

PRELIMINARY REPORT ON BIRD BANDING IN NEW ZEALAND 1964 - 1971

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Since the publication of the 14th Annual Report of the New Zealand Bird Banding Scheme in November 1964 the scheme has undergone some dramatic changes in scope and administration. The historical development of two banding schemes in New Zealand resulted in the general splitting of activities into game and non-game birds under the administration of the Wildlife Service, Internal Affairs Department and the Dominion Museum respectively.

On the 1st April 1967 the two schemes were brought under the control of the Wildlife Service and have run basically as one scheme since that date. Prior to this merger the Dominion Museum had started the conversion of its recovery records to punch card storage for future computer analysis. However, the merger created initial problems of administration and record keeping for what were two basically different schemes, both in scope and methods of recording data. In some fields comparative data did not exist or were not compatible with the two schemes.

A further complication was a very rapid increase not only in the number of birds banded, but also the numbers recovered. This latter factor was a reflection of an increasing number of detailed studies producing a high recovery rate. Accordingly a number of delays occurred while the staff of the Banding Office coped with the conversion of the old non-game records to computer storage and the increasing number of recoveries. This preliminary report reviews the activities from 1 April 1964 to 31 March 1971. Because of historically different recording methods used the Grand Totals for Birds Banded and Recovered in Tables 1 and 2 are at present only provisional and represent a minimum figure.

For game-bird banding prior to 1967 there are as yet no final exact totals, so those shown are based mainly on published information and analyses at present in progress. Further, no records or incomplete totals have been included for the Northern Royal Albatross at Taiaroa Head, Notornis, Partridge and Californian Quail which have yet to be analysed in detail.

When dealing with recoveries, because only those for non-game birds have so far been completely converted to computer storage, it has not been possible to demarcate between recoveries of game-birds prior to 1964 and the period since then. Therefore the grand totals shown for recoveries and repeats will be larger than for the combined total of the two periods shown.

The provisional summary shown in Table 2 illustrates the dramatic increases in banding activity since 1964. Forty-one new species have been banded in the last seven years and a notable aspect of this is the start on studies of native bush birds. The provisional total of recoveries and repeats is 113,384. Just over 100,000 of these are currently in computer storage, the majority of them having been converted since 1968. On present indications close to 20,000 new recoveries and repeats will be added during the 1971/72 year. A selection of the interesting recoveries received from non-game birds during the period 1964-71 is shown in Table 3.

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TABLE ONE				Number banded = New birds only. Recoveries = Birds Recovered at least once. Repeat = Extra recoveries for birds recovered once.			() Provisional Total Only. + = New Species 1964-71 * = Total unknown		
BANDING AND RECOVERY TOTALS									
PAGE 1									
SPECIES NAME	NUMBER Banded			RECOVERIES			REPEAT RECOVERIES		
	PREVIOUS	1964-71	TOTAL	PREVIOUS	1964-71	TOTAL	PREVIOUS	1964-71	TOTAL
Northern Blue Penguin	798	378	1,176	449	58	507	2,705	100	2,805
Southern Blue Penguin +	0	65	65	-	1	1	-	-	-
White-flippered Penguin	166	666	832	6	63	69	-	6	6
N.Z. Crested Penguin +	0	230	230	-	2	2	-	-	-
Snarcs Crested Penguin +	0	642	642	-	12	12	-	-	-
Erect-crested Penguin +	0	23	23	-	-	-	-	-	-
Wandering Albatross	114	1,027	1,141	4	46	50	-	9	9
Southern Royal Albatross	3,026	15,263	18,289	74	2,232	2,306	7	1,476	1,483
Black-browed Mollmawk	102	9,940	10,042	7	584	588	1	67	68
Grey-headed Mollmawk +	0	3,089	3,089	46	481	527	10	126	136
Bullers Mollmawk	415	208	623	5	98	103	-	1	1
White-capped Mollmawk	529	3	532	18	3	21	1	1	2
Salvin's Mollmawk	232	2	234	1	-	1	-	-	-
Light-mantled Sooty Albatross	71	267	338	16	10	26	3	-	3
Giant Petrel	406	466	872	31	159	190	3	59	62
Antarctic Fulmar	1	0	1	-	-	-	-	-	-
Cape Pigeon	6,649	135	6,784	517	5	522	31	2	33
Broad Billed Prion	503	37	540	-	-	-	-	-	-

SPECIES NAME PAGE 2	NUMBER Banded			RECOVERIES			REPEAT RECOVERIES		
	PREVIOUS	1964-71	TOTAL	PREVIOUS	1964-71	TOTAL	PREVIOUS	1964-71	TOTAL
Antarctic Prion +	0	20	20	-	-	-	-	-	-
Prion Sp.	3	1	4	-	-	-	-	-	-
Fairy Prion	10,304	20,986	31,290	250	713	963	15	88	103
Fulmar Prion	61	0	61	-	-	-	-	-	-
Flesh-footed Shearwater	1,361	119	1,480	55	5	60	1	1	2
Wedge-tailed Shearwater	2	306	308	-	-	-	-	-	-
Buller's Shearwater	169	195	364	-	-	-	-	-	-
Sooty Shearwater	651	2,402	3,053	47	47	94	5	12	17
Fluttering Shearwater	779	201	980	18	44	62	3	11	14
Huttons Shearwater	6	285	291	1	-	1	-	-	-
Kermadec Allied Shearwater +	0	4	4	-	8	8	-	-	-
N.Is. Allied Shearwater	163	118	281	-	1	1	-	-	-
Grey Petrel +	0	6	6	-	1	1	-	-	-
Black Petrel	10	4	14	-	1	1	-	-	-
Westland Black Petrel	162	196	358	1	2	3	-	-	-
White-Chinned Petrel	1	9	10	-	-	-	-	-	-
Grey-faced Petrel	2,108	6,280	8,388	75	163	238	41	11	52
White-headed Petrel	5	23	28	-	-	-	-	-	-
Black-capped Petrel +	0	228	228	-	-	-	-	-	-
Mottled Petrel	109	135	244	-	1	1	-	-	-
Kermadec Petrel +	0	944	944	-	-	-	-	-	-
Pycrofts Petrel	64	145	209	6	14	20	8	35	43
Gould Petrel	1	0	1	-	-	-	-	-	-
Cooks Petrel	1	7	8	-	-	-	-	-	-

SPECIES NAME PAGE 3	NUMBER Banded			RECOVERIES			REPEAT RECOVERIES		
	PREVIOUS	1964-71	TOTAL	PREVIOUS	1964-71	TOTAL	PREVIOUS	1964-71	TOTAL
Black-winged Petrel	3	1,993	1,996	-	-	-	-	-	-
Chatham Is. Petrel	1	0	1	-	-	-	-	-	-
Grey-backed Storm Petrel	17	73	90	-	-	-	-	-	-
White-faced Storm Petrel	1,881	2,048	3,929	42	184	226	6	42	48
Black-bellied Storm Petrel +	0	1	1	-	-	-	-	-	-
Diving Petrel	4,105	2,159	6,264	262	401	663	54	404	458
Petrel Sp.	0	1	1	-	-	-	-	-	-
Red-tailed Tropic Bird	22	94	116	-	2	2	-	1	1
White-tailed Tropic Bird	2	7	9	-	-	-	-	-	-
Australian Gannet	7,510	4,598	12,108	733	1,689	2,422	547	2,436	2,983
Brown Booby +	0	1	1	-	-	-	-	-	-
Masked Booby +	0	147	147	-	-	-	-	-	-
Pied Shag	31	98	129	2	28	30	-	4	4
Little Black Shag	2	3	5	-	2	2	-	-	-
Black Shag	15	0	15	-	2	2	-	-	-
White-throated Shag	10	7	17	3	1	2	-	-	-
Stewart Is. Shag	2	0	2	2	4	6	-	-	-
Campbell Is. Shag	26	31	57	-	1	1	-	-	-
Spotted Shag	101	12	113	6	-	6	-	-	-
White Heron +	0	1	1	-	1	1	-	1	1
Reef Heron	14	1	15	3	-	3	-	-	-
White-faced Heron	4	8	12	-	1	1	-	2	2
Australian Bittern	3	1	4	-	-	-	-	-	-
Canada Goose	(11,685)	(8,902)	20,587	*	*	(11,497)	*	*	(9,091)

SPECIES NAME PAGE 4	NUMBER Banded			RECOVERIES			REPEAT RECOVERIES		
	PREVIOUS	1964-71	TOTAL	PREVIOUS	1964-71	TOTAL	PREVIOUS	1964-71	TOTAL
Black Swan	(15,455)	(9,003)	24,458	*	*	(5,664)	*	*	(12)
Paradise Duck	(2,027)	(9,712)	(11,739)	*	*	(2,034)	*	*	(123)
Grey Teal	*	(351)	(351)	*	*	(47)	*	*	(6)
Brown Teal	0	67	67	-	3	3	-	-	-
Grey Duck	(20,722)	(9,052)	(29,774)	*	(1,836)	(8,705)	*	*	(36)
Mallard Duck	(24,368)	(25,098)	(49,466)	*	(4,210)	(7,860)	*	*	(205)
Shoveller Duck	*	(6)	(6)	*	*	(12)	*	*	(3)
Blue Duck	*	(16)	(16)	*	*	(2)	*	*	-
Mallard Duck Cross	(367)	(1,012)	(1,379)	*	*	(327)	*	*	(1)
Duck - Grey or Mallard	*	(13)	(13)	-	-	-	-	-	-
Australasian Harrier	444	532	1,076	128	172	290	11	105	116
Pheasant	(35,244)	(9,260)	(44,504)	(1,963)	(1,665)	(3,628)	*	*	(8)
Californian Quail	(22)	(250)	(272)	*	*	(109)	*	*	(1)
Chukor	0	184	184	-	1	1	-	-	-
Partridge	*	(10,903)	(10,903)	*	*	(884)	*	*	(24)
Banded Rail	4	0	4	-	-	-	-	-	-
Weka Sp.	1	0	1	-	-	-	-	-	-
North Island Weka	662	1,726	2,388	25	58	83	45	-	45
Western Weka	11	133	144	-	9	9	-	-	-
Eastern Weka	19	0	19	3	1	4	-	-	-
Spotless Crake	0	2	2	-	-	-	-	-	-
Pukeko	(64)	(336)	(400)	*	*	(65)	*	*	(1)
Notornis	(35)	(1)	(36)	*	*	(21)	*	*	(11)
S.Is. Pied Oystercatcher	135	536	671	5	76	81	2	24	26
Northern Oystercatcher	10	96	106	-	33	33	-	47	47

SPECIES NAME	NUMBER Banded			RECOVERIES			REPEAT RECOVERIES	
PAGE 5	PREVIOUS	1964-71	TOTAL	PREVIOUS	1964-71	TOTAL	PREVIOUS	1964-71
Black Oystercatcher.	4	75	79	-	5	5	-	3
Chatham Is. Oystercatcher +	0	12	12	-	-	-	-	-
Spur-Winged Plover	73	441	514	-	18	18	-	-
Banded Dotterel	270	111	381	1	4	5	3	3
N.Z. Dotterel	21	23	44	7	4	11	41	41
N.Z. Shore Plover	0	17	17	-	-	-	-	-
Wrybill	24	118	142	-	1	1	-	-
Turnstone	0	2	2	-	-	-	-	-
Chatham Is. Snipe	0	22	22	-	-	-	-	-
Snares Is. Snipe	0	45	45	-	6	6	-	-
Bar-tailed Godwit	3	0	3	-	-	-	-	-
Pied Stilt	170	108	278	4	26	30	1	1
Black Stilt	0	11	11	-	-	-	-	-
Southern Skua	205	207	412	10	62	72	2	14
Arctic Skua	0	1	1	-	-	-	-	-
Antarctic Skua	463	1,488	1,951	74	696	770	46	525
Black-backed Gull	25,713	24,437	50,150	1,514	1,861	3,375	71	100
Red-billed Gull	17,519	19,836	37,355	3,952	4,525	8,477	2,744	2,395
Black-billed Gull	16,399	8,881	25,280	1,015	758	1,773	805	496
Black-fronted Tern	302	367	669	3	66	69	-	30
Caspian Tern	883	1,097	1,980	49	8	57	-	-
Antarctic Tern	6	2	8	-	-	-	-	-
Fairy Tern	3	0	3	-	-	-	-	-
White-fronted Tern	8,586	6,544	15,130	250	194	444	-	34
Sooty Tern	4,604	9,980	14,584	-	143	143	-	-

SPECIES NAME PAGE 6	NUMBER Banded			RECOVERIES			REPEAT RECOVERIES		
	PREVIOUS	1964-71	TOTAL	PREVIOUS	1964-71	TOTAL	PREVIOUS	1964-71	TOTAL
Common Noddy	1	0	1	-	-	-	-	-	-
White-capped Noddy +	0	7	7	-	-	-	-	-	-
White Tern +	0	2	2	-	-	-	-	-	-
Grey Ternlet +	0	49	49	-	-	-	-	-	-
Malay Spotted Dove +	0	2	2	-	1	1	-	-	-
N.Z. Pigeon	10	12	22	1	2	3	-	-	-
Kea	840	192	1,032	305	246	551	1,803	1,251	3,054
Antipodes Is. Parakeet +	0	39	39	-	5	5	-	-	-
Kermadec Parakeet +	0	6	6	-	-	-	-	-	-
N.Z. Parakeet	3	12	15	-	-	-	-	-	-
Reischeks Parakeet +	0	33	33	-	-	-	-	-	-
Yellow-crowned Parakeet +	0	34	34	-	4	4	-	-	-
Shining Cuckoo	9	11	20	1	1	2	-	-	-
Long-tailed Cuckoo	1	1	2	-	1	1	-	-	-
Morepork	3	18	21	-	7	7	-	19	19
Little Owl	1	11	12	-	-	-	-	-	-
N.Z. Kingfisher	32	63	95	-	12	12	-	3	3
N. Is. Rifleman +	0	20	20	-	11	11	-	37	37
S. Is. Rifleman +	0	162	162	-	-	-	-	-	-
Skylark	8	22	30	-	1	1	-	-	-
Wellcome Swallow +	0	65	65	-	-	-	-	-	-
N. Is. Fantail	31	72	103	1	25	26	1	74	75
S. Is. Fantail	15	122	137	-	1	1	-	-	-
Pied Tit	2	80	82	-	27	27	-	50	50
Yellow-breasted Tit	4	129	133	-	11	11	-	1	1

SPECIES NAME PAGE 2	NUMBER Banded		RECOVERIES		REPEAT RECOVERIES	
	PREVIOUS	1964-71	TOTAL	PREVIOUS	1964-71	TOTAL
Black Tit	0	4	4	-	-	-
South Is. Robin	1	33	34	-	-	-
Stewart Is. Robin	0	1	1	-	-	-
South Is. Fernbird	0	33	33	-	-	-
Stewart Is. Fernbird	0	1	1	-	-	-
Snarres Is. Fernbird	0	50	50	-	-	-
Brown Creeper	2	14	16	-	-	-
Whitehead	0	32	32	-	4	4
Grey Warbler	33	175	208	1	37	37
Song Thrush	336	1,239	2,075	89	34	109
Blackbird	1,933	2,197	4,130	411	288	1,124
British Hedgesparrow	556	745	1,301	65	79	302
N.Z. Pipit	1	38	39	-	-	-
Bellbird	158	692	850	4	69	73
Tui	46	256	302	1	11	11
Silvereye	8,177	17,376	25,553	355	4,382	4,551
Greenfinch	1,309	1,708	3,017	94	476	538
Goldfinch	899	745	1,644	36	4	15
Lesser Redpoll	2,105	2,265	4,370	169	354	2,053
Chaffinch	425	768	1,193	38	108	255
Yellowhammer	205	255	460	6	16	20
Girl Bunting	1	1	2	-	-	-
House Sparrow	6,019	11,710	17,729	277	590	656
Starling	577	2,078	2,655	55	26	29
Myra	33	1,131	1,164	5	120	120

SPECIES NAME <u>PAGE 8</u>	NUMBER Banded			RECOVERIES			REPEAT RECOVERIES		
	PREVIOUS	1964-71	TOTAL	PREVIOUS	1964-71	TOTAL	PREVIOUS	1964-71	TOTAL
Rook	75	882	957	3	215	218	-	103	103
Black-backed Magpie	1	33	34	-	14	14	-	2	2
White-backed Magpie	18	24	42	6	6	12	5	16	21
Magpie Sp.	0	4	4	1	2	3	-	7	7
N. Is. Saddleback	35	162	197	-	14	14	-	10	10
S. Is. Saddleback	0	111	111	-	10	10	-	-	-
N. Is. Kokako	3	3	6	-	-	-	-	-	-
<u>PROVISIONAL TOTALS</u>	253,652	283,385	537,037	13,607	30,129	74,905	10,158	18,999	38,679

<u>TABLE TWO</u> <u>PROVISIONAL SUMMARY OF BANDING TOTALS</u>					
ALL SPECIES	1950 - 1964 14 years	1964 - 1971 7 years	NON-GAME SPECIES	1950 - 1964 14 years	1964 - 1971 7 years
NUMBER Banded	253,652	283,385	NUMBER Banded	143,698	199,829
PERCENTAGE OF TOTAL	47.23%	52.77%	PERCENTAGE OF TOTAL	41.83%	58.17%
AVERAGE/YEAR	18,118	40,483	AVERAGE/YEAR	10,264	28,547
TOTAL SPECIES	133	174	NUMBER RECOVERED	12,640	22,429
GAME SPECIES - PERCENTAGE RECOVERED		20.59%	PERCENTAGE OF TOTAL	36%	64%
NON-GAME SPECIES - PERCENTAGE RECOVERED		10.21%	AVERAGE/YEAR	902	3,221
ALL SPECIES PERCENTAGE RECOVERED		13.9%	NUMBER REPEATS	10,158	18,670
			PERCENTAGE OF TOTAL	35%	65%
			AVERAGE/YEAR	751	2,667

TABLE THREE

PAGE 1

A SELECTION OF INTERESTING RECOVERIES RECEIVED 1964-1971

SPECIES	BAND	BANDED LOCALITY AND DATE	RECOVERED LOCALITY AND DATE	AGE, DISTANCE y.m.d.
Northern Blue Penguin	P-408	Somes Is. 1.3.57	Flaxbourne R. Mth. 19.11.69	12-8-19 <u>57SW</u>
"	P-510	Somes Is. 20.4.57	Wellington. 15.12.69	12-6-26 <u>8W</u>
White-flipped Penguin	P-2021	Banks Peninsula. 4.12.67	Otago Harbour. 4.4.68	0-4-0 <u>174SW</u>
"	P-2559	Motunau Is. 26.12.70	Moeraki. 11.1.71	0-0-16 <u>193SSW</u>
"	P-2579	Motunau Is. 26.12.70	Shag Pt, Palmerston. 24.1.71	0-0-29 <u>198SW</u>
"	P-2887	Motunau Is. 28.12.70	Papanui Inlet. 20.1.71	0-0-23 <u>227SW</u>
"	P-1563	Motunau Is. 7.11.61	Motunau Is. 28.12.70	9-0-22
N.Z. Crested Penguin	J-307	Jacksons Head. 12.10.69	Okarito. (8.12.70)	1-1-26 <u>102NE</u>
Snares Crested Penguin	ATI	Snares Is. 5.1.67	Waiau R. Mouth. 6.3.68	1-1-30 <u>135NNE</u>
Wandering Albatross	R-18908	Antipodes Is. 23.2.69	Malabar, (AUSTRALIA). 9.8.69	0-5-14 <u>1776WNW</u>
Southern Royal Albatross	R-12915	Campbell Is. 31.1.58	Campbell Is. 7.1.70	11-11-25
"	R-12748	Campbell Is. 10.2.43	Campbell Is. 22.12.69	26-10-12
"	R-1240	Campbell Is. 8.1.62	SOUTH ATLANTIC. 22.7.66	4-6-12 <u>6225SSE</u>
"	R-8357	Auckland Is. 23.1.66	SOUTH INDIAN OCEAN. 17.9.70	4-7-23 <u>3478WSW</u>
"	R-10989	Campbell Is. 12.5.67	SOUTH INDIAN OCEAN. 15.8.70	3-3-3 <u>3432WSW</u>
Black-browed Mollmawk	M-20075	Campbell Is. 5.4.69	Southport (AUSTRALIA). 27.5.70	1-1-22 <u>1851NNW</u>
"	O-12022	Campbell Is. 9.3.68	NEW HEBRIDES. 24.8.68	0-5-15 <u>2449NNW</u>
"	O-10708	Campbell Is. 9.3.68	TONGA. 24.3.70	2-0-14 <u>2387NNE</u>
"	O-12105	Campbell Is. 13.3.68	FIJI. 4.8.68	0-4-22 <u>2449NNE</u>
Grey-headed Mollmawk	M-750	Campbell Is. 9.11.61	Campbell Is. 21.9.68	6-10-11
Bullers Mollmawk	O-1954	Snares Is. 5.2.61	At Sea, Timaru. 25.6.70	9-4-17 <u>365NE</u>
White-capped Mollmawk	16117	Cape Campbell. 24.1.57	SOUTH AFRICA. 29.9.68	11-8-4 <u>6857SSW</u>
Giant Petrel	O-8137	Campbell Is. 4.11.67	ARGENTINA. 30.5.68	0-6-25 <u>5679SSE</u>
"	O-8152	Campbell Is. 13.11.67	N.S.W. AUSTRALIA. 14.10.69	1-11-0 <u>1549NW</u>
"	O-12615	Tory Channel. 23.7.58	Antipodes Is. 4.2.69	10-6-13 <u>626SSE</u>

SPECIES	PAGE 2	BAND	BANDED LOCALITY AND DATE	RECOVERED LOCALITY AND DATE	AGE, DISTANCE
Cape Pigeon		H-9426	Tory Channel. 20.7.63	ANTARCTIC. (00.12.68)	y.e.d. 5-4-0 <u>2194SSW</u>
"		H-1507	Tory Channel. 2.9.59	Wellington. 19.7.70	10-10-15 <u>26ESE</u>
"		H-4611	Oamaru, at Sea. 2.11.59	Snares Is. 12.2.70	10-3-11 <u>304SW</u>
Fairy Prion		D-15547	Motunau Is. 21.10.61	Motunau Is. 27.12.70	9-2-5
Flesh-footed Shearwater		H-12678	Karewa Is. 29.3.64	Off White Is. 16.2.70	5-10-18 <u>65E</u>
"		Z-340	Off Waima R. 23.3.66	George Sound. 3.1.71	4-9-11 <u>401WSW</u>
Sooty Shearwater		Z-257	Motunau Is. 23.10.63	Quinault R. (U.S.A.) 9.9.66	2-10-16 <u>7312NE</u>
"		Z-132	Motunau Is. 7.12.61	Motunau Is. 29.12.70	9-0-21
Sooty Shearwater		Z-230	Stephens Is. 1.10.63	California (U.S.A.) 26.8.65	1-10-24 <u>6692NE</u>
Fluttering Shearwater		X-392	Mercury Is. 4.9.62	Waiwakaiho R. 25.9.66	4-0-21 <u>199SSW</u>
Black Petrel		K-2106	Little Barrier Is. 29.11.63	Little Barrier Is. 12.12.69	6-0-13
Pycrofts Petrel		D-24308	Hen Is. 14.12.61	Hen Is. 9.1.66	4-0-26
White-faced Storm Petrel		C-4059	Motunau Is. 6.12.61	Motunau Is. 29.12.70	9-0-22
Diving Petrel		D-6454	Brothers Is. 6.5.61	Brothers Is. 24.9.70	9-3-19
Australian Gannet		M-12497	Cape Kidnappers. 15.1.51	Cape Kidnappers. 17.12.70	19-11-0
"		M-13763	Cape Kidnappers. 21.1.67	Port Lincoln, (AUSTR.) 1.5.68	1-3-9 <u>2283W</u>
Campbell Is. Shag		M-5544	Campbell Is. 27.5.63	Campbell Is. 29.10.69	6-5-3
White Heron		O-12701	Brighton. 29.8.68	Hari Hari. (10.8.70)	1-11-10 <u>195N</u>
Grey Teal		Z-7027	Lake Wahi. 21.8.69	Poolburn. 2.5.70	1-2-8 <u>587SSW</u>
Australasian Harrier		L-4366	Invercargill Loc. 22.4.67	Motupiko. 5.8.68	1-3-14 <u>408NNE</u>
N.Is. Weka		M-15218	Rawhiti. 15.12.67	Tuakau. 3.5.68	0-4-18 <u>151S</u>
Pukeko		M-3910	Roslyn Bush. 4.11.63	Lake Murihiku. 24.12.70	7-1-20 <u>7W</u>
"		M-7942	Fairfax. 8.8.69	Kakapo Swamp. 5.8.70	0-11-26 <u>62NNW</u>
S.Is. Pied Oystercatcher		K-428	Invercargill. 5.11.62	Invercargill. (11.12.66)	4-1-5
"		K-257	Invercargill Loc. 20.12.64	Waimakariri R. Mouth 12.5.68	3-4-21 <u>285NE</u>
Black Oystercatcher		K-3251	Jacksons Bay. 12.7.67	Okarito R. Mouth. 13.7.69	2-0-1 <u>74NE</u>
Banded Dotterel		C-1734	Lake Ellesmere. 30.10.61	Lake Ellesmere. (18.12.68)	7-1-18

SPECIES	PAGE 3	BAND	BANDED LOCALITY AND DATE	RECOVERED LOCALITY AND DATE	AGE, DISTANCE
Pied Stilt		E-55652	Karitane. 16.11.67	Alexandra. 20.3.68	y.m.d. 0-4-3 <u>56WNW</u>
Southern Skua		L-10908	Campbell Is. 29.1.58	Campbell Is. 16.11.67	9-9-16
Antarctic Skua		L-4210	C. Hallett, (ANTARCT) 24.1.64	Hokkaido, JAPAN. 24.4.66	2-3-3 <u>8016NNW</u>
Black-backed Gull		S-6296	Makarewa. 17.12.62	Auckland. 27.11.67	4-11-9 <u>818NNE</u>
"		S-26107	Clarence R. Mouth 11.12.65	Mataura 24.11.66	0-11-13 <u>366 SW</u>
Red-billed Gull		E-71924	Kaikoura. 21.12.59	Petone. 9.2.71	11-1-19 <u>100NE</u>
Black-billed Gull		E-46468	Waipara R. Mouth. 20.11.66	Tutaekuri R. Mouth. 11.4.68	1-4-20 <u>324NE</u>
Caspian Tern		12793	S. Kaipara Head. 12.12.54	S. Kaipara Head. 6.12.69	14-11-24
White-fronted Tern		6275	Firth of Thames. 28.1.53	Orere. 16.3.69	17-1-19 <u>177ESE</u>
"		D-20979	Ure R. Mouth. 8.12.62	Hamilton, (AUSTRALIA). 29.6.68	5-6-20 <u>1722W</u>
Kea		26959	Arthurs Pass. 15.9.56	Arthurs Pass. 26.10.70	14-1-9
"		22296	Takahe Valley. 27.9.57	McKinnon Pass. 16.12.70	13-2-18 <u>34N</u>
Song Thrush		C-1467	Invercargill Loc. 28.1.62	Invercargill Loc. 31.1.68	6-0-2
Blackbird		D-69746	Invercargill Loc. 22.3.60	Invercargill Loc. 18.4.70	10-0-26
British Hedgesparrow		A-1308	Invercargill Loc. 23.4.60	Invercargill Loc. 31.7.66	6-3-7
Silvereye		A-17158	Rangiora. 11.6.67	Otira. 12.11.68	1-5-1 <u>61NW</u>
"		876	Dunedin. 31.3.59	Dunedin. (1.7.65)	6-3-11
Greenfinch		B-2592	Invercargill Loc. 30.12.62	Invercargill Loc. 13.6.70	7-5-12
"		A-7673	Upper Hutt. 3.10.65	Christchurch. 20.10.66	1-0-16 <u>200SW</u>
Lesser Redpoll		A-5350	Invercargill Loc. 26.9.61	Invercargill Loc. 25.8.69	7-10-28
Chaffinch		A-5744	Invercargill Loc. 4.6.62	Invercargill Loc. 9.4.70	7-10-4
House Sparrow		B-1439	Upper Hutt. 3.2.60	Lower Hutt. 9.2.69	9-0-6 <u>14SW</u>
"		B-10559	Upper Hutt. 6.1.65	Reporoa (2.8.65)	0-6-25 <u>197NNE</u>
Starling		D-70051	Lower Hutt. 14.12.59	Lower Hutt. 6.10.68	8-5-22
Myna		E-39915	Havelock North. 1.6.65	Havelock North. 15.2.71	5-8-14
S.Is. Calliope		D-22114	Big Stage Is. 28.8.64	Big Stage Is. 8.3.69	4-6-8