Female	1	Fish sludge.	Squid beak fragments, worms, 4 seed, 2 small pebbles.	Downy brood patch.
33538	Domestic bottom longliner	1832	36	1	8/11/2003	W of Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Empty	10 arrow squid, 1 blue plastic.	Downy brood patch.
33553	Domestic bottom longliner	1832	36	1	8/11/2003	W of Solander Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	1 fish bait—top of stomach. Large fish bones—offal bottom stomach. Little proventricular oil.	Otoliths, squid beak fragments, fish skins.	Downy brood patch.
33547	Domestic bottom longliner	1832	36	2	8/11/2003	W of Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	2 large pieces of fish off cuts offal.	2 arrow squid, 1 rock.	Downy brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
33564	Domestic bottom longliner	1832	36	2	8/11/2003	Off Solander Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	2 fish bait, well digested.	Squid beak fragments, squid eyeballs, worms.	Downy brood patch.
33539	Domestic bottom longliner	1832	36	3	8/11/2003	W of Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Fish paste (offal).	3 arrow squid, 3 granitic rocks.	Downy brood patch.
33563	Domestic bottom longliner	1832	36	3	8/11/2003	Off Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Empty.	Squid beak fragments, squid eyeballs, seaweed, worms.	Downy brood patch. Trace of body moult at neck.
33549	Domestic bottom longliner	1832	36	4	8/11/2003	W of Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	Fish paste.	2 arrow squid, 3 green, 1 brown plastic.	Downy brood patch.
33537	Domestic bottom longliner	1832	36	5	8/11/2003	W of Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	2 gemfish offal.	5 arrow squid, 5 lanternfish, 5 white, 18 green plastic, 2 pieces wood.	Partly matted downy brood patch.
33575	Domestic bottom longliner	1832	38	1	9/11/2003	Off Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Tail of ?whiting (bait), c. 50 <i>Parathemisto gandchaudii</i> , 2 v. small lanternfish.	10 krill, 30 lanternfish otoliths (v small), 1 arrow squid.	Downy brood patch.
33576	Domestic bottom longliner	1832	38	2	9/11/2003	Off Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Fish paste, nematode cyst.	2 arrow squid, 8 clear, 1 brown plastic.	Downy brood patch.
33577	Domestic bottom longliner	1832	38	3	9/11/2003	Off Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Fish paste.	2 large arrow squid, 2 red cod (<i>Pseudophycis</i>) otoliths (inshore species), 2 brown plastic, 1 nylon cord.	Downy brood patch.
33571	Domestic bottom longliner	1832	40	1	10/11/2003	Off Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	1 piece of fish offal, c. 100 <i>Parathemisto gandchaudii</i> .	1 arrow squid, 2 white, 2 yellow, 5 green, 5 brown, 4 black plastic.	Matted downy brood patch.
33572	Domestic bottom longliner	1832	40	2	10/11/2003	Off Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	?Whiting offal (5 pieces).	10 arrow squid, 10 white plastic.	Downy brood patch.
33573	Domestic bottom longliner	1832	40	3	10/11/2003	Off Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	3 pieces fish offal.	25 lanternfish otoliths, 1 arrow squid.	Downy brood patch.
33574	Domestic bottom longliner	1832	40	4	10/11/2003	Off Solander Is	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	<i>Parathemisto gandchaudii</i> (c. 200).	<i>Parathemisto gandchaudii</i> plastic, 1 rock.	Downy brood patch.
33555	Domestic bottom longliner	1832	64	1	22/11/2003	W of Solander Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	4	Large fish bones—offal (bottom of stomach), 1 fish bait—top of stomach.	Squid beak fragments, otoliths, fish bones, fish eyeballs, fish skins.	Bare brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (d/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
33588	Domestic bottom longliner	1837	22	1	1/12/2003	S of Bounty Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	4	3 moderately digested baits.	Squid beak fragments, otoliths, fish skin.	Bare brood patch with downy centre line.
33580	Domestic bottom longliner	1837	24	2	1/12/2003	S of Bounty Is	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Male	1	1 nematode cyst. Empty.	1 small squid eyeball.	Mainly bare brood patch, some pinning.
33587	Domestic bottom longliner	1837	37	1	5/12/2003	N edge Bounty Platform	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	3	4 well-digested baits.	Squid beak fragments, otoliths, fish skin.	Bare brood patch with downy centre line.
33579	Domestic bottom longliner	1837	42	1	7/12/2003	Off Bounty Is	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Male	2	2 fish bait, 4 nematode cysts.	Empty.	Bare brood patch.
43607	Domestic bottom longliner	1850	164	1	9/02/2004	Off Bounty Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Sub-adult	Male	3	Fish bait 1, partly digested worms.	Squid beak fragments, otoliths, 2 fish bones.	Mostly downy brood patch. Some body moult.
43599	Domestic bottom longliner	1850	168	1	11/02/2004	Off Bounty Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	Proventricular oil.	Squid beak fragments, small pebble, squid eyeballs, small piece string.	Brood patch with some pinning.
43602	Domestic bottom longliner	1850	177	1	13/02/2004	Off Bounty Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	Fish bait 2, proventricular oil.	Squid beak fragments, worms.	Part bare brood patch, remainder mostly pinning.
43604	Domestic bottom longliner	1850	177	2	13/02/2004	Off Bounty Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	Fish bait 2 proventricular oil.	Squid beak fragments, fish bones, 2 otoliths.	Bare brood patch with pinning.
43605	Domestic bottom longliner	1850	177	3	13/02/2004	Off Bounty Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	Fish bait 3 proventricular oil.	Squid beak fragments, few worms	Bare brood patch with pinning. Some body moult.
43600	Domestic bottom longliner	1850	183	1	15/02/2004	Off Bounty Is	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	Offal—fish bones, worms, eyeballs.	Squid beak fragments, fish bones, worms, fish eyeballs.	Matted downy brood patch, some pinning.
43611	Snapper bottom longliner	1851	6	1	9/02/2004	Off Kaipara Harbour	Black petrel	<i>Procellaria parkinsoni</i>	Adult breeder	Male	2	3 squid bait pieces.	Squid beak fragments, small pebble.	Bare brood patch with downy central stripe, some pinning beginning.
43928	Domestic bottom longliner	1871	4	1	3/21/2003	Off Cape Reinga	Fluttering shearwater	<i>Puffinus gavia</i>	Adult	Male	1	Krill paste.	Krill paste.	Downy pins on brood patch.
43942	Domestic bottom longliner	1871	5	1	4/12/2003	Off 90 Mile Beach	Pied shag	<i>Phalacrocorax varius</i>	Adult	Male	3	Empty.	Empty.	Downy.
43610	Snapper bottom longliner	1885	50	1	28/01/2004	Off Little Barrier Island	Flesh-footed shearwater	<i>Puffinus carneipes hullianus</i>	Adult breeder	Male	1	Empty.	Otoliths, squid beak fragments, squid eyeballs.	Mostly downy brood patch with downy central stripe.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43843	Domestic bottom longliner	1920	6	28	4/04/2004	W of Dusky Sound	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Male	2	Empty.	Seaweed.	Bare brood patch.
43838	Domestic bottom longliner	1920	6	29	4/04/2004	W of Fiordland	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	Empty. 1 nematode cyst.	Worms.	Central part brood patch bare, some pinning.
43910	Domestic bottom longliner	1920	33	292	2/05/2004	Off Fiordland	White-capped albatross	<i>Thalassarche steadi</i>	Immature	Male	3	Empty.	Empty.	Downy brood patch. Strong body moult. Outer 3 primaries old.
43903	Domestic bottom longliner	1920	33	293	2/05/2004	W of Fiordland	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	3	Empty.	Goose barnacle.	Bare brood patch with few pins.
43904	Domestic bottom longliner	1920	33	294	2/05/2004	W of Fiordland	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	3	Empty.	2 squid eyeballs.	Bare brood patch.
43902	Domestic bottom longliner	1920	33	295	2/05/2004	W of Fiordland	Campbell albatross	<i>Thalassarche impavida</i>	Immature	Male	1	Empty.	Squid beaks.	Downy brood patch. Strong body moult. Outer 3 primaries old.
43887	Domestic bottom longliner	1934	10	996	9/5/2004	SE of Cape Kidnappers	White-capped albatross	<i>Thalassarche steadi</i>	Immature	Male	1	Empty	1 pair squid beaks, pair squid eyeballs, pair otoliths	Downy brood patch
43929	Domestic bottom longliner	1937	13	67	1/06/2004	Off Westport	Light-mantled sooty albatross	<i>Phoebastria palpebrata</i>	Adult	Male	4	Empty.	Empty.	Downy brood patch. Heavy body moult.
43937	Domestic bottom longliner	1937	13	69	1/06/2004	W of Westport	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	2	Large fish bones—offal.	Piece wood, 2 large otoliths, small fish eyeballs.	Brood patch gone.
43936	Domestic bottom longliner	1937	13	70	1/06/2004	W of Westport	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Un-known	2	Gone.	Gone.	Downy brood patch. Trace of body moult. L and R primaries 4–7 quarter grown.
43940	Domestic bottom longliner	1937	13	72	1/06/2004	W of Greymouth	Westland petrel	<i>Procellaria westlandica</i>	Adult	Female	2	Empty.	Proventricular oil. Otoliths, squid beak fragments.	Mainly bare brood patch with downy centre line.
43934	Domestic bottom longliner	1937	15	99	3/06/2004	W of Greymouth	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	1	Empty, 1 nematode cyst.	Tiny fish bones and fish eyeballs.	Mainly bare pinning on brood patch.
43924	Domestic bottom longliner	1937	15	103	3/06/2004	W of Westport	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	3	Gone.	Gone.	Mainly bare, some pins.
43933	Domestic bottom longliner	1937	16	112	4/06/2004	W of Westport	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	1	Few fish vertebrae—ball? 1 nematode cyst.	1 fish eyeball.	Mainly bare with some downy pins. Trace of body moult.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43886	Domestic bottom longliner	1949	3	8	5/06/2004	E of Cape Kidnappers	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Female	1	1 piece squid flesh, squid rays.	Squid beak fragments, proventricular oil.	Mainly bare brood patch with downy centre line.
43901	Domestic bottom longliner	1949	5	18	10/06/2004	E of Mahia Peninsula	Black-browed albatross	<i>Thalassarche melanophrys</i>	Adult	Female	4	Empty.	Empty.	Downy brood patch. Moderate body moult. Heavy tail moult.
43885	Domestic bottom longliner	1949	5	25	10/06/2004	E of Cape Kidnappers	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Female	1	Empty.	Squid beak fragments, squid eyeballs, 2 pieces white plastic.	Mainly bare brood patch with some pins.
43941	Domestic bottom longliner	1955	2	6	4/07/2004	SW of Mahia Peninsula	Grey petrel	<i>Procellaria cinerea</i>	Adult	Female	3	Proventricular oil.	Proventricular oil, many small otoliths.	Matted downy brood patch.
43907	Joint venture tuna longliner	1918	2	18	3/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Gone.	Gone.	Mainly bare brood patch, some pinning.
43909	Joint venture tuna longliner	1918	3	11	4/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	Empty, 4 nematode cysts.	Empty.	Mainly bare, few long pins on brood patch.
43906	Joint venture tuna longliner	1918	4	35	5/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	3	Empty.	Goose barnacles, seaweed.	Partly bare, part grown pins. Outer 3 primaries old.
43911	Joint venture tuna longliner	1918	4	36	5/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	Fish bones and piece of gut—offal.	Cut fish bones—offal.	Downy brood patch. Outer 3 primaries old.
43912	Joint venture tuna longliner	1918	4	41	5/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	Squid beaks, squid flesh.	Squid beaks.	Bare brood patch.
43908	Joint venture tuna longliner	1918	6	78	7/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	1 squid bait with hook attached.	Fish bone.	Downy brood patch.
43913	Joint venture tuna longliner	1918	7	114	8/04/2004	SW of Fiordland	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult	Male	3	Empty.	Squid beak fragments, seaweed, salp tests.	Matted downy brood patch. Heavy body moult.
43905	Joint venture tuna longliner	1918	85	912	29/06/2004	100 km off Hokitika	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	1	Remains of large squid, tentacles, buccal mass—bottom of stomach. Fish bait—top of stomach.	Squid beak fragments, salp tests, 1 fish otolith.	Downy brood patch. Trace of body moult.
43915	Joint venture tuna longliner	1919	3	13	4/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	4	Squid rays, squid flesh.	Seaweed, small squid eyeballs.	Downy brood patch. Trace of body moult. Outer 3 primaries old.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43939	Joint venture tuna longliner	1919	4	27	5/04/2004	S of The Snares	White-capped petrel	<i>Procellaria aequinoctialis</i>	Adult	Female	2	Proventricular oil, fish flesh and large fish eyeballs—offal.	Proventricular oil, squid beak fragments.	Downy brood patch. Trace of body moult.
43917	Joint venture tuna longliner	1919	4	29	5/04/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	2	Empty. 1 nematode cyst.	Empty.	Downy brood patch.
43914	Joint venture tuna longliner	1919	4	30	5/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	Empty. 1 nematode cyst.	Squid beak fragment.	Downy pins on brood patch.
43931	Joint venture tuna longliner	1919	8	125	9/04/2004	SW of Puysegur Point	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	2	Piece of barnacle shell.	Seaweed, goose barnacle shell.	Bare brood patch.
43920	Joint venture tuna longliner	1919	94	1382	6/07/2004	Off Greymouth	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	3	1 whole fish bait, 1 head of fish—bait, yellow-eyed mullet.	Pair of small squid beaks.	Downy brood patch.
43916	Joint venture tuna longliner	1928	16	142	3/05/2004	Off Fiordland	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	Empty. 1 nematode cyst.	Empty.	Downy brood patch. Outer 3 primaries old.
43923	Joint venture tuna longliner	1928	16	149	3/05/2004	Off Fiordland	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	1	Partly digested fish bait.	Seaweed, fish flesh.	Bare brood patch, few pins.
43921	Joint venture tuna longliner	1928	16	150	3/05/2004	Off Fiordland	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Male	1	Seaweed, goose barnacle shell.	Goose barnacle.	Bare brood patch.
43946	Joint venture tuna longliner	1928	16	151	3/05/2004	Off Fiordland	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Male	1	1 whole fish bait.	Empty.	Mainly bare brood patch with a few pins.
43922	Joint venture tuna longliner	1928	17	154	4/05/2004	Off Fiordland	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	1	Empty.	Fish flesh—bait?	Mainly bare brood patch, some pins.
43944	Joint venture tuna longliner	1928	17	159	4/05/2004	Off Fiordland	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	1	Goose barnacle shell.	Seaweed, goose barnacle shell.	Mainly bare brood patch with few pins.
43919	Joint venture tuna longliner	1928	18	165	5/05/2004	Off Fiordland	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	1	1 whole fish bait, hook attached (yellow eyed mullet).	Empty.	Bare brood patch. Outer 3 primaries old.
43945	Joint venture tuna longliner	1928	20	179	7/05/2004	Off Fiordland	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	1	Empty.	2 pairs squid beaks, tiny piece green plastic rope.	Bare brood patch.
43918	Joint venture tuna longliner	1928	45	456	1/06/2004	Off Fiordland	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	2	Empty.	Empty.	Brood patch missing, strong body moult.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (d/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43926	Joint venture tuna longliner	1928	47	484	3/06/2004	Off Fiordland	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Female	1	Gone.	Gone.	Brood patch gone.
43935	Joint venture tuna longliner	1932	5	64	30/04/2004	W of Haast	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Male	1	Large fish intestine—offal.	Fish intestine—offal.	Bare brood patch. 3rd primary old.
43938	Joint venture tuna longliner	1932	66	687	30/06/2004	W of Westport	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	2	Empty.	Empty.	Downy brood patch. Trace of body moult.
43932	Joint venture tuna longliner	1932	66	688	30/06/2004	W of Westport	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	1	Empty. 3 nematode cysts.	Wood bark.	Mostly downy, small patch downy pins in centre.
43947	Joint venture tuna longliner	1932	66	689	30/06/2004	Off Greymouth	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Female	1	Piece squid flesh—bait? 2 nematode cysts.	Goose barnacle.	Down brood patch.
43930	Joint venture tuna longliner	1932	67	703	1/07/2004	WNW Greymouth	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Female	4	Squid beak, squid bait.	Squid beak fragments.	Downy brood patch. Moderate body moult. Outer 3 primaries old.
33517	Scampi trawler	1826	30	1	11/10/2003	NW of Chatham Is	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Male	5	Squid beak, fish bones and otoliths—bottom of stomach, fish flesh and skin of otal—top of stomach.	Squid beaks, fish bones, otoliths, eyeballs.	Bare brood patch.
33515	Scampi trawler	1826	51	1	17/10/2003	East of Kaikoura	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Female	2	Fish skin and guts otal. 1 fish discard 350 mm.	Otoliths, fish bones, eyeballs.	Downy brood patch.
33516	Scampi trawler	1826	52	1	17/10/2003	East of Kaikoura	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Female	5	Fish bones, otoliths, remains 1 rattail, 1 redbait.	Otoliths, fish bones, fish eyeballs.	Bare brood patch.
33598	Scampi trawler	1831	35	1	3/11/2003	Off Auckland Islands	Southern cape pigeon	<i>Daption capense</i>	Adult breeder	Male	4	Proventricular oil.	Feathers, 6 pebbles, scampi claw, 1 large piece yellow plastic, 1 piece black plastic.	Bare brood patch.
33586	Scampi trawler	1831	36	1	4/11/2003	N of Auckland Islands	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult	Male	1	Empty.	Squid beak fragments, otoliths, 3 pieces white plastic sheet.	Downy brood patch.
33597	Scampi trawler	1831	47	1	7/11/2003	Off Auckland Islands	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	1 arrow squid (tentacles and head).	Otoliths from 1 Oliver's rattail, 1 arrow squid.	Downy brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
33584	Scampi trawler	1831	97	1	30/11/2003	E of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	?Female	Unknown	5 rattails up to 350 mm long.	1 fish eyeball.	Gone.
43621	Squid trawler	1852	72	1	6/02/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	1 squid head and guts including tentacles, offal.	Squid eyeballs, squid flesh, worms.	Bare brood patch.
43665	Squid trawler	1854	13	1	21/02/2004	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Unknown	Unknown	Unknown	Gone.	Gone.	Gone.
43896	Squid trawler	1854	38	1	29/04/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	2	6 squid tentacles sets—small offal.	Squid beaks, 24 squid eyeballs, 1 buccal mass.	Downy brood patch. Outer 3 primaries old.
43833	Squid trawler	1854	74	1	8/02/2004	S W of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Unknown	Unknown	Unknown	Gone.	Gone.	Gone.
43835	Squid trawler	1854	80	1	11/02/2004	S W of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Unknown	Male	Unknown	Gone.	Gone.	Outer 3 primaries old.
43677	Squid trawler	1854	81	1	11/02/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	Unknown	Gone.	Gone.	Gone.
43693	Squid trawler	1854	142	1	8/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Unknown	Unknown	Unknown	Gone.	Gone.	Gone.
43865	Squid trawler	1854	148	1	10/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	4	Empty.	Empty.	Part bare, mostly pinning on brood patch. Heavy body moult.
43676	Squid trawler	1854	149	1	10/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	Unknown	Gone.	Gone.	Brood patch missing. Heavy body moult.
43672	Squid trawler	1854	149	2	10/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Female	2	2 squid heads, no eyeballs, beaks or tentacles—offal, 1 fish vertebrate.	Few small fish bones.	Downy brood patch. Outer primary missing R wing.
43859	Squid trawler	1854	155	1	12/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	1	Many pieces fish cartilage—bottom, offal. Squid tentacle set and squid mantle.	Fish skin.	Part bare pinning brood patch. Some body moult. Outer 3 primaries old.
43895	Squid trawler	1854	163	1	15/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	2	Gone.	Gone.	Bare brood patch.
43894	Squid trawler	1854	164	1	15/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	2	Empty, 2 nematode cysts.	Empty.	Mainly bare, some downy pins on brood patch.
43686	Squid trawler	1854	168	1	17/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	Empty, but holed.	Empty, but holed.	Bare brood patch, some pinning.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43673	Squid trawler	1854	185	1	22/03/2004	S of The Snarres	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	Empty.	Squid flesh offal.	Downy pinning on brood patch. Heavy body moult.
43699	Squid trawler	1854	195	1	25/03/2004	S of The Snarres	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	3	1 arrow squid.	5 arrow squid.	Downy pinning on brood patch.
43730	Squid trawler	1854	198	1	26/03/2004	S of The Snarres	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Fish, squid, paste. <i>Garrnarid</i> amphipods large (c.f. <i>P. gandichaudii</i> , c. 110).	2 arrow squid.	Mostly pinning on brood patch.
43725	Squid trawler	1854	198	2	26/03/2004	S of The Snarres	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Bilious paste.	Empty, bile.	Downy brood patch.
43729	Squid trawler	1854	196	3	26/03/2004	S of The Snarres	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	1 large arrow squid head and beaks (offal).	Empty.	Downy brood patch.
43724	Squid trawler	1854	202	1	27/03/2004	S of The Snarres	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Fish paste.	Empty.	Downy brood patch.
43628	Squid trawler	1856	17	1	17/01/2004	S of The Snarres	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	3 squid tentacle clusters and eyeballs at bottom. 1 large fish head—offal. 1 squid tentacle cluster at top.	Squid beaks, 5 pairs of squid eyeballs.	Mostly bare brood patch, some pinning.
43635	Squid trawler	1856	22	2	28/01/2004	S of The Snarres	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	5	Fish head—offal.	Fish eyeballs, fish skin, squid beaks, squid eyeballs.	Bare pinning brood patch.
43634	Squid trawler	1856	30	1	31/01/2004	S of The Snarres	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	Fish bones—offal.	Fish bones, squid beak fragments, squid eyeballs.	Bare brood patch.
43633	Squid trawler	1856	33	4	1/02/2004	S of The Snarres	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	2	4 squid heads—offal and extra eyeballs (no tentacles or guts).	Squid beaks and eyeballs.	Bare brood patch, some pinning.
43603	Squid trawler	1856	37	5	3/02/2004	Off The Snarres	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	Empty.	Squid beak fragments, few worms.	Part bare brood patch, remainder mostly pinning. Heavy body moult. Some tail moult.
43601	Squid trawler	1856	37	6	3/02/2004	Off The Snarres	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	3	Squid offal—top of stomach.	Bile, worms, few squid beaks.	Part bare brood patch, remainder mostly pinning.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43626	Squid trawler	1858	6	1	30/01/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	2 fish heads (silver warehous <i>Seriola punctata</i>)—bottom of stomach, offal. 5 squid body bits and tentacle sets.	5 pairs squid eyeballs.	Bare brood patch. Worn tail.
43627	Squid trawler	1860	13	1	29/01/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	3	Small amount of fish guts—offal.	Fish guts—offal.	Bare brood patch.
43624	Squid trawler	1860	28	1	4/02/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Unknown	Unknown	Gone.	Gone.	Gone.
43629	Squid trawler	1860	35	1	7/02/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	Proventricular oil, 4 squid heads and guts—offal. 1 mantle and some loose tentacle sets.	Empty.	Bare brood patch, some pinning.
43618	Squid trawler	1860	45	1	10/02/2004	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Krill paste.	1 yellow plastic.	Downy brood patch. Some body moult.
43609	Squid trawler	1860	52	1	13/02/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Unknown	?Male	Unknown	Gone.	Gone.	Gone.
43615	Squid trawler	1863	19	1	11/02/2004	Off The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	2	Fish offal, skin, 5 arrow squid.	Fish skin, 25 arrow squid (small).	Part bare brood patch, pinning with downy central stripe.
43617	Squid trawler	1863	21	1	12/02/2004	Off The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	Empty.	1 arrow squid, 1 white, 2 yellow plastic, 1 wood.	Downy brood patch.
43631	Squid trawler	1863	30	1	16/02/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	3 whole but broken-up squid (discards?).	1 squid beak fragment.	Mostly large pinning on brood patch. Heavy body moult.
43616	Squid trawler	1863	43	1	20/02/2004	Off The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	1	Squid head and offal.	8 arrow squid.	Part bare brood patch.
43606	Squid trawler	1863	45	1	21/02/2004	Off The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	1	Squid head and guts—no tentacles—offal. Proventricular oil.	Squid beak fragments, few worms.	Bare brood patch with pinning. Heavy body moult.
43614	Squid trawler	1863	58	1	16/02/2004	Off The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	2 pieces offal.	1 basaltic rock.	Downy brood patch.
43620	Squid trawler	1864	37	1	21/02/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult non-breeder	Female	2	Empty.	Squid beaks, fish bone, bile.	Downy brood patch. Some body moult.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43619	Squid trawler	1864	38	1	21/02/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult non-breeder	Male	2	1 whole arrow squid—top. Squid ofal bits and beaks—bottom.	Squid beaks and eyeballs.	Half bare brood patch.
43625	Squid trawler	1864	42	1	22/02/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	3	2 squid heads and guts in mouth—ofal. 2 partly digested whole squid and baits in stomach.	Empty.	Bare brood patch some small pinning.
43758	Squid trawler	1864	72	1	14/03/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	3	1 nematode cyst. Empty.	Empty.	Half grown pins on brood patch. Outer 3 primaries old and worn.
43686	Squid trawler	1866	48	1	28/02/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Kill. squid tentacles, fish bones (ofal).	Kill. fish bones and vertebrate.	Mostly bare pinning on brood patch.
43685	Squid trawler	1866	48	2	28/02/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	1 squid head less eyes and beak. Ofal throat.	Empty.	Part bare pinning brood patch. Some body moult.
43751	Squid trawler	1893	38	1	2/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	2 squid heads and guts. 5 squid buccal assorted tentacles—ofal.	1 squid beak.	Downy brood patch.
43720	Squid trawler	1893	60	1	8/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Gone.
43752	Squid trawler	1893	78	1	14/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Outer 3 primaries old and worn.
43612	Squid trawler	1897	2	1	23/02/2004	Off The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	Squid paste.	Squid ofal, 1 arrow squid.	Downy brood patch.
43623	Squid trawler	1897	10	1	28/02/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	Empty.	2 squid eyeballs, some flesh.	Partly bare brood patch, some pinning.
43650	Squid trawler	1898	9	1	25/02/2004	N of Auckland Islands	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	Proventricular oil, fish ofal—bones and flesh.	Worms, squid beak fragments, squid eyeballs.	Downy brood patch, some body moult.
43636	Squid trawler	1898	13	1	26/02/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	Empty.	Empty.	Downy brood patch.
43682	Squid trawler	1898	36	1	4/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	1	4 squid heads and loose tentacles—ofal.	Squid beak.	Part bare pinning brood patch. Outer 3 primaries old and worn.
43688	Squid trawler	1898	57	1	11/03/2004	N of Auckland Islands	Grey-backed storm petrel	<i>Oceanites nereis</i>	Immature	Male	2	Empty.	2 very small fish otoliths.	Downy brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43691	Squid trawler	1898	62	1	12/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	Un-known	2	Gone.	Gone.	Gone.
43647	Squid trawler	1898	85	1	18/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Gone.
43642	Squid trawler	1898	86	1	18/03/2005	N of Auckland Islands	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	4 squid tentacles, (12-18 cm long) offal?, not arrow squid.	4 arrow squid, paste.	Downy brood patch.
43630	Squid trawler	1900	17	1	5/03/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	3	2 whole squid (discard).	Egg(?) shell.	Mostly pinning brood patch.
43641	Squid trawler	1902	3	1	29/02/2004	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Female	1	Empty.	1 arrow squid, 1 brown plastic, 3 rocks.	Downy brood patch.
43697	Squid trawler	1902	8	1	2/03/2004	S of The Snares	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Male	1	2 squid head and guts—offal.	Squid beaks and eyeballs, worms.	Bare brood patch.
43664	Squid trawler	1902	13	1	3/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	1 squid head and guts in mouth, Squid tentacles—offal.	Squid eyeballs.	Mostly bare pinning on brood patch. Some body moult. Outer 3 primaries old.
43763	Squid trawler	1902	14	1	4/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	2	3 squid head and guts—offal.	Seaweed, bile.	Mainly bare brood patch. Outer 3 primaries old and worn.
43717	Squid trawler	1902	15	1	4/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	3	4 squid heads and guts, 2 buccal parts squid offal.	Empty.	Mostly pinning brood patch. Some body moult.
43718	Squid trawler	1902	15	2	4/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	2	3 squid heads and guts—offal.	Empty.	Downy brood patch, 3rd primary both wings old and worn.
43712	Squid trawler	1902	16	1	4/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	2	1 squid head and guts—offal.	Empty.	Part bare downy pinning on brood patch. Some body moult. R wing 2nd new 1st and 3rd worn. L wing outer 3 primaries worn.
43684	Squid trawler	1902	25	1	7/03/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Female	1	3 squid head and guts—offal.	Empty.	Part bare brood patch.
43679	Squid trawler	1902	25	2	7/03/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	Squid guts offal.	Empty.	Downy brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43715	Squid trawler	1902	29	1	8/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	3	3 squid head and guts—offal.	Empty.	Part bare pinning brood patch.
43867	Squid trawler	1902	32	1	8/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	3 squid heads—offal.	2 squid eyeballs.	Mostly bare pinning brood patch. Some body moult.
43663	Squid trawler	1902	35	1	09/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	3 squid head and guts offal.	Squid beaks, eyeballs, fish vertebrae.	Downy pinning on brood patch. Trace of body moult. Outer 3 primaries old.
43648	Squid trawler	1902	35	1	09/03/2004	Off Auckland Islands	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	1	Squid flesh.	Squid beak fragments, squid eyeballs, squid flesh.	Downy brood patch. Some tail moult, heavy body moult.
43649	Squid trawler	1902	36	1	09/03/2004	Off Auckland Islands	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	Proventricular oil, squid offal.	Squid beak fragments, squid eyeballs, few worms.	Downy pinning on brood patch. Some body moult.
43678	Squid trawler	1902	37	1	10/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	4	2 squid heads and guts, no tentacles—offal.	Squid beaks, eyeballs, flesh.	Part bare pinning brood patch. Some body moult.
43868	Squid trawler	1902	38	1	10/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	2	Empty, 3 nematode cysts.	Squid beak fragments, squid eyeballs.	Mainly bare pins on brood patch. Outer 3 primaries old.
43837	Squid trawler	1902	43	1	11/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	3	1 squid head and guts—offal.	6 pairs squid eyeballs, 1 squid beak fragment.	Central part brood patch bare pinning. Heavy body moult. Outer 3 primaries old.
43836	Squid trawler	1902	43	2	11/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	2	Holed and gone.	Gone.	Bare brood patch.
43714	Squid trawler	1902	59	1	16/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	3	1 squid head and guts—offal.	Squid eyeballs.	Mostly bare brood patch with some pinning.
43710	Squid trawler	1902	59	2	16/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	3	1 squid head and guts—offal.	Worms, Squid beak, squid eyeballs.	Downy pins on brood patch. Some body moult.
43696	Squid trawler	1903	3	1	7/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Female	2	3 squid head and guts offal.	Pair of squid beaks and small squid eyeballs.	Part bare brood patch with a few pins. Outer 3 primaries old and worn.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43893	Squid trawler	1903	4	1	7/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	3 buccal cases (squid), bits of squid flesh	Salp tests.	Mainly bare, some downy pins on brood patch.
43661	Squid trawler	1903	4	1	7/03/2004	N of Auckland Islands	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult breeder	Female	1	Proventricular oil, small amount of squid flesh.	Worms, Squid beak fragments, small black plastic cog from sewage plant.	Downy pinning brood patch, moderate body moult.
43652	Squid trawler	1903	6	1	8/03/2004	N of Auckland Islands	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult breeder	Female	1	Proventricular oil, squid head including tentacles—offal.	Squid beak fragments.	Downy brood patch. Some body moult. Some tail moult.
43638	Squid trawler	1903	20	1	12/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Immature	Male	2	Empty.	Empty.	Downy brood patch. Heavy body moult. Outer 3 primaries very worn, some tail moult.
43643	Squid trawler	1903	22	1	12/03/2004	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	C. 75 <i>Parathemisto ganotichaudii</i> , squid paste, 1 arrow squid (offal).	3 arrow squid.	Downy brood patch.
43640	Squid trawler	1903	22	2	12/03/2004	N of Auckland Islands	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Fish paste.	1 lanternfish otolith, fish paste.	Downy brood patch.
43644	Squid trawler	1903	22	3	12/03/2004	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	Gone.	Empty.	Downy brood patch. Some body moult.
43645	Squid trawler	1903	23	1	12/03/2004	N of Auckland Islands	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	Gone.	Gone.	Downy brood patch.
43761	Squid trawler	1903	24	1	13/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	2 sets squid tentacles, 3 buccal, 2 squid heads and guts—offal.	Goose barnacle, squid eyeballs, squid flesh.	Bare brood patch. Outer 3 primaries old and worn.
43892	Squid trawler	1903	31	1	15/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	Squid tentacle—offal.	Empty.	Part downy, some pins on brood patch.
43639	Squid trawler	1903	33	1	15/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	2	Empty.	Empty.	Mainly bare brood patch.
43654	Squid trawler	1903	36	1	16/03/2004	N of Auckland Islands	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult breeder	Male	3	Squid flesh offal.	Squid beak fragments.	Downy brood patch. Some tail moult, heavy body moult.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43653	Squid trawler	1903	52	1	21/03/2004	N of Auckland Islands	White-capped petrel	<i>Procellaria aequinoctialis</i>	Adult breeder	Male	2	Squid offal—head and 1 tentacle. Proventricular oil.	Squid beak fragments, squid eyeballs, few worms.	Downy pinning brood patch, moderate body moult, some tail moult.
43670	Squid trawler	1904	5	2	8/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult non-breeder	Male	1	2 squid heads, no eyeballs, beaks or tentacles—offal.	4 squid eyeballs, 1 small squid beak.	Partly bare brood patch.
43659	Squid trawler	1904	7	3	8/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Female	2	Empty.	Worms.	Partly bare brood patch.
43657	Squid trawler	1904	7	5	8/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	2	Fish head (red cod <i>Pseudophycis bachus</i>) offal.	Empty.	Bare brood patch with some slight pinning.
43658	Squid trawler	1904	7	6	28/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	4 squid heads—offal.	Squid eyeballs.	Downy pinning brood patch.
43667	Squid trawler	1904	7	7	8/03/2004	W of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult non-breeder	Female	1	Empty but holed.	Pair of squid beaks.	Downy brood patch, some pinning.
43698	Squid trawler	1904	7	8	8/03/2004	S of Auckland Islands	White-capped petrel	<i>Procellaria aequinoctialis</i>	Adult breeder	Male	2	Proventricular oil, squid tentacles—offal.	Squid beak fragments, squid flesh, few worms.	Downy brood patch.
43694	Squid trawler	1904	7	5A	8/03/2004	S of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Gone.
43695	Squid trawler	1904	7	5B	8/03/2004	S of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Gone.
43663	Squid trawler	1904	11	8	10/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	2 rattail discards. Large amount of fish offal.	Fish eyeballs, small fish bones.	Bare brood patch, mostly pinning. Some body moult.
43881	Squid trawler	1904	15	9	11/03/2004	E of Auckland Islands	Campbell albatross	<i>Thalassarche bulleri</i>	Adult	Female	3	Crab discard and piece yellow plastic—bottom of stomach. Assorted squid head offal, tentacle bits—at top.	Seaweed.	Downy pins on brood patch.
43669	Squid trawler	1904	15	10	11/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	3	2 squid heads, no eyeballs or tentacles—offal, 2 squid mantles.	2 squid beaks, small squid eyeballs, squid flesh.	Partly bare brood patch, pinning.
43661	Squid trawler	1904	15	11	11/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	3	Squid mantle offal—top. Fish offal—middle. Squid tentacles—bottom.	Squid flesh, eyeballs, beaks.	Downy pinning brood patch. Heavy body moult.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43882	Squid trawler	1904	33	12	17/03/2004	E of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	Squid head and tentacles—offal.	Empty.	Downy brood patch.
43671	Squid trawler	1904	51	13	29/03/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	4	Small round flat fish, discard?	Few worms, fish skin seaweed.	Downy pins on brood patch. Some body moult.
43660	Squid trawler	1904	51	14	29/03/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Fish offal.	Fish scales and skins.	Downy pins on brood patch. Some body moult.
43765	Squid trawler	1904	51	15	29/03/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	Fish bones, skin and flesh—offal.	Fish bones.	Downy brood patch. Outer primaries old and worn.
43681	Squid trawler	1904	54	16	30/03/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Female	1	Seaweed and goose barnacles at bottom, fish bones and guts and skin at top—offal.	Goose barnacle shell.	Part bare brood patch.
43662	Squid trawler	1904	57	17	31/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	2	Proventricular oil, 1 fish head (silver warehou <i>Seriola punctata</i>), bottom. Fish guts.	Fish skin	Downy pinning brood patch. Heavy body moult, some new undertail coverts.
43764	Squid trawler	1904	67	18	17/04/2004	S of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult non-breeder	Male	1	6 squid head, no guts—offal.	Empty, bile.	Part bare pinning on brood patch.
43664	Squid trawler	1904	77	19	12/04/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	2	Empty.	Fish skin.	Downy pins on brood patch. Heavy body moult.
43646	Squid trawler	1904	77	20	12/04/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	?Female	Un-known	Gone.	Gone.	Gone.
43656	Squid trawler	1904	80	20	14/04/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	Empty, nematode cyst.	Empty.	Downy pinned brood patch, moderate body moult. Some new tail feathers.
43759	Squid trawler	1904	83	22	15/04/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	3	Squid head—offal.	Bile, empty.	Downy brood patch. Outer 3 primaries old and worn.
43674	Squid trawler	1904	7	4	8/03/2004	W of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	2 squid heads, no eyeballs, and small tentacles—offal. 2 squid mantle bits.	Small pieces squid flesh and small yellow plastic ball.	Part bare pinning brood patch. Primaries old and worn.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43687	Squid trawler	1905	3	1	8/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	3	Squid eyeball and flesh—offal.	Squid eyeballs.	Mainly bare pinning brood patch. Some body moult.
43655	Squid trawler	1905	6	1	9/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	3	Empty.	Squid beaks and eyeballs.	Partly bare pinning brood patch.
43719	Squid trawler	1905	7	1	10/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	2 squid heads—offal.	Squid eyeballs.	Mostly pinning brood patch. Some body moult.
43708	Squid trawler	1905	9	1	10/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	3	2 squid head and guts, 1 large fish tail—offal.	Seaweed.	Mostly downy pins on brood patch.
43668	Squid trawler	1905	11	1	11/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	4	1 squid head and guts—offal.	Worms.	Bare brood patch, some pinning.
43637	Squid trawler	1905	14	1	12/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	1 squid head—offal.	Empty, bile.	Part downy brood patch. Outer 3 primaries old and worn.
43713	Squid trawler	1905	17	1	13/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	3 squid buccal and flesh—offal.	Squid beaks and eyeballs.	Bare brood patch. Outer 3 primaries old and worn.
43897	Squid trawler	1905	19	1	14/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	3	Empty.	Squid eyeballs and flesh.	Bare brood patch.
43702	Squid trawler	1905	20	1	14/03/2004	N of Auckland Islands	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	4	Empty.	1 black plastic, 1 rock.	Part bare pinning brood patch.
43863	Squid trawler	1905	25	1	16/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	4	Empty.	Squid eyeballs and beaks, with some squid tentacle.	Mostly bare brood patch and beaks, with some pinning. Some body moult.
43900	Squid trawler	1905	26	1	16/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	4 squid heads and guts—offal.	Empty.	Mainly bare brood patch, small pins.
43689	Squid trawler	1905	29	1	17/03/2004	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Outer 3 primaries old and worn.
43692	Squid trawler	1905	35	1	19/03/2004	S of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Gone.
43690	Squid trawler	1905	50	1	27/03/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Outer 3 primaries old and worn.
43676	Squid trawler	1905	59	1	1/04/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	Un-known	Gone.	Gone.	Part bare pinning on brood patch. Heavy body moult.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (d/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43700	Squid trawler	1905	76	1	8/04/2004	Off Auckland Islands	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Fish skin offal.	Empty.	Downy brood patch.
43705	Squid trawler	1905	76	2	8/04/2004	Off Auckland Islands	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	1 piece squid offal.	1 squid eyeball (large), 1 rock.	Downy brood patch.
43866	Squid trawler	1905	77	1	9/04/2004	Off Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	3	2 squid head and guts offal. 4 squid heads. Proventricular oil.	Squid eyeball.	Downy pins on brood patch. heavy body moult. Outer 3 primaries old.
43703	Squid trawler	1905	78	1	9/04/2004	Off Auckland Islands	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Squid paste.	2 lanternfish otoliths, 1 arrow squid.	Downy brood patch.
43704	Squid trawler	1905	79	1	9/04/2004	Off Auckland Islands	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	1	Squid offal.	Squid offal and fish skin.	Downy brood patch.
43701	Squid trawler	1905	79	2	9/04/2004	Off Auckland Islands	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Fish stomach oil.	Fish skin.	Downy brood patch.
43806	Squid trawler	1907	13	1	15/04/2004	S of Puysegur Point	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Proventricular oil.	Proventricular oil.	Downy pinning brood patch.
43807	Squid trawler	1907	16	2	16/03/2004	S of Puysegur Point	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Empty.	Empty.	Part bare, pinning brood patch.
43680	Squid trawler	1907	27	1	21/03/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	4	Full of many pieces of fish offal.	Empty, bile.	Downy pins on brood patch.
43723	Squid trawler	1912	43	1	2/04/2004	S of Dunedin	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Squid offal.	Empty.	Downy pins on brood patch.
43722	Squid trawler	1912	43	2	2/04/2004	S of Dunedin	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	5	Fish? Paste.	1 large fish eyeball.	Part bare brood patch, mostly pinning.
43757	Squid trawler	1912	43	3	2/04/2004	SE Otago Peninsula	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Female	3	1 squid beak.	Seaweed, squid beaks, squid eyeballs.	Downy on brood patch. Trace of body moult.
43721	Squid trawler	1921	43	4	2/04/2004	S of Dunedin	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	Squid and krill paste.	Krill paste.	Downy on brood patch.
43716	Squid trawler	1921	21	1	7/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	1 nematode cyst, fish guts—offal 2 nematode cysts.	Worms, small fish bones.	Some body moult. Outer 3 primaries old and worn.
43731	Squid trawler	1921	22	1	7/04/2004	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	Krill, gemfish offal, proventricular oil.	3 arrow squid, 1 white plastic.	Mostly downy with some pinning on brood patch.
43709	Squid trawler	1921	29	1	9/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	1 squid head and guts—offal, 2 nematode cysts.	Squid eyeballs, squid flesh, worms.	Downy pins on brood patch. Heavy body moult.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (d/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43711	Squid trawler	1921	29	2	9/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	4	5 squid head and guts—offal.	Worms, squid flesh.	Downy pins on brood patch. Heavy body moult.
43891	Squid trawler	1921	52	1	19/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	Squid head and guts—offal. Assorted squid head and rays.	Squid eyeballs—8.	Downy brood patch.
43732	Squid trawler	1921	67	1	22/04/2004	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	1 nematode cyst, proventricular oil.	Worms, squid beak fragments, squid eyeballs.	Downy brood patch. Strong body moult. Some tail moult.
43728	Squid trawler	1921	68	1	22/04/2004	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	Proventricular oil, fish paste.	2 arrow squid.	Downy brood patch.
43727	Squid trawler	1921	68	2	22/04/2004	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Squid offal.	1 fish eye, 2 arrow squid.	Downy pins on brood patch.
43726	Squid trawler	1921	68	3	22/04/2004	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Squid offal.	2 squid eyes.	Downy pins on brood patch.
43754	Squid trawler	1921	71	1	23/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	Large fish tail—offal, 1 squid beak.	2 squid beaks, 2 squid eyeballs.	Downy brood patch, body moult at base of body.
43755	Squid trawler	1921	72	1	23/04/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	Empty.	Squid beaks, bile.	Downy on brood patch. Trace of body moult.
43762	Squid trawler	1921	74	1	24/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	3	Small pieces squid flesh.	8 small fish eyeballs.	Downy on brood patch. Trace of body moult.
43756	Squid trawler	1921	75	1	24/04/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	2	3 squid heads and guts—offal.	Squid eyeballs.	Downy on brood patch, moderate of body moult.
43766	Squid trawler	1921	77	1	25/04/2004	S of The Snares	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Male	1	Squid flesh and eyeball—offal.	Empty.	Bare brood patch.
43736	Squid trawler	1926	4	1	10/04/2004	Canterbury Bight	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	3 large lanternfish (18 cm, 16 cm, 12 cm).	2 lanternfish otoliths.	Downy brood patch.
43717	Squid trawler	1926	4	1	10/04/2004	Canterbury Bight	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Krill.	2 arrow squid, krill paste.	Downy brood patch.
43738	Squid trawler	1926	4	1	10/04/2004	Canterbury Bight	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Fish paste.	4 arrow squid, 10 lanternfish otoliths.	Downy brood patch.
43740	Squid trawler	1926	4	1	10/04/2004	Canterbury Bight	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	Fish paste.	55 large lanternfish otoliths, 1 green plastic.	Downy brood patch.
43741	Squid trawler	1926	5	1	11/04/2004	Canterbury Bight	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	2 lanternfish, c. 30 krill.	20 lanternfish otoliths, krill paste.	Part bare, mostly pinning brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (d/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43750	Squid trawler	1926	6	1	12/04/2004	Off Chaslands mistake	Blackbird	<i>Turdus merula</i>	Immature	Male	4	Empty.	Empty.	Downy brood patch.
43744	Squid trawler	1926	6	1	11/04/2004	Canterbury Bight	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Empty.	Empty.	Downy brood patch.
43745	Squid trawler	1926	6	1	11/04/2004	Canterbury Bight	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	22 lanternfish (moderate size).	44 lanternfish otoliths (medium).	Downy brood patch.
43746	Squid trawler	1926	6	1	11/04/2004	Canterbury Bight	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	55 well-digested lanternfish.	105 small lanternfish otoliths.	Downy pins on brood patch.
43747	Squid trawler	1926	6	1	11/04/2004	Canterbury Bight	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	2 fish baits, 20 half-digested lanternfish.	5 lanternfish otoliths (medium).	Downy brood patch.
43748	Squid trawler	1926	6	1	11/04/2004	Canterbury Bight	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Empty.	3 arrow squid.	Downy brood patch.
43749	Squid trawler	1926	6	1	11/04/2004	Canterbury Bight	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	5 well-digested rattails.	5 rattail otoliths, 5 lanternfish otoliths.	Downy brood patch.
43735	Squid trawler	1926	6	1	17/04/2004	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Krill.	1 arrow squid, 1 kill paste.	Downy brood patch.
43734	Squid trawler	1926	6	2	17/04/2004	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	?Male	Unknown	Gone.	Gone.	Downy brood patch.
43739	Squid trawler	1926	6	9	11/04/2004	Off Banks Peninsula	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	8 large lanternfish (c. 20 cm).	60 moderate lanternfish otoliths.	Part bare pinning brood patch.
43733	Squid trawler	1926	16	1	17/04/2004	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	1 nematode cyst, squid tentacles—offal.	Squid beak fragments, worms, squid flesh.	Downy brood patch, moderate body moult, some tail moult.
43743	Squid trawler	1926	19	1	18/04/2004	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Squid offal (1 arrow squid buccal ball, 2 larger squid (<i>Mesistogoteuthis</i>) buccal balls).	1 arrow squid ball.	Part bare pinning on brood patch.
43742	Squid trawler	1926	28	1	21/04/2004	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Fish offal.	Fish bone.	Mostly bare pinning on brood patch.
43883	Squid trawler	1926	32	1	23/04/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult non-breeder	Male	3	Small pieces squid—offal, 3 nematode cysts.	Squid flesh, squid eyeballs.	Downy brood patch. Heavy body moult.
43890	Squid trawler	1926	32	1	23/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	Part of squid—offal, 2 squid head and tentacles.	Squid eyeball, squid flesh.	Downy pins on brood patch. Strong body moult.
43860	Squid trawler	1926	37	1	24/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	4	2 barracouta heads—offal, 2 squid head and tentacles.	Squid beaks (1 pair) 4 pairs squid eyeballs.	Downy brood patch. Heavy body moult. Outer 3 primaries old. Some tail moult.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43840	Squid trawler	1927	71	1	3/05/2004	S of The Snares	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	2	Empty.	Empty.	Downy brood patch some body moult.
43839	Squid trawler	1927	91	1	10/05/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	2	Fish bones and flesh and tail offal.	Fish bones, bile.	Downy brood patch. Heavy body moult. Outer 3 primaries old. Some tail moult.
43841	Squid trawler	1927	94	1	11/05/2004	S of The Snares	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Male	2	Fish flesh and squid tentacle offal.	Fish flesh and bones.	Part bare pinning on brood patch.
43884	Squid trawler	1929	7	1	18/04/2004	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	Bottom—goose barnacles, seaweed. Top—few bits squid offal.	Seaweed, goose barnacles.	Bare brood patch with short pins.
43899	Squid trawler	1929	7	2	18/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	Mix of fish offal and 1 squid head—offal.	Squid beak and eyeballs.	Downy brood patch, strong body moult. Outer 3 primaries old.
43844	Squid trawler	1929	7	3	18/04/2004	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult	Male	1	Empty.	Worms, squid beak fragments, squid flesh, squid eyeballs.	Downy brood patch.
43861	Squid trawler	1929	9	1	19/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	1 squid mantle and 3 squid heads offal.	Squid eyeball.	Downy pins on brood patch, heavy body moult.
43862	Squid trawler	1929	9	2	19/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	Proventricular oil, 3 squid heads and many squid eyeballs, offal.	Squid eyeballs.	Part bare downy pins on brood patch. Heavy body moult.
43834	Squid trawler	1929	10	1	20/04/2004	S/W The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Outer 3 primaries old.
43889	Squid trawler	1929	11	1	20/04/2004	W of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult non-breeder	Male	3	3 large nematode cysts 1 squid head offal—no eyes or beak.	Squid beaks, seaweed, squid eyeballs outer 3 primaries white plastic.	Downy brood patch. Outer 3 primaries old.
43898	Squid trawler	1929	11	2	20/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	6 head and buccal sets, 1 set tentacles—offal.	Seaweed, squid flesh.	Downy brood patch, strong body moult.
43788	Squid trawler	1929	13	1	21/04/2004	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	Empty.	Empty.	Downy pinning on brood patch.
33583	Trawler	1833	15	1	5/11/2003	Pukaki Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Sub-adult	?Female	4	Gone.	Gone.	Downy brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
33578	Trawler	1833	45	2	22/11/2003	N Chatham	Salvin's albatross	<i>Thalassarche salvini</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Gone.
33581	Trawler	1833	65	1	2/12/2003	NW of Chatham Is	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Female	1	Empty.	Scampi shell.	Downy quills on brood patch.
33582	Trawler	1833	65	2	2/12/2003	NW of Chatham Is	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Female	1	Fish head guts and fin offal.	Fish eyeball.	Pinning on brood patch.
43608	Trawler	1840	85	1	29/12/2003	Canterbury Bight	Salvin's albatross	<i>Thalassarche salvini</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Gone.
43622	Trawler	1857	38	1	19/12/2003	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	4	Parts of whole squid. Discard?	10 pairs of squid eyeballs, small squid flesh.	Bare brood patch.
43613	Trawler	1857	53	2	27/02/2003	Off The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	2	Fish sludge, krill and proventricular oil.	Empty.	Downy brood patch.
43760	Trawler	1911	61	1	5/04/2004	Off The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	Empty 1 nematode cyst.	Bile, worms.	Downy brood patch, outer 3 primaries old and worn. Strong body moult.
43927	Trawler	1950	112	1	9/07/2004	N of Chatham Is	Salvin's albatross	<i>Thalassarche salvini</i>	Sub-adult	Male	1	Fish bones and flesh—offal.	Squid beaks, otoliths, fish bones.	Downy brood patch.
43925	Trawler	1950	114	1	9/07/2004	N of Chatham Is	Northern royal albatross	<i>Diomedea sanfordi</i>	Adult breeder	Male	2	Orange roughy head offal, fish, eyeballs, bile, 1 nematode cyst.	Fish eyeballs, bile.	Downy pins on brood patch, heavy body moult.
43948	Trawler	1951	44	1	28/06/2004	WSW of Hokitika	Buller's albatross	<i>Thalassarche bulleri</i>	Un-known	Un-known	3	Gone.	Gone.	Gone.
43950	Trawler	1958	22	1	23/07/2004	W of Cape Foulwind	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	2	1 fish tail, liver and fish guts, offal, squid beaks, proventricular oil.	Empty.	Trace body moult, downy pins brood patch.
43954	Trawler	1958	22	2	23/07/2004	W of Cape Foulwind, Karamea Bight	Campbell albatross	<i>Thalassarche impavida</i>	Adult	Male	5	Hoki tail and fish frames, offal.	Fish bone, squid and fish eyeballs, otoliths, fish skin, worms.	Medium body moult, downy brood patch.
43951	Trawler	1958	22	1a	23/07/2004	W of Cape Foulwind	Buller's albatross	<i>Thalassarche bulleri</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Gone.
43953	Trawler	1958	27	3	26/07/2004	W of Punakaiki	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	4	2 rat tail discards, 1 noki tail offal.	Fishbones, eyeballs, otoliths.	Heavy body and tail moult, downy pins brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43962	Trawler	1968	31	4	28/08/2004	W of Cape Foulwind	Campbell albatross	<i>Thalassarche impavida</i>	Adult	Female	3	Squid beaks, otoliths, worms, fish bones.	Bile, squid beaks, eyeballs, worms.	Heavy body and tail moult, downy brood patch.
43952	Trawler	1967	39	1	14/08/2004	W of Punakaiki	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	1	4 small squids at bottom, 4 hoki tails of tail at top.	5 squid eyeballs, 2 otoliths.	Medium body moult, mostly downy pinning brood patch.
43960	Trawler	1967	47	2	18/08/2004	W of Punakaiki	Buller's albatross	<i>Thalassarche bulleri</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Gone.
43958	Trawler	1968	104	1	28/08/2004	W of Cape Foulwind	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	Small fish bones and sludge.	Fishbones, eyeballs, otoliths.	Heavy body and tail moult, inner primaries and coverts moult on both wings, downy brood patch.
43959	Trawler	1968	104	1a	28/08/2004	W of Cape Foulwind	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Heavy wing moult, U rest of body.
43961	Trawler	1974	139	1	24/09/2004	Pegasus Bay	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Male	2	Fish skin offal in mouth and stomach, proventricular oil.	Small fish bones, otoliths.	Outer primaries new, bare brood patch.
43964	Trawler	1980	7	1	23/08/2004	W of Cape Foulwind	Westland petrel	<i>Procellaria westlandica</i>	Adult	Female	1	Fish offal.	Worms, squid beak fragments, 1 stone.	Heavy body moult, downy brood patch.
43955	Trawler	1980	15	2	28/08/2004	W of Cape Foulwind	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	3	Fish bones small, 1 nematode cyst.	Fish bones.	Heavy body and tail moult, downy brood patch.
43956	Trawler	1980	46	3	10/09/2004	W of Punakaiki	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	4	Fish offal.	Fish bones, fish eyeballs, otoliths.	Heavy body moult, downy brood patch.
43957	Trawler	1980	46	3a	10/09/2004	W of Punakaiki	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Gone.
43965	Trawler	1994	6	1	20/09/2004	Campbell Plateau	Grey-backed storm petrel	<i>Oceanites nereis</i>	Adult	Male	3	Proventricular oil.	2 stones.	Downy brood patch.
54008	Domestic bottom longliner	2002	11	1	4/11/2004	Puysegur Point	Common diving petrel	<i>Pelecanoides urinatrix</i>	Adult	Male	1	Empty.	Empty.	Downy brood patch.
53999	Domestic bottom longliner	2002	15	1	6/11/2004	Puysegur Point	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Fish paste.	Squid beak fragments, 7 pieces plastic, 1 piece wood.	Downy brood patch.
54000	Domestic bottom longliner	2002	15	2	5/11/2004	Puysegur Point	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Empty.	Squid beak fragments, 4 pieces plastic.	Downy brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
53984	Domestic bottom longliner	2002	30	6	10/11/2004	Puysegur Point	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	4	1 fish bait in throat.	Otoliths, squid fragments, squid eyeballs, few worms.	Part bare, matted downy brood patch.
53988	Domestic bottom longliner	2002	35	5	11/11/2004	Puysegur Point	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	3	1 fish bait, fish bones.	Seed, squid fragments, fish bones, otoliths.	Matted downy brood patch.
53982	Domestic bottom longliner	2002	36	6	21/11/2004	Puysegur Point	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	4	Few worms, empty.	Worms, squid beak fragments.	Short outer primary on right wing, matted downy brood patch.
53991	Domestic bottom longliner	2002	36	7	12/11/2004	Puysegur Point	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	4 fish bait, piece squid flesh.	Fish bones, worms, squid beak fragments.	Matted downy brood patch.
53989	Domestic bottom longliner	2002	41	8	14/11/2004	Puysegur Point	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	4	Fish bones and gut (offal), proventricular oil.	Full of worms, squid beak fragments, fish bones, plastic fibres, hair ball (15 cm diameter).	Bare brood patch.
53985	Domestic bottom longliner	2002	54	9	17/11/2004	Puysegur Point	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	2	Squid beak and fish bones (bottom of stomach).	Worms, squid beak fragments.	Matted downy brood patch.
53983	Domestic bottom longliner	2002	55	10	17/11/2005	Puysegur Point	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	4	Fish bones, guts and skin (offal).	Fish bones, worms, squid beak fragments.	Bare brood patch.
53986	Domestic bottom longliner	2002	55	11	17/11/2006	Puysegur Point	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	Piece of fish bait in mouth, 1 fish bait, proventricular oil, fish bones.	Few fish bones, squid beak fragments, 1 yellow plastic, otoliths, fish skin.	Matted downy brood patch.
53990	Domestic bottom longliner	2002	55	12	17/11/2004	Puysegur Point	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	2	Fish bones, worms and squid beaks at bottom, 1 fish bait at top.	Squid beak fragments, worms, fish bones, otoliths, green cord.	Matted downy brood patch.
53987	Domestic bottom longliner	2002	55	13	18/11/2004	Puysegur Point	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	2	3 fish baits.	Fish bones, worms, squid beak fragments.	Matted downy brood patch.
54010	Snapper bottom longliner	2019	9	1	19/12/2004	Hauraki Gulf	Flesh-footed shearwater	<i>Puffinus carneipes hullianus</i>	Immature	Female	1	Squid tentacle (? ex bait).	Squid beak fragments, worms, 3 small pebbles.	Matted downy brood patch.
54050	Snapper bottom longliner	2021	7	2	31/01/2005	Cape Colville	Flesh-footed shearwater	<i>Puffinus carneipes hullianus</i>	Adult breeder	Male	1	3 fish baits.	Squid beak fragments, small pebbles, 1 yellow plastic, 1 shell, fish skin, 1 black twine.	Bare brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54049	Snapper bottom longliner	2052	1	1	25/01/2005	Cape Brett	Flesh-footed shearwater	<i>Puffinus carneipes hullianus</i>	Adult breeder	Male	1	Empty.	Squid beak fragments, pebbles, seaweed.	Bare brood patch.
54048	Snapper bottom longliner	2059	6	1	16/02/2005	Hauraki Gulf	Black petrel	<i>Procellaria parkinsoni</i>	Adult	Male	2	Trace proventricular oil, empty.	Squid beak fragments, few worms.	Matted downy, some pinning on sides, brood patch.
54123	Snapper bottom longliner	2083	1	1	21/03/2005	Hauraki Gulf	Flesh-footed shearwater	<i>Puffinus carneipes hullianus</i>	Adult	Male	3	Empty.	Squid beak fragments, small fish scales, few fish bones.	Heavy body moult, downy brood patch.
54265	Domestic bottom longliner	2093	45	1	18/05/2005	NW Pukaki Rise	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Male	4	1 fish bait.	Squid beak fragments, small fish bones.	Bare (downy central stripe) brood patch.
54258	Domestic bottom longliner	2110	3	1	7/6/2005	N of Cape Runaway	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Female	1	Empty	Squid beak fragments.	Some tail moult, downy brood patch.
54270	Domestic bottom longliner	2113	2	1	3/7/2005	N of Cape Runaway	Gibson's albatross	<i>Diomedea gibsoni</i>	Adult breeder	Female	1	Empty.	Squid beak fragments.	Strong body moult, downy brood patch.
54321	Domestic bottom longliner	2113	8	31	21/7/2005	100 km NE of East Cape	Campbell albatross	<i>Thalassarche impavida</i>	Adult	Female	2	Empty, 2 nematode cysts.	Squid beaks.	Downy brood patch, strong body moult.
54322	Domestic bottom longliner	2113	12	47	28/7/2005	60 km NE of East Cape	Campbell albatross	<i>Thalassarche impavida</i>	Immature	Male	1	Empty, 4 nematode cysts.	Proventricular oil.	Downy brood patch, strong body moult.
54336	Joint venture tuna longliner	2088	3	1	9/4/2005	SW of Solander 1	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Fish head bait, fish flesh offal, proventricular oil.	Squid beak fragments, salp tests.	Downy brood patch, strong body moult.
54339	Joint venture tuna longliner	2088	19	139	25/4/2005	SW of Solander 1	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Empty.	Squid beak fragments, worn.	Downy brood patch, strong body moult.
54325	Joint venture tuna longliner	2088	19	140	25/04/2004	SW of Solander 1	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	4	Fish bones, (ex bait?), 2 nematode cysts.	Empty.	Outer 3 primaries old, downy brood patch.
54318	Joint venture tuna longliner	2088	97	1788	18/07/2005	100 km NE of East Cape	Southern giant petrel	<i>Macronectes giganteus</i>	Adult	Male	1	1 fish bait (saury?).	Bolus of beak fragments, 3 seeds.	Downy brood patch, strong body moult.
54337	Joint venture tuna longliner	2088	97	1791	18/07/2005	100 km NE of East Cape	Grey petrel	<i>Procellaria cinerea</i>	Adult	Female	1	1 fish bait, proventricular oil.	Squid beak fragments, proventricular oil.	Partly bare brood patch down central stripe.
54319	Joint venture tuna longliner	2088	97	1792	18/07/2005	100 km NE of East Cape	Campbell albatross	<i>Thalassarche impavida</i>	Immature	Male	2	Gone.	Gone.	Brood patch gone, strong body moult.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54320	Joint venture tuna longliner	2088	99	1851	20/7/2005	100 km NE of East Cape	Campbell albatross	<i>Thalassarche impavida</i>	Immature	Male	1	Empty, 1 nematode cyst.	Pair of squid beaks.	Outer 3 primaries old, downy brood patch, heavy body moult.
54317	Joint venture tuna longliner	2088	99	1863	20/7/2005	100 km NE of East Cape	Southern giant petrel	<i>Macronectes giganteus</i>	Immature	Female	3	Squid beaks and feathers bottom, 3 partly digested fish baits top.	Feathers and squid beak fragments.	Downy brood patch, some white among grey.
54338	Joint venture tuna longliner	2088	99	1865	20/7/2005	100 km NE of East Cape	Grey petrel	<i>Procellaria cinerea</i>	Adult	Female	3	Proventricular oil.	Squid beak fragments.	Downy brood patch with pins, heavy body moult.
54324	Joint venture tuna longliner	2088	100	1888	22/7/2005	100 km NE of East Cape	Campbell albatross	<i>Thalassarche impavida</i>	Adult	Male	1	Empty, 1 nematode cyst.	2 small squid beaks.	Downy brood patch, strong body moult.
54323	Joint venture tuna longliner	2088	104	2015	25/7/2005	100 km NE of East Cape	Campbell albatross	<i>Thalassarche impavida</i>	Immature	Male	5	1 fish bait.	Squid beaks.	Downy brood patch.
54329	Joint venture tuna longliner	2090	8	1	19/4/2005	SW of Solander 1	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Male	4	Empty.	Squid eyeball, proventricular oil.	Bare brood patch, few pins.
54330	Joint venture tuna longliner	2090	11	1	22/4/2005	SW of Solander 1	White-capped albatross	<i>Thalassarche impavida</i>	Adult	Female	2	Empty, 1 nematode cyst.	Empty.	Downy brood patch, strong body moult.
54334	Joint venture tuna longliner	2090	11	2	22/4/2005	SW of Solander 1	White-capped albatross	<i>Thalassarche impavida</i>	Adult	Female	2	Gone.	Empty.	Brood patch gone.
54333	Joint venture tuna longliner	2090	16	1	27/4/2005	SW of Solander 1	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	2	1 fish bait.	Empty.	Partly bare brood patch.
54328	Joint venture tuna longliner	2090	16	2	27/4/2005	SW of Solander 1	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	1	1 whole squid, 1 squid head and tentacles, 1 nematode cyst.	Empty.	Mainly bare brood patch, few pins.
54326	Joint venture tuna longliner	2090	16	3	27/4/2005	SW of Solander 1	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Male	4	Part 1 fish bait.	Empty.	Outer 3 primaries old, bare brood patch.
54331	Joint venture tuna longliner	2090	40	1	22/5/2005	100 km W of Jackson Bay	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Male	1	1 partly digested squid bait, 1 nematode cyst.	Empty.	Mainly bare brood patch, some pins.
54001	Scampi trawler	2007	16	1	19/11/2004	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Sub-adult	Female	3	Empty.	Otolith.	Outer 3 primaries old, downy brood patch.
54002	Scampi trawler	2007	16	1a	19/11/2004	Chatham Rise	White-capped albatross	<i>Thalassarche steadi</i>	Unknown	?Male	Unknown	Gone.	Gone.	Outer 3 primaries worn.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54007	Scampi trawler	2007	55	1	12/12/2004	Cape Turnagain	Salvin's albatross	<i>Thalassarche salvini</i>	Sub-adult	Female	2	Fish flesh and small bones, fish eyeballs, otoliths, whole small fish.	Small fish bones, fish eyeballs, lots of otoliths, small squid beak.	Downy brood patch
54245	Scampi trawler	2008	12	1	15/12/2004	NE of Chatham Islands	Pacific Albatross	<i>Thalassarche (platei)</i> sp. Nov.	Sub-adult	Male	1	1 hoki (390 mm), assorted other small (hoki?) fish (discard?).	Otoliths, fish bones, fish eyeballs.	Partly bare brood patch.
54243	Scampi trawler	2008	13	1	15/12/2004	NE of Chatham Islands	Pacific Albatross	<i>Thalassarche eremita</i>	Sub-adult	Male	1	Empty, 1 nematode cyst.	Goose barnacle shell, seaweed.	Mainly downy brood patch.
54228	Scampi trawler	2008	13	2	15/12/2004	W of Chatham Rise	Chatham Albatross	<i>Thalassarche (platei)</i> sp. Nov.	Adult breeder	Female	1	Small round fish (natural), 1 whole rattail.	Seaweed.	Trace body moult, outer 3 primaries bare, mainly pinning brood patch.
54259	Scampi trawler	2008	18	1	18/12/2004	NE of Memoo Bank	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	2	Fish bits, bone and eyeballs, otoliths, offal.	Fish bits, bone and eyeballs, otoliths, squid beak fragments.	Bare brood patch.
54146	Squid trawler	2023	29	1	1/01/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Bare brood patch.
54147	Squid trawler	2023	29	2	1/01/2005	SE of The Snares	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	?Female	Un-known	Gone.	Gone.	Downy brood patch.
54095	Squid trawler	2023	33	1	3/1/2005	SSE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Mix of <i>gouldii</i> tentacles, squid bits and fish flesh.	Small fish bones, tentacles, otoliths, fish eyeballs.	Bare brood patch.
54096	Squid trawler	2023	49	1	10/1/2005	SW of Stewart I	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Empty.	Squid beak.	Bare brood patch.
54301	Squid trawler	2028	24	1	21/1/2005	SE of the Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	?Female	Un-known	1 piece clear long plastic, rest gone.	Gone.	Mainly brood patch.
54302	Squid trawler	2028	28	2	22/1/2005	E of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	Holed.	Fish eyeballs and vertebrae.	Trace body moult, bare brood patch.
54212	Squid trawler	2028	49	3	1/2/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	4	Squid bits, offal.	Squid beaks worms, squid eyeballs.	Bare brood patch outer 3 primaries old.
54199	Squid trawler	2028	49	4	1/2/2005	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	1	Rattail paste including 44 lanternfish otoliths and 65 eyeballs.	1 quart rock, 2 pieces of plastic.	Downy pins on brood patch.
54104	Squid trawler	2029	2	1	10/1/2005	ESE of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	1 squid head and guts, offal.	Squid beak fragments, squid eyeballs, fish skin, worms.	Bare brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54144	Squid trawler	2029	2	2	10/1/2005	E of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	Squid offal/3 heads and guts.	Squid beak, small "vetebrae"?	Small central bare patch on brood patch.
54103	Squid trawler	2029	7	1	11/1/2005	ESE of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	1	Assorted squid bits, squid head and guts—offal.	Squid beak fragments, squid eyeballs, worms.	Downy central stripe, bare brood patch.
54284	Squid trawler	2029	8	1	12/1/2005	ESE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	3	Large fish bones, vetebrae, offal.	Squid beaks and eyeballs.	Bare brood patch.
54273	Squid trawler	2029	13	1	14/1/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	3	Part of small squid.	Squid eyeballs.	Bare brood patch.
54244	Squid trawler	2029	24	1	17/1/2005	SW of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Outer 3 primaries old, rest gone.
54274	Squid trawler	2029	48	1	24/1/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	4 squid head/guts, 2 squid mantle parts, otolith.	Squid eyeballs and fish bones.	Downy brood patch.
54271	Squid trawler	2029	49	1	24/1/2005	E of The Snares	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	1	Squid bits, 1 squid head/guts, offal.	Squid beak fragments, squid eyeballs, squid flesh.	Downy (bare central patch) brood patch.
54260	Squid trawler	2029	107	1	8/2/2005	SE of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	1	Small squid bolus and flesh (natural?).	Squid beak fragments, worms.	Partly bare downy pins on brood patch.
54250	Squid trawler	2035	27	1	25/01/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	2	5 squid head and guts—offal.	Worms, small squid eyeballs, small squid beaks.	Bare brood patch.
54253	Squid trawler	2035	27	2	25/01/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Squid head and guts—offal.	Salp test.	Bare brood patch.
54254	Squid trawler	2035	27	3	25/01/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	4	Gone.	Gone.	Outer 3 primaries old, rest gone.
54282	Squid trawler	2035	28	4	25/01/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	5	8 squid head and guts—offal.	Squid flesh.	Bare brood patch.
54281	Squid trawler	2035	29	5	25/01/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	5	Seaweed, worms, squid beaks.	Salp test, worms, squid eyeballs.	Bare brood patch.
54046	Squid trawler	2035	32	7	26/1/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult non-breeder	Female	2	1 squid head and guts, 1 tentacle, 1 squid bolus, seaweed (offal).	Squid beak fragments and eyeballs.	Small central bare patch, downy brood patch.
54246	Squid trawler	2035	32	8	26/1/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	2 squid head and guts, 1 squid bolus (offal).	Small pair of squid beaks.	Partly bare centre on brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54045	Squid trawler	2035	32	8	26/11/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	4 squid head and guts (offal).	Squid beak fragments, worms.	Some pinning, bare brood patch.
54249	Squid trawler	2035	39	1	27/11/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	2	Empty.	Empty.	Bare central patch on brood patch.
54242	Squid trawler	2035	41	1	28/11/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Gone.	Small squid beaks, small squid eyeballs.	Bare brood patch.
54248	Squid trawler	2035	41	2	28/11/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	1 piece of squid mantle, offal.	Large quantity of squid eyeballs, few small squid beaks.	Bare central patch on brood patch.
54311	Squid trawler	2035	41	3	28/11/2005	SSE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	1 squid head/guts, offal.	Fish bones, otoliths.	Bare (few pins) brood patch.
54312	Squid trawler	2035	41	4	28/5/2005	SSE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	6 whole squid, 2 squid bits, squid ray, offal.	Squid flesh, 2 pairs squid beaks.	Partly bare downy pins on brood patch.
54247	Squid trawler	2035	47	1	29/11/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	2 squid head/guts, seaweed, 1 thick tentacles, 9 squid beak bolus, offal.	Squid beak fragments, squid eyeballs, otoliths.	Outer 3 primaries old, mainly bare few pins on brood patch.
54255	Squid trawler	2035	47	2	29/11/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Fish backbone, fish skin, squid head/guts, offal.	Squid beak bolus.	Bare (few pins) brood patch.
54313	Squid trawler	2035	48	1	29/11/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	Squid rays, 1 whole squid (discard), fish head, offal.	Small pellets, squid eyeballs, squid beaks.	Downy brood patch.
54314	Squid trawler	2035	48	2	29/11/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	6 squid head/guts, (4 with tentacles) offal.	Squid flesh and eyeballs.	Partly bare centre (downy pins) of brood patch.
54241	Squid trawler	2035	65	1	2/2/2005	SW of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	3	Empty.	Seaweed, squid eyeballs.	Bare brood patch.
54256	Squid trawler	2035	77	1	5/2/2005	SW of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	Squid head/guts, offal.	Squid beak fragments, worms.	Bare (some pinning) brood patch.
54269	Squid trawler	2035	100	1	10/2/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	4	Fish/squid paste.	Squid beak fragments, 2 pieces plastic.	Centre bare (rest pinning) on brood patch.
54079	Squid trawler	2041	30	1	29/11/2005	E of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	3	Empty.	Squid beak fragments, 1 piece rope.	Heavy body moult, part bare, downy pins on brood patch.
54044	Squid trawler	2041	35	1	30/1/2005	ESE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	?Female	Unknown	Gone.	Gone.	Gone.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (d/m/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54043	Squid trawler	2041	42	1	2/2/2005	E of The Snares	Salvin's albatross	<i>Thalassarche salvini</i>	Sub-adult	Female	1	4 squid head and guts (offal).	Seaweed, squid beak.	Strong body moult, some pinning (bare central patch) downy brood patch.
54015	Squid trawler	2041	42	2	2/2/2005	SSW of The Snares	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Male	1	5 squid head and guts (no tentacles—offal).	8 small squid eyeballs, fish vertebrae.	Downy brood patch.
54019	Squid trawler	2041	44	1	2/2/2005	ESE of The Snares	Salvin's albatross	<i>Thalassarche salvini</i>	Adult non-breeder	Female	1	Large fish bones and barnacles (bottom), offal. 2 squid head and guts (no tentacles), top.	Fish bones, goose barnacles, seaweed.	Strong body moult, downy brood patch.
54011	Squid trawler	2041	44	1	2/2/2005	E of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	Squid bits (offal).	Squid bits and beaks (offal).	Bare brood patch.
54012	Squid trawler	2041	44	2	2/2/2005	E of The Snares	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Male	1	4 squid heads, no tentacles.	Seaweed, barnacles shell.	Pinning downy brood patch.
54021	Squid trawler	2041	49	1	4/2/2005	ESE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	3	7 squid heads and guts (no tentacles or beaks) offal.	Squid sludge.	Mainly bare, some pinning (starting) brood patch.
54018	Squid trawler	2041	51	1	5/2/2005	ESE of The Snares	Salvin's albatross	<i>Thalassarche salvini</i>	Sub-adult	Male	1	3 squid head and guts, offal.	Large quantity of squid beaks eyeballs, goose barnacles (finely particled).	Downy brood patch.
54013	Squid trawler	2041	53	1	5/2/2005	E of The Snares	Salvin's albatross	<i>Thalassarche salvini</i>	Adult non-breeder	Male	4	4 nematode cysts, 1 squid head, no tentacles (offal).	Large amount of small squid beaks and eyeballs.	3 outer primaries old, very worn tail, matted downy brood patch.
54017	Squid trawler	2041	78	1	13/2/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	2 squid head and guts (no tentacles or beaks) offal.	1 squid eyeball.	Outer 2 primaries old, bare, trace pinning brood patch.
54014	Squid trawler	2041	78	2	13/2/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	4 small nematode cysts, empty.	Barnacle shell.	Outer 3 primaries old, mainly bare, some pinning brood patch.
54016	Squid trawler	2041	80	1	13/2/2005	E of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	Bottom of stomach large quantity of goose barnacles top 1 fish head (?bait).	Full of barnacles, 1 piece of seaweed, 1 squid beak.	Outer 2 primaries old, mainly bare, some pinning brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54042	Squid trawler	2042	84	1	14/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	1 squid mantle, 1 small <i>N. soani</i> whole squid, head/gut thick tentacled squid (offal).	Empty.	Outer 3 primaries old, bare, some pinning brood patch.
54154	Squid trawler	2042	8	1	23/1/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	?Male	Unknown	Squid offal.	Squid offal.	Brood patch gone, outer 3 primaries old.
54157	Squid trawler	2042	40	1	30/1/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	1	One nematode cyst, parts arrow squid (discard?).	Pair of squid beaks, squid rays.	Bare central patch on brood patch, outer 3 primaries old.
54171	Squid trawler	2042	83	1	7/2/2005	SE of The Snares	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Female	3	Empty, 2 nematode cysts.	1 squid beak.	Downy brood patch.
54169	Squid trawler	2042	84	1	7/2/2005	SE of The Snares	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Male	1	Holed and gone.	Empty.	Downy pins on brood patch.
54170	Squid trawler	2042	98	1	10/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Empty.	Goose barnacles, seaweeds.	Bare (trace pins) brood patch.
54167	Squid trawler	2042	110	1	12/2/2005	S of The Snares	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Unknown	2	Squid bits, offal.	Empty.	Gone.
54155	Squid trawler	2042	110	2	12/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	1 large piece of seaweed, squid offal—few pieces of flesh.	Squid beak fragments and eyeballs.	Downy central patch on brood patch, some pins, outer primaries new.
54136	Squid trawler	2042	122	1	15/2/2005	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult	Female	2	Squid offal—2 heads.	Squid beak fragments, worms.	Pinning on brood patch.
54156	Squid trawler	2042	138	1	19/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Fish offal—assorted skin/guts.	Empty.	Mainly bare brood patch, some pins, outer 3 primaries new.
54163	Squid trawler	2043	17	1	30/1/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Unknown	?Male	Unknown	Gone.	Gone.	Gone.
54201	Squid trawler	2043	42	13	12/2/2005	SE of Auckland Islands	Common diving petrel	<i>Pelecanoides urinatrix</i>	Sub-adult	Female	2	Empty.	Green paint chips.	Downy brood patch.
54036	Squid trawler	2047	1	1	28/1/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	2 nematode cysts, small whole squid (discard?).	2 squid beak, squid eyeballs, otolith.	Bare central patch, downy brood patch.
54041	Squid trawler	2047	3	1	29/1/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	4 squid head and guts, 4 squid beak mantles, 4 squid beak bolus (offal).	Squid beaks, squid flesh.	Bare brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54092	Squid trawler	2047	12	1	4/2/2005	SSE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	Empty, 2 nematode cysts.	Empty.	Bare brood patch.
54148	Squid trawler	2047	21	1	9/2/2005	E of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	2	Squid offal—1 head.	1 piece clear plastic.	Bare brood patch, new pins, outer 3 primaries old.
54039	Squid trawler	2047	46	1	21/2/2005	Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Part large fish, 1 squid bolus, offal.	Fish flesh.	Some pinning bare brood patch.
54226	Squid trawler	2051	2	1	30/1/2005	SE of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	Proventricular oil, squid bits and head and guts, offal.	Squid beak fragments, worms, small otoliths, small fish eyeballs, 1 piece clear plastic.	Bare (some pins) brood patch.
54219	Squid trawler	2051	2	1	30/1/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	1	1 whole arrow squid.	Squid beak fragments, 5 pieces clear plastic.	Downy pins on brood patch.
54222	Squid trawler	2051	15	1	3/2/2005	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	1	4 whole squid, squid bits, offal and discards.	Squid beak fragments, squid eyeballs, worms.	Strong body moult, bare (downy central stripe) brood patch.
54195	Squid trawler	2051	15	1	3/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Empty, 2 nematode cysts.	Barnacle shell.	Heavy body moult, outer 3 primaries old, bare, (few pins) on brood patch.
54227	Squid trawler	2051	19	1	4/2/2005	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	2	Proventricular oil, squid head and guts, offal.	Squid beak fragments, small fish eyeballs, worms.	Bare (trace pins) brood patch.
54162	Squid trawler	2051	19	1	4/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	?Male	Un-known	Gone.	Gone.	Gone.
54225	Squid trawler	2051	19	2	4/2/2005	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	1	Proventricular oil, squid head and guts, offal.	Squid beak fragments, small otoliths, eyeballs, worms, fish flesh.	Some body moult, bare (pinning) on brood patch.
54224	Squid trawler	2051	19	3	4/2/2005	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	1	Proventricular oil, squid head and guts, offal.	Squid beak fragments, squid flesh, worms.	Bare, (some pins) brood patch.
54221	Squid trawler	2051	19	4	4/2/2005	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	1	Squid bits—offal.	Squid beak fragments, squid eyeballs, worms.	Downy pins on brood patch.
54223	Squid trawler	2051	20	1	4/2/2005	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	2	Proventricular oil, squid bits, offal.	Squid beak fragments, worms, small otoliths, fish scales.	Bare (downy central stripe) brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54077	Squid trawler	2051	20	2	4/2/2005	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	1	1 squid head, proventricular oil, offal.	Squid beak fragments, sludge.	Mostly bare brood patch.
54074	Squid trawler	2051	20	3	4/2/2005	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	1	4 squid heads, tentacles and guts—offal.	Squid beak fragments, 1 brown twine.	Strong body moult, mostly bare, some pinning on brood patch.
54119	Squid trawler	2051	32	1	7/2/2005	S of The Snares	Southern royal albatross	<i>Diomedea epomophora</i>	Adult	Male	1	Empty. 2 nematode cysts.	Squid eyeballs and beak fragments.	Strong body moult, heavy upper wing, covert moult and outer 3 primaries old on right wing, outer 4 primaries old and heavy covert moult on left wing.
54065	Squid trawler	2051	38	1	9/2/2005	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	3	1 piece of squid and 1 piece of fish.	Squid beak fragments, 1 piece plastic.	Pinning, downy brood patch.
54184	Squid trawler	2051	39	1	9/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	?Male	4	Gone.	Gone.	Downy brood patch.
54210	Squid trawler	2051	40	1	10/2/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	3	4 squid head and guts, offal.	Goose barnacles, squid eyeballs.	Mainly bare (some pinning) brood patch, outer 3 primaries old.
54060	Squid trawler	2051	41	1	10/2/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	Squid offal.	Squid beak fragments, fish eyeballs, 5 pieces plastic.	Downy brood patch.
54211	Squid trawler	2051	45	1	11/2/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	Squid offal.	Squid eyeballs.	Bare (few pins) brood patch.
54073	Squid trawler	2051	47	1	12/2/2005	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	1 squid head and guts, offal.	Squid beak fragments, sludge.	Heavy body moult, some tail moult, matted downy brood patch.
54054	Squid trawler	2051	47	1	12/2/2005	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	Empty	Empty	Downy brood patch
54075	Squid trawler	2051	47	2	12/2/2005	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	Squid bits, 2 squid heads, 2 squid beaks, offal.	Squid beak fragments, 2 squid eyeballs.	Some body moult, downy pinning brood patch.
54066	Squid trawler	2051	47	2	12/2/2005	SSW of the Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Female	1	Fish paste.	Empty.	Pinning, downy brood patch.
54070	Squid trawler	2051	48	1	13/2/2005	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	3	3 squid heads and guts, 1 squid mantle (offal).	Squid beak fragments, 1 piece white polypro sacking.	Heavy tail moult, part bare pinning downy central stripe on brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54063	Squid trawler	2051	49	1	13/2/2005	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Female	1	Fish paste.	Empty.	Pinning, downy brood patch.
54101	Squid trawler	2051	50	1	13/2/2005	SSE of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult breeder	Female	2	Small squid tentacles, proventricular oil.	Squid beak fragments, worms.	Pinning, downy brood patch.
54107	Squid trawler	2051	50	2	13/2/2005	SSE of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult breeder	Female	2	1 squid head and guts, offal.	Squid beak, squid eyeballs, squid flesh.	Moderate body moult, downy pins on brood patch.
54100	Squid trawler	2051	52	1	14/2/2005	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	1	Squid offal.	Squid beak fragments, fish eyeballs.	Bare, some pinning on brood patch.
54102	Squid trawler	2051	58	1	17/2/2005	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult	Male	3	Squid head, offal, squid bits in mouth.	Squid beak fragments, squid eyeballs.	Downy brood patch.
54105	Squid trawler	2051	65	1	20/2/2005	SE of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult breeder	Female	1	4 squid heads, offal.	Squid beak fragments, worms.	Some body moult, bare pinning brood patch.
54106	Squid trawler	2051	86	1	20/2/2005	SE of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult	Male	1	2 squid heads and guts, offal.	Squid beak fragments, worms, otoliths.	Strong body moult, downy brood patch.
54098	Squid trawler	2051	72	1	23/2/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	3	Squid and fish offal.	Squid beak fragments, 5 pieces plastic.	Bare, pinning brood patch.
54094	Squid trawler	2058	13	1	13/2/2005	SSE of The Snares	White-capped albatross	<i>Thalassarche</i>	Adult breeder	Male	3	Mix of fish bones and squid bits and flesh, offal.	Squid beaks and eyeballs.	Mainly bare, few pins on brood patch.
54093	Squid trawler	2058	13	2	13/2/2005	SSE of The Snares	White-capped albatross	<i>Thalassarche</i>	Adult non-breeder	Male	1	Large quantity of assorted squid bits, plus barracuda head, offal.	Squid beaks and eyeballs.	Bare central patch, downy brood patch.
54233	Squid trawler	2058	21	3	16/2/2005	SW of The Snares	White-capped albatross	<i>Thalassarche</i>	Adult breeder	Male	1	3 nematode cysts, 1 small arrow squid, 1 large tentacle piece, offal.	Pair of squid beaks.	Mainly bare, pinning brood patch.
54189	Squid trawler	2058	27	4	19/2/2005	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	2	Empty.	Squid beak fragments, 3 pieces of plastic.	Mostly downy central stripe (some pins) on brood patch.
54033	Squid trawler	2061	11	1	12/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche</i>	Adult breeder	Female	3	Small amount of fish flesh—offal.	Seaweed.	Trace pinning, bare brood patch.
54112	Squid trawler	2061	16	1	13/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche</i>	Adult breeder	Male	3	2 squid heads, offal.	1 large otolith, 1 seaweed, 1 squid flesh.	Trace pinning, bare brood patch.
54111	Squid trawler	2061	16	2	13/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche</i>	Adult breeder	Female	1	Assorted squid bits, 1 fish head—offal.	Squid beaks and eyeballs, fish scales.	Bare brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54026	Squid trawler	2061	20	1	14/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	5	Amphipods/krill (bottom) 2 whole medium size squid (discards?) squid head and guts (offal).	Amphipods and krill.	Mainly bare, some pinning brood patch.
54029	Squid trawler	2061	44	1	20/2/2005	ESE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Empty.	Seaweed, barnacles.	Mainly bare, some pinning brood patch.
54078	Squid trawler	2061	45	1	21/2/2005	SSE of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Female	1	1 squid head, offal.	Squid beak fragments, 1 orange twine, 1 yellow twine.	Pinning downy brood patch.
54023	Squid trawler	2061	74	1	28/2/2005	SSE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	?Female	Unknown	Gone.	Gone.	Gone.
54099	Squid trawler	2061	88	1	4/3/2005	N of Auckland Islands	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	3	At least 32 amphipods (<i>Parathemisto gandichaudii</i>).	Amphipods (<i>Parathemisto gandichaudii</i>), 1 piece plastic.	Bare, some pinning on brood patch.
54145	Squid trawler	2061	93	1	5/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	Empty.	Squid eyeball, bile.	Mainly bare brood patch, few pins, outer 3 primaries old.
54025	Squid trawler	2061	96	1	6/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	2	6 sets of squid tentacles, squid 3 squid buccal masses (beaks), offal.	7 sets squid beaks, squid eyeballs, squid flesh.	Bare brood patch.
54127	Squid trawler	2061	115	1	10/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	?Female	Unknown	Gone.	Gone.	Outer 3 primaries old.
54056	Squid trawler	2062	35	1	1/3/2005	SE of Auckland Islands	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	1	Fish paste 4 lanternfish droppings, 1 feather.	Rattail and lanternfish droppings, 1 piece plastic, 1 piece wood.	Mostly downy pinning brood patch.
54072	Squid trawler	2062	39	2	3/3/2005	ENE of Auckland Islands	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	Proventricular oil, sludge.	Squid beak fragments, worms, 1 green twine.	Downy brood patch.
54022	Squid trawler	2063	2	1	14/2/2005	Solander Is	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	4	Small part of squid mantle.	2 squid eyeballs.	Trace pinning, downy brood patch.
54020	Squid trawler	2063	4	1	15/2/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	3	9 small nematode cysts, empty.	Worms, small squid beaks and eyeballs.	Downy brood patch.
54035	Squid trawler	2063	4	2	15/2/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Unknown	?Male	Unknown	Gone.	Gone.	Gone.
54068	Squid trawler	2063	8	1	17/2/2005	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Female	2	Empty.		Some body moult, downy pinning brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54059	Squid trawler	2063	8	2	17/2/2005	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	1	Empty.	Squid beak fragments, 1 piece plastic.	Bare brood patch.
54061	Squid trawler	2063	8	3	17/2/2005	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	1 whole rattail (without otoliths) 21 cm long, squid offal.	Squid beak fragments.	Downy brood patch.
54064	Squid trawler	2063	8	4	17/2/2005	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Female	2	Empty.	Squid beak fragments, 1 piece plastic.	Pinning, downy brood patch.
54038	Squid trawler	2063	11	1	18/2/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	1 nematode cyst, 1 squid head (no tentacles) offal.	Small squid beaks.	Mainly bare, some pinning brood patch.
54024	Squid trawler	2063	18	1	22/2/2005	E of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	?Male	Unknown	Gone.	Gone.	Gone.
54047	Squid trawler	2063	19	1	22/2/2005	E of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	?Female	Unknown	Squid head—offal.	Gone.	Bare brood patch.
54037	Squid trawler	2063	22	1	24/2/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	2 squid mantles, 2 squid head tentacles, 1 squid head (no tentacles) offal.	Squid beaks, tentacles, and eyeballs.	Bare brood patch.
54053	Squid trawler	2063	36	2	3/3/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Fish paste, 5 lanternfish otoliths.	Otoliths, lanternfish eyeballs.	Downy brood patch.
54027	Squid trawler	2063	38	1	3/3/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	1 squid mantle (offal).	1 squid beak.	Part bare, pinning brood patch.
54028	Squid trawler	2063	47	1	7/3/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	Squid offal in mouth, krill (bottom), fish offal and vertebrae (top), 1 large nematode cyst.	1 squid beak, eyeball.	Part bare, pinning brood patch.
54031	Squid trawler	2064	6	1	26/2/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	Bottom - 3 squid tentacles, 1 mantle and 1 squid beak, top assorted fish bone, offal.	Small pieces of squid flesh.	Bare brood patch.
54032	Squid trawler	2064	20	1	4/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	2 squid mantles and 1 squid tentacle at bottom, 1 fish head at top (offal).	Squid flesh, beaks and eyeballs.	Bare brood patch.
54071	Squid trawler	2064	41	1	14/3/2005	SSW of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult	Male	1	Squid bits, offal.	Squid beak fragments, 1 yellow plastic, 1 green twine.	Heavy tail moult, heavy body moult, downy brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54055	Squid trawler	2065	27	1	24/2/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Female	4	Empty.	Squid beak fragments.	Bare, downy centre line pinning, brood patch.
54057	Squid trawler	2065	27	2	24/2/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Female	1	Fish offal.	Squid beak fragments, 2 pieces plastic.	Matted downy brood patch.
54062	Squid trawler	2065	27	3	24/2/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Empty.	Squid beak fragments.	Matted downy brood patch.
54058	Squid trawler	2065	27	4	24/2/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Empty.	Squid beak fragments, 1 piece plastic.	Downy brood patch.
54034	Squid trawler	2065	49	1	2/3/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Gone.
54089	Squid trawler	2065	60	1	6/3/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	Gone.	Empty.	Pinning brood patch.
54081	Squid trawler	2065	68	1	9/3/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	2	1 squid head and guts, offal, 1 nematode cyst.	Squid beak fragments, squid eyeballs.	Partly bare, pinning brood patch.
54085	Squid trawler	2065	68	2	9/3/2005	SSE of The Snares	Buller's albatross	<i>Thalassarche bulleri</i>	Sub-adult	Male	4	Squid bits, offal/discard.	Squid flesh bits, trace barnacle shell.	Strong body moult, downy brood patch.
54086	Squid trawler	2065	68	2A	9/3/2005	SSE of The Snares	Buller's albatross	<i>Thalassarche bulleri</i>	Un-known	?Female	Un-known	Gone.	Gone.	Outer 3 primaries old (all other moult gone).
54090	Squid trawler	2065	69	1	10/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	1 nematode cyst, 4 squid head and guts, 4 part mantles, offal.	Empty.	Mainly bare, some pinning brood patch.
54091	Squid trawler	2065	69	2	10/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	3	3 squid head and guts, 1 squid mantle, offal.	Squid sludge.	Trace body moult, downy pinning brood patch.
54080	Squid trawler	2065	73	1	11/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	1 nematode cyst, 5 squid head and guts, 1 whole <i>N. sloani</i> squid, offal.	Bile.	Pinning brood patch.
54082	Squid trawler	2065	18	1	12/3/2005	Halfway between The Snares and the Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Squid beaks and eyeballs, squid head, offal, 2 nematode cysts.	Squid beaks, squid eyeballs.	Matted downy, pinning brood patch.
54069	Squid trawler	2065	82	1	13/3/2005	N of Auckland Islands	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Female	2	Sludge.	Squid beak fragments.	Heavy body moult, some tail moult, downy pins brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (d/m/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54076	Squid trawler	2065	82	2	15/3/2005	N of Auckland Islands	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Female	1	1 squid head and guts, offal.	Squid beak fragments.	Heavy body moult, some tail moult, downy pins brood patch.
54088	Squid trawler	2065	90	1	18/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	5 squid head and guts, offal.	Squid beak fragments.	Trace body moult, downy pinning brood patch.
54084	Squid trawler	2065	97	1	20/2/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Squid flesh bits, offal, 2 nematode cysts.	Empty.	Pinning, bare brood patch.
54067	Squid trawler	2067	10	1	23/2/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	Squid offal.	5 squid eyeballs.	Pinning, downy brood patch.
54087	Squid trawler	2067	18	1	23/2/2005	SSE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	1 whole squid, 1 piece squid flesh, offal.	Squid beaks and tentacles.	Mainly bare, few pins on brood patch.
54143	Squid trawler	2067	18	2	23/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Squid offal, assorted bits, fish offal—assorted heads/tails.	Squid flesh and eyeballs.	Mainly bare brood patch, some pins, outer 3 primaries old.
54139	Squid trawler	2067	18	3	23/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	Offal—large fat tentacled squid head, fish tail/fm/guts, assorted bits of 2 N. sloani.	Squid beak fragments and eyeballs.	Matted downy pins on brood patch, outer 3 primaries old.
54129	Squid trawler	2067	18	4	23/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Squid offal—heads/guts (bottom) fish offal—2 heads (middle), squid offal—2 heads/guts (top).	Squid rays, squid beak fragments.	Bare brood patch, some pins, outer 3 primaries old.
54109	Squid trawler	2067	18	5	23/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	4 squid heads, 2 squid beaks bolus, offal.	Seaweed, few worms.	Pinning, downy brood patch.
54108	Squid trawler	2067	18	6	23/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	3	Barracuda head (bottom) squid head and bits, small baby ghost shark (with egg sack attached) offal.	1 piece of fish gut.	Few pins, bare brood patch.
54110	Squid trawler	2067	18	7	23/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	2 whole squid—discards, assorted fish guts, bone and flesh.	Squid beaks and eyeballs.	Bare, few pins on brood patch.
54134	Squid trawler	2067	18	8	23/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Barnacle shell (bottom), squid offal—2 heads/guts (top).	Barnacle shell.	Bare brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (d/m/m/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54131	Squid trawler	2067	18	10	23/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	Small squid offal/discard—8 squid mantles, 9 squid head/tentacles.	Squid beak.	Downy pins on brood patch.
54130	Squid trawler	2067	18	18	23/2/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Fish head (barracuda)—fish guts/bones—offal.	Fish eyeballs—fish bones.	Mainly bare brood patch, some downy pins.
54133	Squid trawler	2067	24	1	25/2/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Female	3	Empty.	Empty.	Downy brood patch, outer 3 primaries old.
54132	Squid trawler	2067	26	1	26/2/2005	E of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	Empty.	Empty.	Bare brood patch, outer 3 primaries old.
54083	Squid trawler	2067	27	1	26/2/2005	E of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	3	7 squid heads and guts, 1 squid mantle, offal.	Sludge.	Pinning brood patch.
54097	Squid trawler	2067	58	1	12/3/2005	E of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	Empty.	Empty.	Outer 3 primaries old, pinning brood patch.
54113	Squid trawler	2067	66	1	15/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	4 squid head and guts, offal.	Gone.	Downy pins on brood patch.
54149	Squid trawler	2067	66	2	15/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	3	Squid offal—5 head/guts.	Squid beak.	Mainly bare brood patch, fresh pins, outer 3 primaries old.
54137	Squid trawler	2067	67	1	16/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	2	Squid offal—1 whole squid, 1 tentacle.	Squid flesh, squid eyeballs.	Small bare patch on brood patch.
54030	Squid trawler	2069	6	1	22/2/2005	Off Puysegur Point	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	2 small nematode cysts, empty.	Squid beaks and eyeballs, bile.	Mainly bare, some pinning brood patch.
54863	Squid trawler	2070	15	1	25/2/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	1 whole squid in throat, 6 squid head/guts, (half with tentacles), offal.	Squid eyeballs.	Downy pins on brood patch.
54303	Squid trawler	2070	20	1	26/2/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	2 squid head/guts 1 with tentacles), offal.	Empty.	Some pinning brood patch.
54305	Squid trawler	2070	20	2	26/2/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	7 squid head/guts/tentacles, offal.	Squid beaks, squid eyeballs.	Trace body moult, mostly downy pins on brood patch.

Continued on next page

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54296	Squid trawler	2070	21	1	26/2/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	1 squid head/guts/tentacles, offal.	Empty.	Outer 3 primaries bare (few pins) brood patch.
54257	Squid trawler	2070	23	1	27/2/2005	N of Auckland Islands	White-chinned petrel	<i>Procellaria aequirostris</i>	Adult breeder	Male	1	4 squid head/guts, 1 small whole squid, proventricular oil, offal.	Squid beak fragments.	Bare (some pinning) brood patch.
54307	Squid trawler	2070	25	1	27/2/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	4 squid head/guts/tentacles, 4 squid head/guts, offal.	Squid flesh, squid eyeballs	Trace body moult, partly bare downy pins on brood patch.
54308	Squid trawler	2070	25	2	27/2/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	1 squid head/guts, assorted squid pieces, offal.	Empty.	Downy pins brood patch.
54309	Squid trawler	2070	30	1	1/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	9 squid head/guts/tentacles, 3 squid mantles, offal.	Squid beaks.	Mainly bare (few pins) brood patch.
54310	Squid trawler	2070	30	2	1/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	Seaweed, 4 squid head/guts (no tentacles), offal.	Squid beak bolus, squid eyeballs.	Trace body moult, downy brood patch.
54173	Squid trawler	2070	30	3	1/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Female	1	1 arrow squid, squid head and guts, offal.	Empty.	Downy brood patch, outer 3 primaries old.
54153	Squid trawler	2070	35	1	2/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	4	Empty.	Small squid eyeballs.	Bare brood patch.
54304	Squid trawler	2070	39	1	3/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	3 squid head/guts, 2 squid beak bolus, 2 squid tentacles, offal.	Empty.	Trace body moult, mainly bare (few pins) brood patch.
54306	Squid trawler	2070	39	2	3/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	Few squid beak and eyeballs, 1 nematode cyst.	2 squid beak bolus, salp tests, squid eyeballs.	Mainly bare (few pins) brood patch.
54280	Squid trawler	2070	40	1	3/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	3	Empty.	Bile, empty.	Bare (few pins) brood patch.
54278	Squid trawler	2070	43	1	4/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	3	5 squid head/guts/tentacles, offal.	Squid flesh.	Downy brood patch.
54174	Squid trawler	2070	52	1	7/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	Squid offal.	Squid beak fragments, 1 seaweed.	Bare (pinning) brood patch.
54279	Squid trawler	2070	53	1	7/6/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	2	11 squid head/guts (half with tentacles) offal.	Small squid squid eyeballs.	Downy brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54151	Squid trawler	2070	54	1	7/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	2 nematode cysts, squid offal—2 heads.	Squid offal—flesh.	Downy brood patch, outer 3 primaries old.
54262	Squid trawler	2070	55	1	7/3/2005	N of Auckland Islands	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Female	1	Cone.	Squid beak fragments, worms.	Heavy body moult; some tail moult, downy pins brood patch.
54289	Squid trawler	2070	58	1	8/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	Empty.	Empty.	Moderate, outer primaries old, downy pins brood patch.
54150	Squid trawler	2070	60	1	8/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Squid offal—head (thick tentacles).	Goose barnacles.	Bare brood patch, few pins, outer 3 primaries old.
54203	Squid trawler	2070	74	1	11/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Empty, 4 nematode cysts.	Seed, squid beak fragments, fish bones, ooliths.	All primaries new, mainly bare (few pins) brood patch.
54204	Squid trawler	2070	74	2	11/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	Fish guts and offal, 3 nematode cysts.	Fish flesh, worms.	Part bare brood patch.
54292	Squid trawler	2070	79	1	12/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	5 squid head/guts (3 with tentacles).	Empty.	Mainly bare (few pins) brood patch.
54293	Squid trawler	2070	79	2	12/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	1 squid head/guts/tentacles, 1 whole squid, offal.	Barnacle, seaweed, squid flesh.	Outer 3 primaries old, mainly bare (few pins) brood patch.
54290	Squid trawler	2070	79	3	12/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	1 squid head/guts (with tentacles) offal.	Empty.	Trace body moult, outer 3 primaries old, downy pins brood patch.
54291	Squid trawler	2070	79	4	12/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	1 squid head/guts, offal.	Squid beaks.	Pinning brood patch.
54268	Squid trawler	2070	88	2	14/3/2005	N of Auckland Islands	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	Fish paste.	Squid beak fragments.	Downy brood patch.
54120	Squid trawler	2070	162	1	2/4/2005	N of Auckland Islands	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	1	Empty.	Squid beak fragments.	Mostly downy, some pinning at edges of brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54142	Squid trawler	2071	25	1	4/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	3	Empty, 3 nematode cysts.	Few squid eyeballs, 1 otolith.	Mainly bare brood patch, some pins.
54263	Squid trawler	2071	32	1	7/3/2005	N of Auckland Islands	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult breeder	Female	2	Empty.	Squid beak fragments.	Heavy body moult, some tail moult, pinning brood patch.
54138	Squid trawler	2071	41	1	9/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	2	Goose barnacle (bottom) squid offal—bits (top).	Seaweed, goose barnacles.	Downy pins on brood patch.
54118	Squid trawler	2071	65	1	15/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	7 squid head/guts—offal.	Empty.	Strong body moult, pins on brood patch.
54183	Squid trawler	2071	69	3	16/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	2	Squid head in throat, 6 squid head and guts, offal.	Empty.	All primaries new, mainly bare (some pins) brood patch.
54114	Squid trawler	2071	70	1	16/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Unknown	?Male	Unknown	Gone.	Gone.	Gone.
54160	Squid trawler	2071	76	1	18/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	3	Squid offal—head/guts, 2 nematode cysts.	Empty.	Partly bare brood patch, downy pins.
54240	Squid trawler	2071	82	1	19/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	3 squid/head/guts, offal.	Gone.	Strong body moult, downy brood patch.
54237	Squid trawler	2071	93	1	23/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	3 squid/head/guts, offal.	Proventricular oil.	Outer 3 primaries old, downy pins on brood patch.
54299	Squid trawler	2071	96	1	24/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	1	2 squid head/guts, offal.	Squid beak fragments.	Outer 3 primaries old, downy brood patch.
54141	Squid trawler	2071	96	2	24/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	4	Squid offal (in mouth).	Squid beaks.	Downy brood patch, outer 3 primaries old.
54298	Squid trawler	2071	96	3	24/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	4	Empty, 3 nematode cysts.	Fish eyeballs.	Greased.
54125	Squid trawler	2071	100	1	25/3/2005	N of Auckland Islands	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult breeder	Male	4	Proventricular oil, squid flesh bits—offal.	Squid beak fragments, worms, 1 piece pink plastic.	Some body moult, matted downy pins on brood patch.
54124	Squid trawler	2071	100	2	25/3/2005	N of Auckland Islands	White-chinned petrel	<i>Procellaria aequinoctialis</i>	Adult breeder	Female	2	Proventricular oil, 2 squid heads and part of mantle—offal.	Squid beak fragments, few worms.	Heavy body moult, matted downy pins on brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54116	Squid trawler	2071	102	1	26/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Female	2	2 nematode cysts, 1 squid head/tentacles—offal.	Empty.	Downy brood patch.
54140	Squid trawler	2071	103	1	26/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	?Female	3	Gone.	Gone.	Brood patch gone.
54117	Squid trawler	2071	115	1	30/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	6 squid head/guts—offal.	Squid beaks.	Strong body moult; downy brood patch.
54128	Squid trawler	2071	118	1	31/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	Squid sludge.	Proventricular oil.	Heavy body moult; large pins on brood patch.
54126	Squid trawler	2071	121	1	4/4/2005	S of The Snares	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Male	3	1 squid head—offal.	Squid beak fragments.	Heavy tail moult; some body moult; pinning brood patch.
54261	Squid trawler	2072	17	1	24/2/2005	N of Auckland Islands	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult	Male	2	Proventricular oil, squid head/guts, squid mantle—offal.	Squid beak fragments.	Matted downy brood patch.
54300	Squid trawler	2072	19	1	25/2/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Fish offal(fins, backbone, flesh).	Fish bones.	Outer 3 primaries bare oldish, bare brood patch.
54159	Squid trawler	2072	41	1	3/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Squid offal—bits and eyeballs, 1 nematode cyst.	Squid beaks, eyeballs and flesh.	Bare brood patch, some downy pins, outer 3 primaries old.
54286	Squid trawler	2072	88	1	16/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Female	3	1 squid head/guts, 1 whole squid offal.	Empty.	Outer 3 primaries very old, downy brood patch.
54285	Squid trawler	2072	88	2	16/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	2 squid head/guts, offal.	Empty.	Outer 3 primaries old, central pinning patch, rest downy brood patch.
54158	Squid trawler	2072	117	1	24/3/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	Squid head/tentacle in mouth, 3 nematode cysts, squid offal—4 head/guts, 1 whole <i>N. sicani</i> .	Fish bones and vertebrae.	Downy pins on brood patch.
54232	Squid trawler	2072	118	1	24/3/2005	SW of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Un-known	?Male	Un-known	Gone.	Gone.	Gone.
54209	Squid trawler	2077	28	1	16/3/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	5 squid mantles, offal.	Squid beak.	Downy brood patch, outer 3 primaries old.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54206	Squid trawler	2077	56	2	23/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	Empty 2 nematode cysts.	Squid beak fragments, squid eyeballs.	Bare (few pins) on brood patch, outer 3 primaries old.
54202	Squid trawler	2077	56	3	23/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	2	Empty.	Apple peel, salp tests.	Downy brood patch, outer 3 primaries old.
54207	Squid trawler	2077	58	4	23/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	Squid bits, offal.	Empty.	Left wing outer primary new and other 2 old, right wing outer primaries old, part bare brood patch.
54208	Squid trawler	2077	120	5	16/4/2005	NE of Auckland Islands	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	3	Fish waste, offal.	Otoliths, fish skin, fish eyeballs, worms.	Bare brood patch.
54272	Squid trawler	2081	12	1	15/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	?Female	Unknown	Gone.	Goose barnacles.	Gone.
54217	Squid trawler	2081	22	1	20/3/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Empty.	Squid beak fragments.	Downy brood patch.
54287	Squid trawler	2081	24	1	20/3/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	1 piece squid mantle, offal.	Empty.	Pinning brood patch.
54239	Squid trawler	2081	28	1	22/3/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Male	1	3 nematode cysts, 1 squid offal and eyeballs.	Squid beak fragments, squid eyeballs.	Outer 3 primaries old, downy pins on brood patch.
54275	Squid trawler	2081	31	1	23/3/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Unknown	Unknown	Gone.	Gone.	Downy brood patch.
54230	Squid trawler	2081	48	1	30/3/2005	SW of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	2	1 nematode cyst, 5 squid heads/guts, 2 squid mantles, offal.	Empty.	Trace body moult, outer 3 primaries old, downy brood patch.
54229	Squid trawler	2081	54	1	1/4/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	4	Empty 3 nematode cysts.	Pair small squid beaks, 3 pairs small squid eyeballs.	Strong body moult, downy brood patch.
54182	Squid trawler	2081	58	1	3/4/2005	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	1 whole arrow squid, 1 head of arrow squid.	Empty.	Downy brood patch.
54175	Squid trawler	2081	58	2	3/4/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	Squid offal.	Squid beak fragments.	Downy brood patch.
54179	Squid trawler	2081	58	3	3/4/2005	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	Fish paste.	Squid beak fragments.	Some tail moult, downy brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54236	Squid trawler	2081	64	1	8/4/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult breeder	Female	1	Empty.	Squid beak fragments, squid eyeballs.	Outer 3 primaries old, downy pins on brood patch.
54214	Squid trawler	2081	68	1	10/4/2005	NE of Auckland Islands	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	4	Fish paste.	Empty.	Downy brood patch.
54187	Squid trawler	2081	73	1	12/4/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	Fish paste.	Squid beak fragments, rattail and lanternfish otoliths, 1 piece plastic.	Pinning down on brood patch.
54190	Squid trawler	2081	73	2	12/4/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Empty.	Squid beak fragments.	Downy brood patch.
54193	Squid trawler	2081	73	3	12/4/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	1	Fish paste.	Squid beak fragments, fish eyeballs.	Downy pins on brood patch.
54192	Squid trawler	2081	73	4	12/4/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	2	Empty.	Empty.	Downy pins on brood patch.
54188	Squid trawler	2081	73	5	12/4/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Squid tentacle offal.	Squid beak fragments.	Downy brood patch.
54194	Squid trawler	2081	73	6	12/4/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	Empty.	Squid beak fragments.	Downy brood patch.
54195	Squid trawler	2081	73	7	12/4/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	2	Bait fish.	Squid beak fragments, fish eyeballs.	Downy pins on brood patch.
54191	Squid trawler	2081	73	8	12/4/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	1	Empty.	Squid beak fragments, rattail otolith.	Downy pins on brood patch.
54178	Squid trawler	2081	74	1	13/4/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	1	Empty.	Fish bones, skin—offal.	Downy brood patch.
54177	Squid trawler	2081	74	2	13/4/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	1 rattail, 1 piece fish offal.	Empty.	Downy brood patch.
54180	Squid trawler	2081	74	3	13/4/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	1 nearly whole arrow squid.	Squid beak fragments.	Downy brood patch.
54176	Squid trawler	2081	74	4	13/4/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Empty.	Fish eyeballs, bones and skin offal.	Downy brood patch.
54181	Squid trawler	2081	74	5	13/4/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Empty.	Squid beak fragments.	Downy brood patch.
54220	Squid trawler	2081	75	1	13/4/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Fish paste.	Squid beak fragments, 1 piece plastic.	Downy brood patch.
54218	Squid trawler	2081	76	1	14/4/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Empty.	Fish bones, offal.	Downy brood patch.
54218	Squid trawler	2081	82	1	16/4/2005	NE of Auckland Islands	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	0	Squid beak fragments, fish bones.	Downy brood patch.
54231	Squid trawler	2081	87	1	19/4/2005	N of Solander Island	Goldfinch	<i>Carduelis carduelis</i>	Adult	Unknown	Unknown	Unknown.	Unknown.	Unknown.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54238	Squid trawler	2081	100	1	27/4/2005	Mouth of Clutha River	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	3	Rattail (250 mm) discard? ooliths, fish eyeballs, squid beaks.	Fish eyeballs, ooliths, squid beak fragments, squid eyeballs.	Strong body moult, moderate tail moult, outer 3 primaries new, downy brood patch.
54215	Squid trawler	2081	100	2	27/4/2005	S of Clutha River	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	2	3 rattail (122 cm long), mostly fish offal.	Fish bones, offal.	Downy pins on brood patch.
54198	Squid trawler	2086	3	1	2/4/2005	S of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	2	Squid paste offal.	Squid beak fragments, 1 piece plastic.	Mostly downy central stripe (some pins) on brood patch.
54197	Squid trawler	2086	5	1	3/4/2005	N of Auckland Islands	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	3	Fish offal.	Squid beak fragments, 1 piece plastic.	Downy pins on brood patch.
54205	Squid trawler	2086	18	1	14/4/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	Empty.	1 large squid beak.	Downy brood patch.
54235	Squid trawler	2087	18	1	7/4/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	Removed (gone).	Seaweed, squid flesh, squid beaks, squid eyeball, offal.	Trace body moult, downy pins on brood patch.
54277	Squid trawler	2087	44	1	15/4/2005	N of Auckland Islands	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Male	1	Large assorted fish bones and skin, offal.	Fish bones.	Downy (pinning) brood patch.
54236	Squid trawler	2087	53	1	18/4/2005	SSE of The Snares	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Male	1	Empty, 1 nematode cyst.	Empty.	Bare (central patch) brood patch.
54216	Squid trawler	2087	57	1	19/4/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	2	Proventricular oil.	Fish bones offal, worms.	Downy brood patch.
54196	Squid trawler	2091	4	1	15/4/2005	NE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	2	Empty.	Empty.	Mostly bare brood patch.
54186	Squid trawler	2091	32	1	3/4/2005	SE of The Snares	Sooty shearwater	<i>Puffinus griseus</i>	Adult	Male	3	Empty.	Fish skin offal.	Downy brood patch.
54200	Squid trawler	2091	62	2	18/4/2005	SE of The Snares	Mottled petrel	<i>Pterodroma inexpectata</i>	Immature	Female	5	Empty.	Squid beak fragments, rope fragments, bile.	Downy brood patch.
54276	Squid trawler	2111	10	1	7/6/2005	S of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	1	Squid flesh offal.	Gone.	Trace body moult, downy brood patch.
54288	Squid trawler	2111	13	1	9/6/2005	SE of The Snares	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Female	1	Fish flesh.	Empty.	Strong body moult, downy brood patch.
54295	Squid trawler	2111	22	1	16/6/2005	S of The Snares	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	1	Empty, 4 nematode cysts.	Fish vertebrae, fish fin.	Outer 3 primaries old, downy brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
43963	Trawler	1974	163	2	1/10/2004	Pegasus Bay	White-chinned petrel	<i>Procellaria aequinoctialis steadii</i>	Adult	Female	3	Fish paste and large bones, offal.	Fish sludge, squid beak fragments, fish bones, skin, seaweed, 1 small stone.	Medium body moult downy brood patch.
43949	Trawler	1974	169	3	2/10/2004	Pegasus Bay	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Male	5	Holed, fish sludge, 1 worm.	Holed.	Bare brood patch.
54004	Trawler	2001	22	1	31/10/2004	Solander Trough	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Male	4	Fish guts and liver offal.	Large fish bones (offal).	Outer 3 primaries old, bare brood patch.
43981	Trawler	2001	42	1	6/11/2004	Solander Trough	White-chinned petrel	<i>Procellaria aequinoctialis steadii</i>	Adult breeder	Male	1	Fish guts and skin offal.	Squid beak fragments, fish skin.	Matted downy brood patch.
54006	Trawler	2001	59	1	12/11/2004	Tasman Basin (well W of Cape Foulwind)	White-capped albatross	<i>Thalassarche steadii</i>	Adult breeder	Female	4	Goose barnacles, fish guts (offal).	Seaweed, goose barnacles.	Bare brood patch.
54003	Trawler	2001	63	1	13/11/2005	Solander Trough	White-capped albatross	<i>Thalassarche steadii</i>	Adult	Male	1	Few small fish bones, 7 nematode cysts.	Fish bones.	Slightly matted, part bare brood patch.
54005	Trawler	2001	131	1	3/12/2004	Canterbury Bight	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Male	3	1 rattail, large quantity of fish flesh (offal) squid tentacles.	Small amount of proventricular oil.	Bare brood patch.
54251	Trawler	2025	59	1	16/1/2005	S central Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Male	1	Gurnard skin/fin, offal.	Seaweed, fish eyeballs, otoliths.	Outer 3 primaries old, downy pins on brood patch.
54252	Trawler	2025	59	2	16/1/2005	S central Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Female	1	Assorted fish bones, skin and flesh, offal.	Fish bones, otoliths.	Strong body moult, outer 3 primaries old, downy pins on brood patch.
54040	Trawler	2025	74	1	20/1/2005	W end of Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Male	1	Gone.	Gone.	Gone.
54152	Trawler	2054	23	1	9/2/2005	Chatham Rise	Black-browed albatross	<i>Thalassarche melanophrys</i>	Adult	Male	2	1 nematode cyst, otoliths, fish sludge/bones/eyeballs.	Fish bones, otoliths.	Downy brood patch, left and right wing ¼ primaries just emerging, heavy covert primaries and secondaries, undertail covert heavy.
54164	Trawler	2054	65	1A	18/2/2005	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Strong body moult, downy brood patch.

Continued on next page

Autopsy	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54165	Trawler	2054	65	1B	18/2/2005	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Un-known	?Female	Un-known	Gone.	Gone.	Outer 3 primaries old.
54166	Trawler	2054	18	1	20/2/2005	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Female	1	Empty.	1 fish bone.	Downy brood patch.
54115	Trawler	2054	105	1	28/2/2005	S. central Chatham Rise	Buller's albatross	<i>Thalassarche bulleri</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Outer 3 primaries old.
54161	Trawler	2054	111	1	1/3/2005	Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Sub-adult	Male	1	Fish offal—large quantity of skin, frames, fins.	Squid beaks and eyeballs, otoliths, piece of seastar.	Downy brood patch.
54172	Trawler	2054	115	1	2/3/2005	W of Chatham Rise	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Female	2	Fish bones, guts, fins and tails, otoliths, offal.	Fish bones.	Strong body moult, downy brood patch.
54121	Trawler	2054	153	1	12/3/2005	W of Chatham Rise	Sooty shearwater	<i>Puffinus griseus</i>	Adult non-breeder	Male	2	Proventricular oil.	Squid beak fragments, lanternfish otoliths, fish eyeballs, bones and skin offal.	Downy brood patch.
54135	Trawler	2054	162	1	14/3/2005	Chatham Rise	White-chinned petrel	<i>Procellaria aequinoctialis steadi</i>	Adult breeder	Female	2	Proventricular oil, fish sludge.	Squid beak fragments, worms, fish skin.	Mostly downy brood patch with some pinning edges, heavy body moult, some tail moult.
54122	Trawler	2054	184	1	19/3/2005	Chatham Rise	Sooty shearwater	<i>Puffinus griseus</i>	Adult breeder	Male	3	Squid offal, 10 lanternfish otoliths.	Squid beak fragments, lanternfish otoliths, fish eyeballs, bones and skin offal.	Part downy pinning brood patch.
54168	Trawler	2054	212	1	28/3/2005	W of Chatham Rise	Buller's albatross	<i>Thalassarche bulleri</i>	Adult breeder	Female	1	Large fish bones, discards, 1 piece of bark (wood).	Fish bones, otoliths, large fish eyeballs.	Downy, some pins on brood patch.
54264	Trawler	2101	104	1	11/6/2005	NNW of Chatham Island	Grey petrel	<i>Procellaria cinerea</i>	Adult breeder	Male	3	Proventricular oil.	Squid beak fragments, worms.	Moderate body moult, downy pins on brood patch.
54327	Trawler	2106	20	1	13/6/2005	N Mernoo Bank	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Female	1	Fish skin, guts offal, 2 nematode cysts.	Squid beak.	Outer 3 primaries old, downy brood patch, trace body moult.
54297	Trawler	2112	66	1	23/6/2005	W of Hokitika	White-capped albatross	<i>Thalassarche steadi</i>	Adult	Male	2	Full—fish offal, (flesh, skin, otoliths, eyeballs,) squid beaks.	Squid beak fragments, squid eyeballs.	Downy brood patch.

Autopsy no.	Vessel type	Trip no.	Haul no.	Sample no.	Date (dd/mm/yy)	General position	Species common name	Species scientific name	Age	Sex	Fat score	Stomach contents	Gizzard contents	Moult
54294	Trawler	2112	67	1	23/6/2005	W of Hokitika	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Female	1	Fish flesh and bones, skin, otoliths, offal, piece of green string.	Fish bones.	Downy brood patch.
54266	Trawler	2115	56	1	18/6/2005	NW of Cape Farewell	Fairy Prion	<i>Pachyptila turtur</i>	Adult	Male	3	Empty.	2 pieces white plastic, tiny squid beaks.	Downy brood patch.
54267	Trawler	2115	56	2	18/6/2005	NW of Cape Farewell	Fairy Prion	<i>Pachyptila turtur</i>	Adult	Male	3	Fish flesh and skin, offal.	Small otoliths, small squid beak fragments.	Downy brood patch.
54335	Trawler	2122	11	1	1/7/2005	N of Abut Head	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Female	1	Empty, 2 nematode cysts.	Piece barnacle shell.	Brood patch downy pins, heavy body moult, outer 3 primaries old.
54316	Trawler	2125	13	1	6/7/2005	W of Hokitika	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Male	2	Fish fins, guts, offal, 1 piece of seaweed.	1 piece seaweed, fish eyeballs, otoliths, pair squid beaks.	Outer 3 primaries old, downy pins brood patch, strong body moult.
54315	Trawler	2125	30	1	11/7/2005	W of Hokitika	White-capped albatross	<i>Thalassarche steadi</i>	Sub-adult	Female	5	Fish guts offal.	Fish eyeballs, otoliths, vertebrae, worms.	Outer 3 primaries old, downy brood patch.
54332	Trawler	2125	35	1	12/7/2005	SW of Hokitika	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Female	1	Empty, 6 nematode cysts.	Empty.	Downy brood patch, heavy body moult.
54345	Trawler	2137	41	1	12/9/2005	Cook Strait	Southern cape pigeon	<i>Daption capense</i>	Adult	Male	3	Proventricular oil, fish bits and skin offal top of stomach.	Squid beak fragments.	Downy brood patch.
54348	Trawler	2137	48	1	15/09/2005	Cook Strait	Salvin's albatross	<i>Thalassarche salvini</i>	Adult breeder	Female	4	Large fish vertebrae offal, otolith, 3 nematode cysts.	Large fish vertebrae.	Bare brood patch.
54347	Trawler	2137	48	2	15/9/2005	Cook Strait	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Male	1	Fish bones, skin, flesh offal.	Seaweeds squid beaks, otolith.	Downy brood patch.
54340	Trawler	2137	51	1	16/9/2005	Cook Strait	Salvin's albatross	<i>Thalassarche salvini</i>	Adult	Male	2	Fish bones, eyeball, flesh offal.	Fish bones.	Downy brood patch.
54343	Trawler	2139	52	1	28/8/2005	SW of Solander 1	Buller's albatross	<i>Thalassarche salvini</i>	Un-known	Un-known	Un-known	Gone.	Gone.	Unknown.
54346	Trawler	2139	55	2	29/8/2005	SW of Solander 1	Common diving petrel	<i>Pelecanoides urinatrix</i>	Sub-adult	Female	3	Empty.	Empty.	Downy brood patch.
54342	Trawler	2142	7	1	12/8/2005	N Chatham Rise	Buller's albatross	<i>Thalassarche bulleri</i>	Adult	Female	1	Small squid beak, 2 nematode cysts.	Squid ray.	Downy brood patch, strong body moult.
54341	Trawler	2142	144	1	7/9/2005	W of Hokitika	Campbell albatross	<i>Thalassarche impavida</i>	Sub-adult	Male	3	Proventricular oil, 2 nematode cysts.	Proventricular oil, fish vertebrae, squid beaks.	Downy brood patch, strong body moult.
54344	Trawler	2142	8	1	20/8/2005	S of Bounty Is	Grey petrel	<i>Procellaria cinerea</i>	Adult	Male	1	Fish flesh and bones—offal.	Squid beak fragments.	Downy brood patch, strong body moult.