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**REPORT ON BIRD BANDING
IN NEW ZEALAND**

1989-1990

by

Roderick O Cossee and Michael Wakelin

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ABSTRACT

During the 1989/90 banding year 22,668 birds of 97 species were banded and 348 previously banded birds were rebanded, bringing the grand total of individual birds banded in New Zealand over all years to 1,062,686. Two species previously not banded, Christmas Island Shearwater and Barbary Dove, were banded during the year. Bird banding was regulated by 25 individual permits and 24 institutional/group permits.

1.0 INTRODUCTION

Bird banding (ringing) is recognised worldwide as an important research tool for both amateur and professional ornithologists. In New Zealand it has been recognised as such since 1950, when the Ornithological Society of New Zealand started the first organised scheme. The Department of Internal Affairs soon followed suit with its banding scheme for game birds. The New Zealand National Banding Scheme as it exists today was initiated in 1967, when the two then existing schemes (run by the Dominion Museum and the New Zealand Wildlife Service, respectively) were joined together. Between 1967 and 1987 the scheme was run under the auspices of the Wildlife Service. In 1987 the New Zealand National Banding Scheme became one of the activities of the Science & Research Division, Department of Conservation.

The objective of the scheme is to accurately record information about habits and movements of birds. Apart from its value in understanding bird biology, such knowledge is essential for the effective conservation of native species, for management of game birds, as well as for the control of those species that are considered a nuisance.

This report summarises the bird-banding activity in New Zealand during the 1989/90 banding season and gives details of some interesting recoveries.

2.0 METHODS

Banding totals given are for 1 April 1989 to 31 March 1990. However, they may include some records for birds banded in previous years for which schedules did not arrive in time for inclusion in the 1988/89 report. Similarly totals relating to the present report year, which were received after the cut-off date for this report, were omitted. Previously banded birds which were rebanded during the year are not included in the totals, nor in Table 1. Details on rebanded birds may be found in Tables 2 and 4.

Although the Ornithological Society of New Zealand recently published an updated version of the *Checklist of the Birds of New Zealand* (1990), in which the order of species differs markedly from earlier published checklists, we have decided to adhere to the previous version for the sake of continuity. Hence the naming and order of species in this report is based on the *Annotated Checklist of the Birds of New Zealand* (1970 and subsequent amendments and additions). The species code numbers are those used by the Banding Scheme.

Numbers in open brackets denote provisional totals and figures in square brackets indicate birds banded as an unknown species of a particular genus. These latter are included in Table 1 as they contribute to the **total number of birds** banded. They are not included in the **total number of species** banded.

3.0 RESULTS

3.1 Banding

During the 1989/90 banding season 22,668 birds of 97 species were banded, and 348 previously banded birds were rebanded. Non-game species contributed 13,240 (58.4%) and game species 9,428 (41.6%) to the new birds banded.

The total number of birds banded in New Zealand up to the end of the present report year stands at 1,062,686 (previously 1,040,018); 157,586 (15%) of these have been recovered at least once. The total number of recoveries up to the end of the report year stands at 250,160 (24%).

The total number of species banded under the New Zealand National Banding Scheme over all years increased to 227. Christmas Island Shearwater and Barbary Dove were banded under the scheme for the first time. The numbers banded for each species are given in Table 1. Please note that rebanded birds have been excluded from this table.

A summary by age and sex for all birds banded during 1989/90 is given in Table 2. The 348 birds rebanded during the year have been included in this table under the heading 'RB'. This is to illustrate the overall banding effort.

3.2 Recoveries

A total of 5,958 recoveries has been coded and added to the database. However, it should be noted that not all these recoveries were reported during the report period. They contain a number of operator recoveries relating to previous years. A summary of recoveries processed can be found in Table 3. A further 9,960 recoveries, processed and punched during the previous report year, but not loaded into the database because the new storage system was still in the experimental stage, were also added during the year.

During the year 2,304 recoveries were reported by the general public. Most of these were processed on the day of receipt and all finders were sent the relevant banding information, as well as some additional information on the New Zealand National Banding Scheme, within a week. Here, the banding scheme plays a major role as an interface with the public. A quick and efficient response enhances the chances of members of the public sending in bands, as well as keeping up the standing of the Department. The New Zealand National Banding Scheme has the fastest response time for public recoveries of any scheme in the world, as well as the highest recovery rate!

Of the recoveries processed during this report period 2,286 records (38.4%) were for birds recovered dead and 3,672 (61.6%) for birds recovered alive or sighted by individual colour combinations. 1,972 (33.1%) of these birds had been recovered at least once before.

Of the birds recovered dead 1,942 (85%) related to game and 344 (15%) to non-game species. The live recoveries consisted of 2,031 (55.3%) game and 1,641 (44.7%) non-game birds.

The repeat recoveries were made up of 940 (47.7%) game and 1,032 (55.3%) non-game species.

Dead and live recoveries combined for each species group are 3,973 (66.7%) and 1,985 (33.3%) respectively.

The public recoveries consisted of 1,712 (74.3%) game birds and 592 (25.7%) non-game birds.

3.3 Operations

The new computer system is getting close to being fully operational. During the development period, we were plagued by many problems which slowed down the operation of the system as well as the day to day operations of the Banding Office. These problems were first with hardware but later mainly with software. Most of them have been ironed out now, but we have not yet reached the stage where the system can be completely commissioned. Even then it will take quite a few years before all errors that may have crept into the database during staffing problems in the early 1970s can be corrected; only after this can virtually error-free information be provided.

During the report year we improved the security of the original banding records (schedules) by the acquisition of three fireproof cabinets in which the schedules and the banding totals lists are now housed.

Bird banding in New Zealand during 1989/90 was regulated by 25 active individual and 24 institutional/group permits. The number of birds banded per species, plus the grand total for each permit, is given in Table 4.

4.0 INTERESTING RECOVERIES

Here are some of the more notable recoveries of the past year.

Two long-lived **Black-backed Gulls** were recovered. S-61971, aged 16 years, was banded as a pullus on Somes Island, Wellington Harbour, on 21/12/73. It was recovered dead on Somes Island on 1/11/89. S-58466 was banded as a pullus 10/12/72 on Rangitoto Island and recovered dead in April 1990 in Auckland, 17 years after banding.

Fairy Tern C-14706, banded as a pullus at Mangawhai Spit on 1/1/78, was found breeding at Mangawhai on 22/10/89, 11 years after banding.

Two birds from Kaikoura were recovered many years after banding: **Red-billed Gull** E-137178 was seen alive and healthy at Seatoun, Wellington on 18/4/89, 28 years after being banded as a pullus on 11/12/60. **White-fronted Tern** D-69307 banded as a pullus on 8/12/73, was found dead 17 years later (on 5/10/89) at the Kaikoura colony, where it was originally banded.

Variable Oystercatcher K-4615, was found dead at Tahakapa Bay, Southland on 27/10/90. It was banded as an adult female on 14/12/70 in the same area.

The finding of two adult **Australasian Gannets** has challenged the theory that only juveniles cross the Tasman Sea. M-14410 was found dead, washed up on the beach near Broulee, NSW (35°52'S, 150°11'E) on 30/10/89. The bird was 29 years old and had been back to New Zealand. It was initially banded as a pullus at Cape Kidnappers on 13/1/60 and was rebanded there twice as a breeding adult. M-35249 was 11 years old when it washed up dead at Pennington Bay, Kangaroo Island, South Australia (35°51'S, 137°45'E), on 9/2/90. It was banded as a pullus at Bush Island, off the Coromandel Peninsula on 26/1/79.

Grey-headed Mollmawk 125-4315, banded under the British Scheme as a chick on 28/7/89 at Bird Island, South Georgia (54°00'S, 38°02'W), was recovered dead on the Awhitu Peninsula, South Manakau Head on 26/12/89.

Southern Giant Petrel, 9-49816, was recovered dead on 17/6/90 at Taumutu, South Canterbury, four months after it was banded as a chick on 3/2/90 by the South Africans on Marion Island, Southern Ocean (46°54'S, 37°45'E).

Fiordland Crested Penguin, J-9676, banded as a pullus on Open Bay Island on 22/11/89 was recovered at Childers Cove, Victoria, Australia (38°29'S, 142°40'E) on 26/7/90.

Spotted Shag O-32623, banded as a pullus on Somes Island, Wellington Harbour, on 21/9/89 was found dead 6 months later (on 28/1/90) at Waihou Bay in the Bay of Plenty.

The Fishing Industry again proved a useful, albeit unfortunate, source of recoveries, with many oceanic birds being caught in nets or on hooks of longlines.

N.Z. Black-browed Mollymawk O-6510, banded as a pullus at Campbell Island on 7/4/67 was found dead in fishing gear sometime in 1988, in the Southern Ocean (43°30'S, 148°30'E).

Northern Royal Albatross R-32043, banded at Tairaroa head on 18/8/87 was recovered alive on 11/1/90 off the coast of Chile near Curico (34°54'S, 72°12'W).

Also recovered in Chile was a **Westland Black Petrel** (L-19580) found dead in a net at 43°15'S, 75° 12'W, it was banded as a pullus at Punakaiki on 7/11/81.

N.Z. Black-browed Mollymawk M-46540, banded on Campbell Island as a pullus on 27/3/88, was recovered dead in a trawl net off Portland, South Australia (38° 21'S - 141° 21'W), on 30/3/90.

Several **Knots** were recovered in the northern hemisphere:

C-30036, banded as an adult of unknown age at Jordan's, Kaipara Harbour on 28/2/87, was recovered dead on Sakhalin Island, USSR, on 14/7/90.

C-22369 was banded at Taramaire, Firth of Thames, on 8/6/80, also as an adult of unknown age. It was recovered dead in the same region as the previous bird in August 1983.

C-22312, also banded at Taramaire on 8/6/80, was recovered dead in the Kamchatka region on 1/7/81.

Two other birds, C-34111 and C-17481, banded at Jordan's on 28/2/87 and 2/3/80 respectively, were recovered shot in the Khabarovsk Region on 10/7/90 and November 1984.

A further two Knots, both banded at Jordan's, Kaipara Harbour on 28/2/87 and 23/2/89 respectively, were reported from the Shanghai area, China. C-31141 was killed on Chongming Island in May 1987, C-31498 was killed at Hangzhou Bay on 16/4/90.

5.0 ACKNOWLEDGEMENTS

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TABLE ONE
GENERAL BANDING TOTAL (REBRANDS EXCLUDED)

SPECIES NUMBER AND NAME	TOTAL PRE 1989	TOTAL 89/90	TOTAL FOR ALL YEARS
001 NORTH ISLAND BROWN KIWI	332	0	332
002 SOUTH ISLAND BROWN KIWI	4	0	4
003 STEWART ISLAND BROWN KIWI	21	0	21
004 LITTLE SPOTTED KIWI	121	0	121
012 YELLOW-EYED PENGUIN	3416	337	3753
026 NORTHERN BLUE PENGUIN	615	0	615
014 COOK STRAIT BLUE PENGUIN	1935	39	1974
016 WHITE-FLIPPED BLUE PENGUIN	10378	477	10855
015 SOUTHERN BLUE PENGUIN	726	0	726
017 ROCKHOPPER PENGUIN	2404	0	2404
019 FIORDLAND CRESTED PENGUIN	516	87	603
020 SNARES CRESTED PENGUIN	2179	0	2179
021 ERECT-CRESTED PENGUIN	43	0	43
041 WANDERING ALBATROSS	3002	0	3002
044 NORTHERN ROYAL ALBATROSS	2474	0	2474
043 SOUTHERN ROYAL ALBATROSS	32671	0	32671
045 BLACK-BROWED MOLLYMAWK	13	0	13
046 NEW ZEALAND BLACK-BROWED MOLLYMAWK	225	0	225
047 GREY-HEADED MOLLYMAWK	6340	0	6340
049 BULLER'S MOLLYMAWK	2101	1	2102
050 WHITE-CAPPED (SHY) MOLLYMAWK	561	0	561
052 SALVIN'S MOLLYMAWK	1296	0	1296
051 ISLAND MOLLYMAWK	1	1	2
054 LIGHT-MANTLED SOOTY ALBATROSS	437	0	437
109 NORTHERN GIANT PETREL	1239	0	1239
061 SOUTHERN GIANT PETREL	6	0	6
064 ANTARCTIC FULMAR	2	0	2
063 SNARES CAPE PIGEON	873	0	873
062 CAPE PIGEON	6800	0	6800
093 GREY-FACED PETREL	16422	549	16971
094 WHITE-HEADED PETREL	31	0	31
095 WHITE-NAPED PETREL	516	0	516
098 MOTTLED PETREL	382	0	382
110 SOFT-PLUMAGED PETREL	20	0	20
100 KERMADEC PETREL	950	0	950
111 CHATHAM ISLAND TAIKO	41	0	41
101 PYCROFT'S PETREL	459	6	465
102 GOULD'S PETREL	1	0	1
104 COOK'S PETREL	292	1	293
106 BLACK-WINGED PETREL	2460	278	2738
105 CHATHAM ISLAND PETREL	42	6	48
065 BLUE PETREL	1	0	1
066 BROAD-BILLED PRION	1590	0	1590
069 ANTARCTIC PRION	20	0	20
071 AUCKLAND ISLAND PRION	24	0	24
072 NARROW-BILLED PRION	1	0	1
073 FAIRY PRION	40317	0	40317
075 FULMAR PRION	61	0	61
074 FULMAR PRION	2	0	2
089 GREY PETREL	8	0	8
090 BLACK PETREL	607	129	736

TABLE ONE
GENERAL BANDING TOTAL (REBRANDS EXCLUDED)

SPECIES NUMBER AND NAME	TOTAL PRE 1989	TOTAL 89/90	TOTAL FOR ALL YEARS
091 WESTLAND BLACK PETREL	3186	175	3361
092 WHITE-CHINNED PETREL	31	0	31
077 FLESH-FOOTED SHEARWATER	1677	42	1719
078 WEDGE-TAILED SHEARWATER	311	150	461
079 BULLER'S SHEARWATER	1049	0	1049
080 SOOTY SHEARWATER	6648	24	6672
115 CHRISTMAS ISLAND SHEARWATER	0	1	1
082 FLUTTERING SHEARWATER	1629	48	1677
083 HUTTON'S SHEARWATER	1134	0	1134
084 NORFOLK ISLAND LITTLE SHEARWATER	1	0	1
085 KERMADEC LITTLE SHEARWATER	10	344	354
086 NORTH ISLAND LITTLE (ALLIED) SHEARWATER	409	56	465
087 SUBANTARCTIC LITTLE SHEARWATER	5	0	5
—— PRION SPECIES	[4]	0	[4]
121 LEACH'S FORK-TAILED PETREL	1	0	1
123 GREY-BACKED STORM PETREL	775	0	775
124 WHITE-FACED STORM PETREL	6377	100	6477
125 KERMADEC STORM PETREL	1	0	1
126 BLACK-BELLIED STORM PETREL	6	0	6
127 WHITE-BELLIED STORM PETREL	2	23	25
131 NORTHERN DIVING PETREL	6765	160	6925
133 SUBANTARCTIC DIVING PETREL	19	0	19
132 SOUTHERN DIVING PETREL	104	0	104
135 DIVING PETREL (SP.)	1	0	1
—— PETREL SPECIES	[1]	0	[1]
141 RED-TAILED TROPIC BIRD	119	0	119
142 WHITE-TAILED TROPIC BIRD	13	0	13
161 AUSTRALASIAN GANNET	15023	290	15313
162 BROWN BOOBY	1	0	1
163 MASKED (BLUE-FACED) BOOBY	247	198	445
171 BLACK SHAG	487	24	511
172 PIED SHAG	168	0	168
173 LITTLE BLACK SHAG	954	0	954
174 LITTLE (WHITE-THROATED) SHAG	116	0	116
176 STEWART ISLAND SHAG	2	0	2
179 AUCKLAND ISLAND SHAG	154	0	154
180 CAMPBELL ISLAND SHAG	66	0	66
182 SPOTTED SHAG	428	15	443
216 WHITE-FACED HERON	13	1	14
213 WHITE HERON	2	0	2
215 REEF HERON	47	1	48
220 CATTLE EGRET	1	0	1
218 BITTERN	7	0	7
242 MUTE SWAN	4	0	4
243 BLACK SWAN	(59980)	0	(59980)
241 CANADA GOOSE	(52517)	1167	(53684)
245 PARADISE SHELDUCK	(65094)	3118	(68212)
252 MALLARD	(86650)	2500	(89150)
259 HYBRID MALLARD (CROSS)	(1761)	0	(1761)
251 GREY DUCK	(34192)	2	(34194)
247 GREY TEAL	(1490)	0	(1490)

TABLE ONE
GENERAL BANDING TOTAL (REBRANDS EXCLUDED)

SPECIES NUMBER AND NAME	TOTAL PRE 1989	TOTAL 89/90	TOTAL FOR ALL YEARS
248 BROWN TEAL	(1609)	25	(1634)
249 AUCKLAND ISLAND TEAL	12	33	45
250 CAMPBELL ISLAND TEAL	3	0	3
253 NEW ZEALAND SHOVELER	(4494)	0	(4494)
254 BLUE DUCK	(148)	24	(172)
256 NEW ZEALAND SCAUP	(107)	0	(107)
— DUCK (GREY OR MALLARD)	[(13)]	0	[(13)]
272 AUSTRALASIAN HARRIER	4488	63	4551
281 NEW ZEALAND FALCON	38	6	44
296 CHUKOR	2167	10	2177
299 RED-LEGGED PARTRIDGE	15133	2036	17169
300 RED-LEGGED PARTRIDGE (HYBRID)	42	0	42
298 GREY PARTRIDGE	(14215)	0	(14215)
292 BROWN QUAIL	18	0	18
295 CALIFORNIA QUAIL	(12204)	0	(12204)
293 PHEASANT	(56678)	583	(57261)
331 BANDED RAIL	32	0	32
335 NORTH ISLAND WEKA	3474	0	450
336 WESTERN WEKA	450	0	31
337 BUFF WEKA	31	0	781
338 STEWART ISLAND WEKA	781	0	5
340 MARSH CRAKE	5	0	23
341 SPOTLESS CRAKE	23	0	1845
342 PUKEKO	1833	12	202
343 NOTORNIS	198	4	[1]
— WEKA SPECIES	[1]	0	1369
401 SOUTH ISLAND PIED OYSTERCATCHER	1334	35	281
402 VARIABLE OYSTERCATCHER	274	7	91
404 CHATHAM ISLAND OYSTERCATCHER	89	2	101
403 (BLACK OYSTERCATCHER)	101	0	629
411 SPUR-WINGED PLOVER	629	0	3
413 LEAST GOLDEN PLOVER (PACIFIC GOLDEN PLOVER)	1	2	324
418 NEW ZEALAND DOTTEREL	274	50	3904
415 BANDED DOTTEREL	3897	7	72
422 BLACK-FRONTED DOTTEREL	72	0	415
419 NEW ZEALAND SHORE PLOVER	415	0	2404
420 WRYBILL	2404	0	235
445 EASTERN BAR-TAILED	235	0	12
451 TURNSTONE	10	2	150
453 CHATHAM ISLAND SNIPE	150	0	274
454 SNARES ISLAND SNIPE	274	0	335
4 58 KNOT	2335	0	4
461 CURLEW SANDPIPER	4	0	1
462 RED-NECKED STINT	1	0	640
481 PIED STILT	434	206	125
482 BLACK STILT	125	0	1578
511 SOUTHERN GREAT SKUA	1507	71	2404
512 ANTARCTIC SKUA	2414	0	1
514 ARCTIC SKUA	1	0	68523
521 SOUTHERN BLACK-BACKED GULL	67501	1022	88783
523 RED-BILLED GULL	88551	232	

TABLE ONE
GENERAL BANDING TOTAL (REBRANDS EXCLUDED)

SPECIES NUMBER AND NAME	TOTAL PRE 1989	TOTAL 89/90	TOTAL FOR ALL YEARS
524 BLACK-BILLED GULL	35658	633	36291
527 CASPIAN TERN	5357	27	5384
525 BLACK-FRONTED TERN	1302	36	1338
529 ANTARCTIC TERN	158	0	158
531 FAIRY TERN	8	0	8
532 WHITE-FRONTED TERN	23396	0	23396
533 SOOTY TERN	14603	51	14945
534 COMMON NODDY	2	2	4
535 WHITE-CAPPED NODDY	7	19	26
536 WHITE TERN	3	0	3
537 GREY TERNLET	85	105	190
551 NEW ZEALAND PIGEON	145	16	161
552 CHATHAM ISLAND PIGEON	10	0	10
553 ROCK PIGEON	60	0	60
554 MALAY SPOTTED DOVE	2	0	2
555 BARBARY DOVE	0	1	1
561 KAKAPO	73	0	73
563 SOUTH ISLAND KAKA	40	0	40
564 KEA	1299	67	1366
566 EASTERN ROSELLA	1	0	1
572 ANTIPODES ISLAND PARAKEET	69	0	69
567 PARAKEET	7	0	7
568 RED-CROWNED PARAKEET	715	35	750
569 CHATHAM ISLAND RED- CROWNED PARAKEET	1	0	1
570 REISCHECK'S PARAKEET	56	0	56
573 YELLOW-CROWNED PARAKEET	38	1	39
574 CHATHAM ISLAND YELLOW-CROWNED PARAKEET	9	0	9
583 SHINING CUCKOO	68	0	68
584 LONG-TAILED CUCKOO	4	0	4
601 MOREPORK	50	0	50
604 LITTLE OWL	16	0	16
621 NEW ZEALAND KINGFISHER	229	6	235
641 NORTH ISLAND RIFLEMAN	149	1	150
642 SOUTH ISLAND RIFLEMAN	1043	56	1099
646 ROCK WREN	4	5	9
651 SKYLARK	37	0	37
662 WELCOME SWALLOW	318	2	320
741 NEW ZEALAND PIPIT	46	0	46
731 HEDGESPARROW	2041	88	2129
701 NORTH ISLAND FERNBIRD	34	0	34
702 SOUTH ISLAND FERNBIRD	257	0	257
703 STEWART ISLAND FERNBIRD	27	0	27
706 SNARES FERNBIRD	152	0	152
711 BROWN CREEPER	294	3	297
712 WHITEHEAD	281	14	295
713 YELLOWHEAD	89	9	98
714 GREY WARBLER	987	31	1018
715 CHATHAM ISLAND WARBLER	74	0	74
681 NORTH ISLAND FANTAIL	596	16	612
682 SOUTH ISLAND FANTAIL	836	10	846

**TABLE ONE
GENERAL BANDING TOTAL (REBRANDS EXCLUDED)**

SPECIES NUMBER AND NAME	TOTAL PRE 1989	TOTAL 89/90	TOTAL FOR ALL YEARS
684 PIED TIT	175	0	175
685 YELLOW-BREASTED TIT	420	0	420
687 BLACK TIT	161	0	161
689 NORTH ISLAND ROBIN	49	0	49
690 SOUTH ISLAND ROBIN	1805	381	2189
691 STEWART ISLAND ROBIN	10	0	10
692 BLACK ROBIN	194	42	236
721 SONG THRUSH	2848	088	2936
722 BLACKBIRD	6427	223	6650
761 SILVEREYE	56159	2158	58317
751 STITCHBIRD	271	0	271
753 BELLBIRD	5729	132	5861
755 TUI	913	17	930
756 CHATHAM ISLAND TUI	1	0	1
775 YELLOWHAMMER	787	55	842
776 GIRL BUNTING	18	1	19
774 CHAFFINCH	2323	200	2523
771 GREENFINCH	5910	612	6522
772 GOLDFINCH	2149	220	2369
773 REDPOLL	7044	485	7529
781 HOUSE SPARROW	25780	1690	27470
791 STARLING	17555	144	17699
792 INDIAN MYNA	1397	0	1397
821 NORTH ISLAND SADDLEBACK	1427	180	1607
822 SOUTH ISLAND SADDLEBACK	289	0	289
824 NORTH ISLAND KOKAKO	32	10	42
811 BLACK-BACKED MAGPIE	41	0	41
812 WHITE-BACKED MAGPIE	254	3	257
813 HYBRID MAGPIE	25	0	25
— MAGPIE SPECIES	[4]	0	[4]
802 ROOK	1070	0	1070
*** TOTAL ***	1040018	22668	1062686

**TABLE TWO
BANDING TOTALS BY AGE AND SEX**

For abbreviations of column headings see page 15

SPECIES NUMBER AND NAME	PU	JM	JF	JU	AM	AF	AU	UM	UF	UU	RB	TOTAL
012 YELLOW-EYED PENGUIN	250	11	0	32	11	11	22	0	0	0	2	339
014 COOK STRAIT BLUE PENGUIN	5	0	0	0	18	14	2	0	0	0	1	40
016 WHITE-FLIPPED BLUE PENGUIN	413	0	0	0	0	0	64	0	0	0	0	477
019 FIORDLAND CRESTED PENGUIN	21	0	0	0	27	35	4	0	0	0	0	87
049 BULLER'S MOLLYMAWK	0	0	0	1	0	0	0	0	0	0	0	1
051 CHATHAM ISLAND MOLLYMAWK	0	0	0	1	0	0	0	0	0	0	0	1
093 GREY-FACE PETREL	61	0	0	0	16	21	451	0	0	0	0	549
101 PYCROFT'S PETREL	5	0	0	0	0	0	1	0	0	0	0	6
104 COOK'S PETREL	0	0	0	0	0	0	1	0	0	0	0	1
106 BLACK-WINGED PETREL	0	0	0	0	0	0	278	0	0	0	0	278
105 CHATHAM ISLAND PETREL	2	0	0	0	0	0	4	0	0	0	0	6
090 BLACK PETREL	91	0	0	4	0	0	34	0	0	0	0	129
091 WESTLAND BLACK PETREL	100	0	0	0	45	30	0	0	0	0	1	176
077 FLESH-FOOTED SHEARWATER	0	0	0	0	0	3	39	0	0	0	0	42
078 WEDGE-TAILED SHEARWATER	0	0	0	0	4	4	142	0	0	0	0	150
080 SOOTY SHEARWATER	0	0	0	0	0	1	23	0	0	0	0	24
115 CHRISTMAS ISLAND SHEARWATER	0	0	0	0	0	0	1	0	0	0	0	1
082 FLUTTERING SHEARWATER	0	0	0	0	0	0	48	0	0	0	0	48
085 KERMADEC LITTLE SHEARWATER	77	0	0	0	0	0	266	0	0	1	0	344
086 NORTH ISLAND LITTLE (ALLIED) SHEARWATER	0	0	0	0	0	0	56	0	0	0	0	56
124 WHITE-FACED STORM PETREL	0	0	0	0	0	0	100	0	0	0	0	100
127 WHITE-BELLIED STORM PETREL	0	0	0	0	0	0	23	0	0	0	0	23
131 NORTHERN DIVING PETREL	0	0	0	0	7	7	146	0	0	0	0	160
161 AUSTRALASIAN GANNET	0	0	0	290	0	0	0	0	0	0	0	290
163 MASKED (BLUE-FACED) BOOBY	8	0	2	1	80	83	23	0	0	1	0	198

**TABLE TWO
BANDING TOTALS BY AGE AND SEX**

For abbreviations of column headings see page 15

SPECIES NUMBER AND NAME	PU	JM	JF	JU	AM	AF	AU	UM	UF	UU	RB	TOTAL
171 BLACK SHAG	24	0	0	0	0	0	0	0	0	0	0	24
182 SPOTTED SHAG	15	0	0	0	0	0	0	0	0	0	0	15
216 WHITE-FACED HERON	0	0	0	0	0	0	1	0	0	0	0	1
215 REEF HERON	1	0	0	0	0	0	0	0	0	0	0	1
241 CANADA GOOSE	0	63	95	0	490	519	0	0	0	0	0	1167
245 PARADISE SHELDUCK	0	0	0	0	1580	1528	10	0	0	0	0	3118
252 MALLARD	0	317	403	0	682	1098	0	0	0	0	0	2500
251 GREY DUCK	0	1	0	0	0	1	0	0	0	0	0	2
248 BROWN TEAL	0	0	0	0	12	13	0	0	0	0	0	25
249 AUCKLAND ISLAND TEAL	0	0	0	0	0	0	33	0	0	0	0	33
254 BLUE DUCK	0	2	3	1	12	6	0	0	0	0	0	24
272 AUSTRALASIAN HARRIER	0	17	9	0	16	21	0	0	0	0	0	63
281 NEW ZEALAND FALCON	0	2	3	0	0	1	0	0	0	0	0	6
296 CHUKOR	0	3	7	0	0	0	0	0	0	0	0	10
299 RED-LEGGED PARTRIDGE	0	216	229	1166	184	191	50	0	0	0	0	2036
293 PHEASANT	0	538	15	0	30	0	0	0	0	0	0	583
342 PUKEKO	0	0	0	0	9	3	0	0	0	0	0	12
343 NOTORNIS	0	1	1	1	0	0	1	0	0	0	0	4
401 SOUTH ISLAND PIED OYSTERCATCHER	20	0	0	0	6	9	0	0	0	0	0	35
402 VARIABLE OYSTERCATCHER	2	0	0	0	0	0	6	0	0	0	0	7
404 CHATHAM ISLAND OYSTERCATCHER	0	0	0	2	0	0	0	0	0	0	0	2
413 LEAST GOLDEN PLOVER	0	0	0	0	0	0	2	0	0	0	0	2
418 NEW ZEALAND DOTTEREL (PACIFIC GOLDEN PLOVER)	38	0	0	0	1	0	11	0	0	0	1	51
415 BANDED DOTTEREL	5	0	0	1	0	1	0	0	0	0	0	7
451 TURNSTONE	0	0	0	0	0	0	2	0	0	0	0	2
481 PIED STILT	81	0	0	0	12	16	97	0	0	0	0	206
511 SOUTHERN GREAT SKUA	61	0	0	0	0	0	10	0	0	0	0	71

TABLE TWO
BANDING TOTALS BY AGE AND SEX
For abbreviations of column headings see page 15

SPECIES NUMBER AND NAME	PU	JM	JF	JU	AM	AF	AU	UM	UF	UU	RB	TOTAL
521 SOUTHERN BLACK-BACKED GULL	841	0	0	1	93	87	0	0	0	0	0	1022
523 RED-BILLED GULL	154	0	0	0	26	38	14	0	0	0	333	565
524 BLACK-BILLED GULL	633	0	0	0	0	0	0	0	0	0	2	635
527 CASPIAN TERN	25	0	0	0	0	0	2	0	0	0	0	27
525 BLACK-FRONTED TERN	36	0	0	0	0	0	0	0	0	0	0	36
533 SOOTY TERN	0	0	0	0	0	4	47	0	0	0	0	51
534 COMMON NODDY	0	0	0	0	0	0	2	0	0	0	0	2
535 WHITE-CAPPED NODDY	10	0	0	0	0	0	9	0	0	0	0	19
537 GREY TERNLET	80	0	0	0	0	0	25	0	0	0	0	105
551 NEW ZEALAND PIGEON	0	0	0	0	0	0	8	0	0	8	0	16
555 BARBARY DOVE	0	0	0	1	0	0	0	0	0	0	0	1
561 KAKAPO	0	0	0	0	0	0	0	0	0	0	6	6
564 KEA	0	29	14	1	18	5	0	0	0	0	0	67
568 RED-CROWNED PARAKEET	0	0	0	11	10	14	0	0	0	0	0	35
573 YELLOW-CROWNED PARAKEET	0	0	0	0	0	1	0	0	0	0	0	1
621 NEW ZEALAND KINGFISHER	0	0	0	2	0	0	4	0	0	0	0	6
641 NORTH ISLAND RIFLEMAN	0	0	0	0	0	1	0	0	0	0	0	1
642 SOUTH ISLAND RIFLEMAN	53	0	0	0	2	1	0	0	0	0	0	56
646 ROCK WREN	0	3	0	0	2	0	0	0	0	0	0	5
662 WELCOME SWALLOW	0	0	0	0	0	0	2	0	0	0	0	2
731 HEDGESPARROW	14	0	0	16	0	0	50	0	0	8	0	88
711 BROWN CREEPER	3	0	0	0	0	0	0	0	0	0	0	3
712 WHITEHEAD	0	0	0	0	0	0	14	0	0	0	0	14
713 YELLOWHEAD	4	1	0	0	2	2	0	0	0	0	0	9
714 GREY WARBLER	3	0	0	3	5	0	16	0	0	4	0	31
681 NORTH ISLAND FANTAIL	0	0	0	1	0	0	12	0	0	3	0	16
682 SOUTH ISLAND FANTAIL	1	0	0	1	0	0	8	0	0	0	0	10
686 CHATHAM ISLAND TIT	0	1	1	0	5	0	0	2	2	0	0	11
690 SOUTH ISLAND ROBIN	46	33	23	39	148	89	3	0	0	0	0	381
692 BLACK ROBIN	42	0	0	0	0	0	0	0	0	0	0	42
721 SONG THRUSH	23	0	0	15	0	0	46	0	0	4	0	88

**TABLE TWO
BANDING TOTALS BY AGE AND SEX**

For abbreviations of column headings see page 15

SPECIES NUMBER AND NAME	PU	JM	JF	JU	AM	AF	AU	UM	UF	UU	RB	TOTAL
722 BLACKBIRD	73	8	4	42	51	44	0	0	0	1	0	223
761 SILVEREYE	0	0	0	143	0	0	1842	0	0	173	0	2158
753 BELLBIRD	0	7	10	0	71	44	0	0	0	0	0	132
755 TUI	0	1	1	0	2	0	2	0	0	11	0	17
775 YELLOWHAMMER	0	6	2	3	25	16	0	0	0	3	0	55
776 CIRL BUNTING	0	0	0	0	1	0	0	0	0	0	0	1
774 CHAFFINCH	0	17	26	1	77	77	1	0	1	0	0	200
771 GREENFINCH	11	18	51	52	198	96	2	25	85	74	0	612
772 GOLDFINCH	5	8	9	61	27	35	57	0	4	14	0	220
773 REDPOLL	19	13	17	16	35	50	3	13	1	318	0	485
781 HOUSE SPARROW	43	167	140	98	709	532	0	0	1	0	2	1692
791 STARLING	3	0	0	15	55	46	24	0	0	1	0	144
821 NORTH ISLAND SADDLEBACK	135	11	11	6	7	10	0	0	0	0	0	180
824 NORTH ISLAND KOKAKO	0	0	0	1	0	0	0	9	0	0	0	10
812 WHITE-BACKED MAGPIE	0	0	0	0	1	2	0	0	0	0	0	3
*** TOTAL ***	3537	1494	1076	2029	4812	4810	4143	49	94	624	348	23016

Reference to abbreviations in the column headings:

PU	Pullus of unknown sex	AU	Adult of unknown sex
JM	Juvenile male	UM	Male of unknown age
JF	Juvenile female	UF	Female of unknown age
JU	Juvenile of unknown sex	UU	Unknown age and sex
AM	Adult male	RB	Birds re-banded
AF	Adult female		

TABLE THREE

Summary of recoveries added to the computer file during the report year. NOTE: The figures in the repeat column are already incorporated in the total column.

SPECIES NUMBER AND NAME	DEAD	ALIVE	TOTAL	REPEAT
012 YELLOW-EYED PENGUIN	7	5	12	4
014 COOK STRAIT BLUE PENGUIN	2	3	5	1
016 BLUE PENGUIN	22	1	23	7
020 SNARES CRESTED PENGUIN	1	93	94	48
021 ERECT-CRESTED PENGUIN	0	1	1	0
041 WANDERING ALBATROSS	1	0	1	0
044 NORTHERN ROYAL ALBATROSS	3	0	3	0
043 SOUTHERN ROYAL ALBATROSS	3	0	3	0
046 NEW ZEALAND BLACK-BROWED MOLLYMAWK	3	0	3	0
050 WHITE-CAPPED (SHY) MOLLYMAWK	1	0	1	0
109 NORTHERN GIANT PETREL	1	0	1	0
061 SOUTHERN GIANT PETREL	3	0	3	0
063 SNARES CAPE PIGEON	0	163	163	96
093 GREY-FACED PETREL	1	7	8	5
095 WHITE-NAPED PETREL	0	2	2	0
111 CHATHAM ISLAND TAIKO	0	2	2	0
106 BLACK-WINGED PETREL	0	23	23	0
105 CHATHAM ISLAND PETREL	0	5	5	4
073 FAIRY PRION	1	0	1	0
091 BLACK PETREL	2	0	2	0
083 SHEARWATER	0	6	6	0
123 GREY-BACKED STORM PETREL	0	4	4	2
161 AUSTRALASIAN GANNET	10	2	12	4
163 MASKED (BLUE-FACED) BOOBY	0	7	7	2
171 BLACK SHAG	2	0	2	0
215 REEF HERON	1	0	1	0
243 BLACK SWAN	167	0	168	14
241 CANADA GOOSE	644	1035	1679	780
245 PARADISE SHELDUCK	485	848	1333	98
252 MALLARD	557	145	702	46
251 GREY DUCK	4	0	4	1
248 BROWN TEAL	3	0	3	0
253 NEW ZEALAND SHOVELER	16	0	16	1
272 AUSTRALASIAN HARRIER	10	2	12	2
296 CHUKOR	1	0	1	0
299 RED-LEGGED PARTRIDGE	10	2	12	0
293 PHEASANT	58	0	58	0
335 NORTH ISLAND WEKA	1	0	1	0
336 WESTERN WEKA	1	2	3	1
401 SOUTH ISLAND PIED OYSTERCATCHER	1	6	7	2
402 VARIABLE OYSTERCATCHER	0	5	5	5
418 NEW ZEALAND DOTTEREL	4	16	20	7
415 BANDED DOTTEREL	1	2	3	1
422 BLACK-FRONTED DOTTEREL	1	0	1	0
420 WRYBILL	1	22	23	4
453 CHATHAM ISLAND SNIPE	0	1	1	0
458 KNOT	1	16	17	4
521 SOUTHERN BLACK-BACKED GULL	112	2	114	3
523 RED-BILLED GULL	44	247	291	170
524 BLACK-BILLED GULL	10	14	24	0

TABLE THREE

Summary of recoveries added to the computer file during the report year. NOTE: The figures in the repeat column are already incorporated in the total column.

SPECIES NUMBER AND NAME	DEAD	ALIVE	TOTAL	REPEAT
527 CASPIAN TERN	1	14	15	2
531 FAIRY TERN	0	1	1	0
532 WHITE-FRONTED TERN	12	1	13	0
551 NEW ZEALAND PIGEON	3	1	4	0
564 KEA	2	4	6	2
601 MOREPORK	0	3	3	3
641 NORTH ISLAND RIFLEMAN	0	8	8	3
731 HEDGESPARROW	2	12	14	11
712 WHITEHEAD	0	1	1	0
714 GREY WARBLER	0	6	6	2
681 NORTH ISLAND FANTAIL	1	16	17	2
687 BLACK TIT	0	10	10	2
690 SOUTH ISLAND ROBIN	0	15	15	1
692 BLACK ROBIN	0	3	3	3
721 SONG THRUSH	1	11	12	6
722 BLACKBIRD	9	88	98	59
761 SILVEREYE	26	677	703	506
753 BELLBIRD	1	0	1	1
755 TUI	7	43	50	22
774 CHAFFINCH	1	16	17	6
771 GREENFINCH	1	2	3	1
773 REDPOLL	0	4	4	1
781 HOUSE SPARROW	10	46	56	27
791 STARLING	6	0	6	0
821 NORTH ISLAND SADDLEBACK	6	0	6	0
812 WHITE-BACKED MAGPIE	1	0	1	0
*** Total ***	2286	3672	5958	1972

**TABLE FOUR
SUMMARY PER PERMIT
(REBRANDS INCLUDED)**

	BIRDS BANDED
** PERMIT 0002 MILLS DR J A	
VARIABLE OYSTERCATCHER	5
RED-BILLED GULL	565
** Subtotal **	570
** PERMIT 0032 DAVIS V T	
AUSTRALASIAN GANNET	290
** Subtotal **	290
** PERMIT 0036 BARTLE J A	
BLACK PETREL	176
** Subtotal **	176
** PERMIT 0041 BULL DR P C	
SILVEREYE	114
** Subtotal **	114
** PERMIT 0042 CHALLIES C N	
WHITE-FLIPPED BLUE PENGUIN	413
SOUTHERN BLACK-BACKED GULL	00
CASPIAN TERN	7
** Subtotal **	430
** PERMIT 0044 COWIE J A	
BANDED DOTTEREL	1
BLACK-BILLED GULL	635
BLACK-FRONTED TERN	36
** Subtotal **	672
** PERMIT 0053 BARLOW MRS C E	
CASPIAN TERN	20
** Subtotal **	20
** PERMIT 0065 MERTON D V	
NOTORNIS	3
CHATHAM ISLAND OYSTERCATCHER	2
BLACK ROBIN	42
** Subtotal **	47

**TABLE FOUR
SUMMARY PER PERMIT
(REBRANDS INCLUDED)**

	BIRDS BANDED
** PERMIT 0068 IMBER M J	
CHATHAM ISLAND PETREL	6
BLACK PETREL	59
** Subtotal **	65
** PERMIT 0076 BELL BRIAN D	
MASKED (BLUE-FACED) BOOBY	75
SOUTHERN BLACK-BACKED GULL	71
SONG THRUSH	5
BLACKBIRD	6
SILVEREYE	412
YELLOWHAMMER	1
CHAFFINCH	2
GREENFINCH	73
HOUSE SPARROW	372
STARLING	40
WHITE-BACKED MAGPIE	1
** Subtotal **	1058
** PERMIT 0093 SAGAR P M	
SOUTH ISLAND PIED OYSTERCATCHER	35
** Subtotal **	35
** PERMIT 0102 NORTH CANTERBURY ACCLIM SOC	
RED-LEGGED PARTRIDGE	62
** Subtotal **	62
** PERMIT 0104 ECOLOGY DIVISION D S I R	
SOUTHERN BLACK-BACKED GULL	295
NEW ZEALAND PIGEON	16
NEW ZEALAND KINGFISHER	1
NORTH ISLAND RIFLEMAN	1
ROCK WREN	5
GREY WARBLER	3
NORTH ISLAND FANTAIL	4
SOUTH ISLAND ROBIN	2
BLACKBIRD	2
SILVEREYE	13
BELLBIRD	71
TUI	15
CHAFFINCH	1
** Subtotal **	429

**TABLE FOUR
SUMMARY PER PERMIT
(REBRANDS INCLUDED)**

	BIRDS BANDED
** PERMIT 0164 AUCKLAND ACCLIMATISATION SOC	
PARADISE SHELDUCK	1894
RED-LEGGED PARTRIDGE	916
PHEASANT	44
** Subtotal **	2854
PERMIT 0170 WANGANUI ACCLIMATISATION SOC	
PARADISE SHELDUCK	796
** Subtotal **	796
** PERMIT 0172 HAWKES BAY ACCLIM SOCIETY	
CHUKOR	10
RED-LEGGED PARTRIDGE	626
PHEASANT	539
** Subtotal **	1175
PERMIT 0173 WELLINGTON ACCLIM SOCIETY	
MALLARD	1748
GREY DUCK	2
** Subtotal **	1750
** PERMIT 0175 MARLBOROUGH ACCLIM SOCIETY	
RED-LEGGED PARTRIDGE	432
** Subtotal **	432
PERMIT 0182 WAITAKI VALLEY ACCLIM SOC	
PARADISE SHELDUCK	20
** Subtotal **	20
** PERMIT 0184 SOUTHLAND ACCLIM SOCIETY	
MALLARD	752
Subtotal **	752
** PERMIT 0215 TORR O C	
NEW ZEALAND KINGFISHER	1
HEDGESPARROW	3
BLACKBIRD	6
SILVEREYE	5
GREENFINCH	10
HOUSE SPARROW	68
STARLING	7
** Subtotal	10

**TABLE FOUR
SUMMARY PER PERMIT
(REBRANDS INCLUDED)**

	BIRDS BANDED
** PERMIT 0239 GILL DR B J	
WHITEHEAD	14
BLACKBIRD**	1
Subtotal **	15
** PERMIT 0243 SIM D M	
FLESH-FOOTED SHEARWATER	39
BLACK SHAG	24
AUSTRALASIAN HARRIER	6
SILVEREYE	231
** Subtotal **	300
** PERMIT 0244 POWLESLAND DR R G	
KAKAPO	6
** Subtotal **	6
** PERMIT 0256 WILKINSON G B	
SOUTHERN BLACK-BACKED GULL	180
** Subtotal **	180
** PERMIT 0257 ONLEY D J	
HEDGESPARROW	6
SILVEREYE	76
BELLBIRD	1
CHAFFINCH	3
GREENFINCH	2
REDPOLL	299
HOUSE SPARROW	13
** Subtotal **	400
** PERMIT 0282 DUCKS UNLIMITED (NZ)	
BROWN TEAL	25
** Subtotal **	25
* PERMIT 0285 RAPTOR ASSOCIATION OF NZ	
AUSTRALASIAN HARRIER	57
NEW ZEALAND FALCON	6
** Subtotal **	63
** PERMIT 0290 G	
SOUTHERN BLACK-BACKED GULL	128
** Subtotal **	128

**TABLE FOUR
SUMMARY PER PERMIT
(REBRANDS INCLUDED)**

	BIRDS BANDED
** PERMIT 0292 ROWE L	
HEDGESPARROW	2
SONG THRUSH	1
BLACKBIRD	3
SILVEREYE	100
CHAFFINCH	3
GREENFINCH	2
GOLDFINCH	2
REDPOLL	3
HOUSE SPARROW	60
STARLING	3
** Subtotal **	179
** PERMIT 0294 CANTERBURY PASSERINE GROUP	
WELCOME SWALLOW	1
HEDGESPARROW	25
GREY WARBLER	4
SOUTH ISLAND FANTAIL	1
SONG THRUSH	34
BLACKBIRD	88
SILVEREYE	69
BELLBIRD	19
YELLOWHAMMER	3
CHAFFINCH	5
GREENFINCH	402
GOLDFINCH	20
REDPOLL	131
HOUSE SPARROW	101
STARLING	3
** Subtotal **	906
PERMIT 0295 CANTERBURY UNIVERSITY	
WHITE-FLIPPED BLUE PENGUIN	64
FIORDLAND CRESTED PENGUIN	87
SOUTH ISLAND RIFLEMAN	56
BROWN CREEPER	3
GREY WARBLER	9
SOUTH ISLAND FANTAIL	1
SOUTH ISLAND ROBIN	379
Subtotal **	599

**TABLE FOUR
SUMMARY PER PERMIT
(REBRANDS INCLUDED)**

	BIRDS BANDED
** PERMIT 0297 AUCKLAND UNIVERSITY	
COOK'S PETREL	1
BLACK PETREL	70
PUKEKO	12
SOUTHERN GREAT SKUA	71
BELLBIRD	15
NORTH ISLAND SADDLEBACK	4
** Subtotal **	173
PERMIT 0298 WILSON K-J	
KEA	67
** Subtotal **	67
** PERMIT 0301 DARBY J T	
YELLOW-EYED PENGUIN	328
** Subtotal **	328
** PERMIT 0304 TAYLOR G	
GREY WARBLER	2
BLACKBIRD	5
SILVEREYE	6
GREENFINCH	2
HOUSE SPARROW	43
STARLING	4
** Subtotal **	62
** PERMIT 0307 COSSEE R O	
COOK STRAIT BLUE PENGUIN	40
BLACK-WINGED PETREL	278
WEDGE-TAILED SHEARWATER	150
CHRISTMAS ISLAND SHEARWATER	1
KERMADEC LITTLE SHEARWATER	344
WHITE-BELLIED STORM PETREL	23
MASKED (BLUE-FACED) BOOBY	123
SPOTTED SHAG	15
WHITE-FACED HERON	1
REEF HERON	1
VARIABLE OYSTERCATCHER	2
LEAST GOLDEN PLOVER (PACIFIC GOLDEN PLOVER)	2
TURNSTONE	2
SOUTHERN BLACK-BACKED GULL	338
SOOTY TERN	51
COMMON NODDY	2
WHITE-CAPPED NODDY	19
GREY TERNLET	105
NORTH ISLAND FANTAIL	1

**TABLE FOUR
SUMMARY PER PERMIT
(REBRANDS INCLUDED)**

	BIRDS BANDED
** PERMIT 0307 COSSEE R (continued)	
BLACKBIRD	1
SILVEREYE	651
YELLOWHAMMER	1
CHAFFINCH	5
GREENFINCH	17
HOUSE SPARROW	102
STARLING **	7
Subtotal **	2282
** PERMIT 0313 LOVEGROVE T	
NORTH ISLAND SADDLEBACK **	176
Subtotal **	176
** PERMIT 0317 BANDED DOTTEREL STUDY GROUP	
BANDED DOTTEREL	5
** Subtotal **	5
** PERMIT 0323 DOWDING J (NZ DOTTEREL GROUP)	
NEW ZEALAND DOTTEREL	51
** Subtotal **	51
** PERMIT 0324 PASSERINE GROUP OSNZ CENTRAL	
BANDED DOTTEREL	1
BARBARY DOVE	1
NEW ZEALAND KINGFISHER	4
WELCOME SWALLOW	1
HEDGESPARROW	52
GREY WARBLER	13
NORTH ISLAND FANTAIL	11
SOUTH ISLAND FANTAIL	8
SONG THRUSH	48
BLACKBIRD	111
SILVEREYE	4181
BELLBIRD	16
TUI	2
YELLOWHAMMER	50
CIRL BUNTING	1
CHAFFINCH	181
GREENFINCH	104
GOLDFINCH	198
REDPOLL	52
HOUSE SPARROW	913
STARLING	80
WHITE-BACKED MAGPIE	2
Subtotal **	2330

**TABLE FOUR
SUMMARY PER PERMIT
(REBRANDS INCLUDED)**

	BIRDS BANDED
** PERMIT 0325 OSNZ AUCKLAND SEABIRD GROUP	
GREY-FACED PETREL	549
PYCROFT'S PETREL	6
FLESH-FOOTED SHEARWATER	3
SOOTY SHEARWATER	24
FLUTTERING SHEARWATER	48
NORTH ISLAND LITTLE (ALLIED) SHEARWATER	56
WHITE-FACED STORM PETREL	100
NORTHERN DIVING PETREL	160
** Subtotal **	946
** PERMIT 0331 GODBERT F D	
HOUSE SPARROW	20
** Subtotal **	20
** PERMIT 0332 STILT RESEARCH GROUP OSNZ	
PIED STILT	206
Subtotal **	206
** PERMIT 0334 GREENE T	
RED-CROWNED PARAKEET	35
YELLOW-CROWNED PARAKEET	1
Subtotal **	36
** PERMIT 1125 NORTHERN REGION DOC	
PARADISE SHELDUCK	408
** Subtotal **	408
** PERMIT 3125 EASTERN REGION DOC	
CANADA GOOSE	143
BELLBIRD	10
NORTH ISLAND KOKAKO	10
** Subtotal **	163
** PERMIT 7125 CANTERBURY REGION DOC	
YELLOW-EYED PENGUIN	1
BULLER'S MOLLYMAWK	1
CHATHAM ISLAND MOLLYMAWK	1
CANADA GOOSE	1024
BLUE DUCK	6
CHATHAM ISLAND TIT	11
** Subtotal **	1044

**TABLE FOUR
SUMMARY PER PERMIT
(REBRANDS INCLUDED)**

	BIRDS BANDED
** PERMIT 9125 SCIENCE & RESEARCH DOC	
YELLOW-EYED PENGUIN	10
AUCKLAND ISLAND TEAL	33
BLUE DUCK	18
NOTORNIS	1
YELLOWHEAD	9
** Subtotal **	71
*** Total ***	23016