

TABLE 3 continued
 AUTOPSY IDENTIFICATIONS AND DETAILS for period 1 January 1998 to 30 September 1998.

AUTOPSY #	age	sex	fat score	stomach contents	gizzard contents	moult
980014	adult	female	3	squid + fish bait	squid beaks	downy brood patch, old wing
980018	adult	female	4	bait fish fillet	squid beaks	downy brood patch
980069	adult	female	2	fish sludge	squid beaks	downy brood patch
980070	adult	female	2	empty	squid beaks	downy brood patch
980078	adult	female	2	bait fish, large fish vertebrae, fish sludge, possible plastic	squid beaks + fish bones	downy brood patch
980015	adult	female	3	bait fish + hook	squid beaks	downy brood patch, tail one pin feather and three very old feathers
980029	adult	female	3	bait fish	squid beak + fish bones + stones	downy brood patch
980030	adult	female	2	bait fish	squid beaks + fish bones	downy brood patch
980032	adult	female	2	bait fish	squid beaks	downy brood patch, body moult starting, four/five pin feathers in tail
980076	adult	female	2	2 bait fish	squid beaks + fish bones	downy brood patch, odd pin feather on body
980019	adult	female	3	bait fish	squid beaks	downy brood patch
980085	adult	female	3	bait fish + sludge	squid beaks + fish bones	downy brood patch, body moult starting (odd pin feather)
980086	adult	female	3	bait fish + proventricular oil	squid beaks	downy brood patch
980022	adult	female	3	bait fish + hook	squid beaks	downy brood patch, few pin feathers on chest
980033	adult	female	2	bait fish	squid beaks	downy brood patch, body moult starting
980020	adult	female	3	bait fish	empty	downy brood patch, many pin feather on body
980021	adult	female	3	bait fish fillet	squid beaks, stones, fish bones	downy brood patch, few pin feathers on chest
980031	adult	female	3	squid + bait fish	squid beak	downy brood patch
980075	adult	female	2	bait fish	squid beaks, fish bones, eyeballs	downy brood patch, odd pin feather on body
980081	adult	female	2	empty	squid beaks + fish bones	downy brood patch
980088	adult	female	3	bait fish	squid beaks	downy brood patch
980080	adult	female	2	2 bait fish	squid beaks, fish bones, stones	downy brood patch, lots of pin feathers on body
980017	adult	female	3	bait fish + hook	fish bones + squid beaks	downy brood patch
980084	adult	female	3	bait fish + sludge	squid beaks	downy brood patch, body moult starting (odd pin feather)
980089	adult	female	2	squid	squid beaks	downy brood patch, odd pin feather on body

TABLE 3 continued
 AUTOPSY IDENTIFICATIONS AND DETAILS for period 1 January 1998 to 30 September 1998.

AUTOPSY #	Vessel type	Trip no.	Haul no.	Sample no.	Date	General Position	Species english name	Species scientific name
980083	joint venture tuna longliner	1108	83	2921	11/8/98	East Cape	Grey Petrel	<i>Procellaria cinerea</i>
980145	joint venture tuna longliner	1107	39	515	11/6/98	off West Coast South Is.	Light-mantled Sooty Albatross	<i>Phoebastria palpebrata</i>
980116	joint venture tuna longliner	1105	62	788	13/7/98	East Cape	Northern Giant Petrel	<i>Macronectes halli</i>
980147	joint venture tuna longliner	1106	65	436	11/7/98	East Cape	Salvin's Albatross	<i>Thalassarche salvini</i>
980156	joint venture tuna longliner	1109	1	4	10/5/98	Snares Shelf	Southern Royal Albatross	<i>Diomedea epomophora</i>
980136	joint venture tuna longliner	1107	4	69	3/5/98	Snares Shelf	White-chinned Petrel	<i>Procellaria aequinoctialis steadi</i>
980171	scampi trawler	1087	17	1	24/2/98	off Snares Shelf	Sooty Shearwater	<i>Puffinus griseus</i>
980172	scampi trawler	1087	24	1	28/3/98	off Snares Shelf	Sooty Shearwater	<i>Puffinus griseus</i>
980173	scampi trawler	1087	24	2	28/3/98	off Snares Shelf	Sooty Shearwater	<i>Puffinus griseus</i>
980202	squid trawler	1072	6	1	2/2/98	Snares Shelf	Sooty Shearwater	<i>Puffinus griseus</i>
980194	trawler	1115	26	2	18/6/98	Hikurangi Trench	Antarctic Prion	<i>Pachyptila desolata</i>
980118	trawler	1101	74		16/4/98	Chatham Rise	Buller's Albatross	<i>Thalassarche bulleri</i>
980120	trawler	1101	31		16/4/98	Hikurangi Trench	Campbell Albatross	<i>Thalassarche impavida</i>
980023	trawler	1150	13	1	5/9/98	Bounty Rise	Grey Petrel	<i>Procellaria cinerea</i>
980215	trawler	1115	26	1	18/6/98	Hikurangi Trench	Grey-faced Petrel	<i>Pterodroma macroptera</i>
980209	trawler	1092	31	1	22/3/98	Snares Shelf	Sooty Shearwater	<i>Puffinus griseus</i>
980205	trawler	1092	46	1	25/3/98	Snares Shelf	Sooty Shearwater	<i>Puffinus griseus</i>
980208	trawler	1092	49	1	26/3/98	Snares Shelf	Sooty Shearwater	<i>Puffinus griseus</i>
980211	trawler	1092	49	2	26/3/98	Snares Shelf	Sooty Shearwater	<i>Puffinus griseus</i>
980134	trawler	1086	86	1	27/3/98	Chatham Rise	Sooty Shearwater	<i>Puffinus griseus</i>

TABLE 3 continued
AUTOPSY IDENTIFICATIONS AND DETAILS for period 1 January 1998 to 30 September 1998.

AUTOPSY #	age	sex	fat score	stomach contents	gizzard contents	moult
980083	adult	female	2	bait fish + fillet	squid beaks + fish bones	downy brood patch, body moult starting (some pin feathers), tail has one pin feather
980145	adult	male	3	2 bait squid	empty	downy brood patch, body and tail moulting,
980116	immature	female	1	bait squid	empty	downy brood patch, body moult mixture of dark and pale feathers
980147	adult	female	1	empty	squid beaks	downy brood patch, tail partially moulting
980156	adult	male	5	empty	eyeballs + green plastic (?)	downy brood patch, some body moult
980136	adult	female	3	head of bait fish	empty	downy brood patch, moderate body moult
980171	adult	male	2	oil + munida	munida, squid beaks, fishbones	downy brood patch
980172	adult	male	2	2 x saury + many otoliths mainly gemfish	eyeballs & otoliths	thinly downy in centre of brood patch
980173	adult	male	1	four assorted fish (3 x rattail, 1 x S blue whiting)	empty	downy brood patch
980202	sub-adult	male	2	3 x fish pieces, squid, many amphipods	fishbones, otoliths, eyeballs, amphipod pieces	downy brood patch
980194	immature	male	4	empty	empty	body moult
980118	adult	female	2	empty	empty	downy brood patch, some body moult
980120	adult	male	3	6 small fish (bait?)	otoliths + eyeballs	downy brood patch, outer primaries on both wings moulting
980023	adult	male	4	bait fish fillet	squid beaks, fish bones	downy brood patch, many pin feathers on chest, tail three quarters new and some partly grown
980215	adult	female	2	empty	rocks + squid beaks	downy brood patch, body moult
980209	adult	male	2	myctophid fishbones & otoliths	otoliths, eyeballs, squid beaks, small rock	partially downy brood patch
980205	adult	male	1	gill & neckbones fish (baitfish or discards)	otoliths, fishbones, nematodes, stone	partially downy brood patch
980208	adult	male	2	otolith	otoliths, eyeballs, nematode	partially downy brood patch
980211	adult	male	2	3 pieces baitfish, nematodes	otoliths	partially downy brood patch
980134	adult	male	2	empty	squid beaks	downy brood patch

TABLE 3 continued
 AUTOPSY IDENTIFICATIONS AND DETAILS for period 1 January 1998 to 30 September 1998.

AUTOPSY #	Vessel type	Trip no.	Haul no.	Sample no.	Date	General Position	Species english name	Species scientific name
980206	trawler	1092	56	1	27/3/98	Snares Shelf	Sooty Shearwater	<i>Puffinus griseus</i>
980210	trawler	1092	55	1	27/3/98	Snares Shelf	Sooty Shearwater	<i>Puffinus griseus</i>
980207	trawler	1092	84	1	3/4/98	Banks Peninsula	Sooty Shearwater	<i>Puffinus griseus</i>
980197	trawler	1101	13		9/4/98	Chatham Rise	Sooty Shearwater	<i>Puffinus griseus</i>
980203	trawler	1092	109	1	9/4/98	Snares Shelf	Sooty Shearwater	<i>Puffinus griseus</i>
980199	trawler	1101	15		10/4/98	Chatham Rise	Sooty Shearwater	<i>Puffinus griseus</i>
980200	trawler	1101	15		10/4/98	Chatham Rise	Sooty Shearwater	<i>Puffinus griseus</i>
980135	trawler	1086	135	1	11/4/98	Chatham Rise	Sooty Shearwater	<i>Puffinus griseus</i>
980204	trawler	1092	118	1	11/4/98	Snares Shelf	Sooty Shearwater	<i>Puffinus griseus</i>
980196	trawler	1101	20		13/4/98	Chatham Rise	Sooty Shearwater	<i>Puffinus griseus</i>
980212	trawler	1092	129		14/4/98	Snares Shelf	Sooty Shearwater	<i>Puffinus griseus</i>
980214	trawler	1092	1134		15/4/98	Snares Shelf	Sooty Shearwater	<i>Puffinus griseus</i>
980198	trawler	1101	36		18/4/98	Chatham Rise	Sooty Shearwater	<i>Puffinus griseus</i>
980201	trawler	1101	56		25/4/98	Chatham Rise	Sooty Shearwater	<i>Puffinus griseus</i>
980168	trawler	1101	74	1	1/5/98	Chatham Rise	Sooty Shearwater	<i>Puffinus griseus</i>
980213	trawler	1092	105		7/5/98	Chatham Rise	Sooty Shearwater	<i>Puffinus griseus</i>

TABLE 3 continued
AUTOPSY IDENTIFICATIONS AND DETAILS for period 1 January 1998 to 30 September 1998.

AUTOPSY #	age	sex	fat score	stomach contents	gizzard contents	moult
980206	adult	male	1	2 x pearlside fish, piece squid	otolith, eyeballs	partially downy brood patch
980210	adult	male	1	fish slurry, baitfish pieces, amphipods,	otolith, squid beaks	partially downy brood patch
980207	adult	male	4	baitfish or offcuts, squid & krill	squid beaks, eyeball	partially downy brood patch
980197	adult	male	2	well digested baitfish, oil, squid beak	otoliths, eyeballs, squid beaks, fish bones, down feathers	downy brood patch
980203	adult	female	1	sludge of fishbones, otoliths, amphipods & oil	otoliths, squid beaks, nematode	partially downy brood patch
980199	adult, breeder	male	2	proventricular oil and probable baitfish slurry	otoliths, eyeballs, squid beaks	partially bare brood patch
980200	adult, breeder	female	3	bait fish, squid, myctophid fish	otoliths, squid beaks, myctophid backbone	partially downy brood patch
980135	adult	female?	2	oil + fishbones	fishbones, otoliths, eyeballs, 2 x pieces fish skin	partially downy brood patch
980204	adult	male	2	baitfish pieces & amphipod sludge	squid beak + manuka beetle	partially downy brood patch
980196	adult	male	1	full baitfish pieces, otoliths, squid	fish skin, otoliths, eyeballs	partially downy brood patch
980212	adult	female	3	fresh baitfish pieces, fragment squid beaks	many squid beak fragments	downy brood patch
980214	adult	female	3	empty	fish scales, 2 stones, 6 x pieces plastic or electrical cable	partially downy brood patch
980198	adult	male	3	fish paste, otoliths, squid beaks, eyeballs, nematodes	manuka beetle, fish bone	partially downy brood patch
980201	adult	male	5	5 x baitfish pieces, krill eyes	otoliths, eyeballs, krill eyes, fishbones, sea snail shell, 100mm monofilament line	downy brood patch
980168	adult	female	2	pieces of 4 large whole fish	otoliths, eyeballs, squid beaks	thinly downy brood patch
980213	adult	male	2	2 x large rattails, otoliths	otoliths, squid beaks, eyeball	partially downy brood patch

TABLE 3 continued
 AUTOPSY IDENTIFICATIONS AND DETAILS for period 1 January 1998 to 30 September 1998.

AUTOPSY #	Vessel type	Trip no.	Haul no.	Sample no.	Date	General Position	Species english name	Species scientific name
980024	trawler	1158	7	1	14/9/98	Snares Shelf	Southern Cape Pigeon	<i>Daption c. capense</i>
980124	trawler	1061	106		22/1/98	Snares Shelf	White-capped Albatross	<i>Thalassarche steadi</i>
980222	trawler	1092	52	1	27/3/98	Snares Shelf	White-capped Albatross	<i>Thalassarche steadi</i>
980218	trawler	1092	113	1	10/4/98	Snares Shelf	White-capped Albatross	<i>Thalassarche steadi</i>
980223	trawler	1092	113	2	10/4/98	Snares Shelf	White-capped Albatross	<i>Thalassarche steadi</i>
980221	trawler	1092	121	1	12/4/98	Snares Shelf	White-capped Albatross	<i>Thalassarche steadi</i>
980220	trawler	1092	129	1	14/4/98	Snares Shelf	White-capped Albatross	<i>Thalassarche steadi</i>
980219	trawler	1092	147		18/4/98	Snares Shelf	White-capped Albatross	<i>Thalassarche steadi</i>
980216	trawler	1092	119	1	11/4/98	Snares Shelf	White-chinned Petrel	<i>Procellaria aequinoctialis steadi</i>
980217	trawler	1092	126	1	13/4/98	Snares Shelf	White-chinned Petrel	<i>Procellaria aequinoctialis steadi</i>
980166	trawler	1100	32	1	15/4/98	Chatham Rise	White-chinned Petrel	<i>Procellaria aequinoctialis steadi</i>

TABLE 3 continued
 AUTOPSY IDENTIFICATIONS AND DETAILS for period 1 January 1998 to 30 September 1998.

AUTOPSY #	age	sex	fat score	stomach contents	gizzard contents	moult
980024	unknown	male	4	empty	empty	downy brood patch
980124	adult	male	2	empty	empty	bare brood patch, outer primaries moulting
980222	adult	male	1	full, fish remains	empty	partially downy brood patch
980218	adult	male	1	full of fish bait fillets	empty	partially downy brood patch
980223	adult	female	3	full, fish remains	empty	partially downy brood patch
980221	adult	female	3	bait fish, fillets, sludge	empty	partially downy brood patch, outer tail moult
980220	adult	male	3	fish bones & sludge	empty	downy brood patch
980219	adult	female	1	fin rays and fish bones	empty	partially downy brood patch (bare strip down middle), wing moult outer primary left wing
980216	adult	male	2	fish sludge and oil	squid beaks	partially downy brood patch, body moult
980217	adult	female	2	sludge + oil	squid beaks	downy brood patch (bare edges)
980166	adult	female	3	empty	otoliths + squid beaks	downy brood patch

TABLE 4.

Analysis of identifications made by observers at sea when compared with autopsy identification for birds killed between 1 January and 30 September 1998

	<i>Correct ID</i>	<i>Wrong ID</i>	<i>ID as 'Wandering albatross'</i>	<i>ID not on label</i>
Antarctic Prion				1
Antipodean (Wandering) Albatross		28	(28)	4
Black Petrel	1			
Black-browed Albatross		1		1
Buller's Albatross	2			8
Campbell Albatross	7	1		4
Flesh-footed Shearwater	1			
Gibson's (Wandering) Albatross		18	(18)	1
Grey Petrel	65	1		7
Grey-faced Petrel				1
Light-mantled Sooty Albatross				1
Northern Giant Petrel		1		
Salvin's Albatross				1
Sooty Shearwater	2			24
Southern Cape Pigeon				1
Southern Royal Albatross				1
White-capped Albatross				7
White-chinned Petrel	1			4
TOTALS	79	50	(46)	66