

6 of 18 acres has a similar composition of the forest to that of Area 5. However, except for a small bog opening, the canopy is higher and denser with over-matured *Nothofagus menziesii* and scattered *Weinmannia racemosa*. The ground and decaying logs are covered with a thick carpet of moss. These conditions are similar to those of Area 3 (Lake Manapouri). In both areas the census was made twice.

TABLE II.

Breeding population density of birds on the delta at the head of Lake McKerrow (Area 1), in the Hollyford Valley at Pyke Junction (Area 2), at the Spey River mouth (Area 3), at Deep Cove (Area 4), at Lake Monk (Area 5), and at the Jeanie Burn (Area 6).

Species	Number of Pairs					
	Area 1 (100 acres)	Area 2 (17 acres)	Area 3 (50 acres)	Area 4 (50 acres)	Area 5 (20 acres)	Area 6 (18 acres)
Western Weka	—	—	2	2	—	—
N.Z. Pigeon	8	3	1	3	—	—
S.I. Kaka	—	1	—	1	—	—
N.Z. Parakeet	—	—	2	—	—	—
Long-tailed Cuckoo	—	—	—	1	—	—
Morepork	—	—	1	—	—	—
S.I. Rifleman	—	2	11	9	1	4
S.I. Fantail	3	—	3	2	—	—
Yellow-breasted Tit	7	5	15	12	7	4
Brown Creeper	—	—	6	—	—	1
Yellowhead	—	—	4	—	2	3
Grey Warbler	4	1	8	3	3	1
*Song Thrush	2	1	2	—	2	—
*Blackbird	7	4	2	1	4	—
*Hedge Sparrow	4	—	—	—	1	—
Bellbird	6	3	5	7	—	2
Tui	—	6	—	—	—	—
Silvereye	14	2	—	4	2	2
*Redpoll	7	—	5	—	6	—
*Chaffinch	8	—	5	1	7	2
Total	70 (11 spp.)	28 (10 spp.)	72 (15 spp.)	46 (12 spp.)	35 (10 spp.)	19 (8 spp.)
No. of pairs per 100 acres	70	164	144	96	175	105

* Naturalized species. The same applies to the rest of the tables.

The census results for the areas 1-6 are summarized in Table II. In Area 1 birds in the forest edge were excluded, but the edge effect was still apparent in the numbers of Silvereyes, Redpolls, Chaffinches and Hedge Sparrows, as these species were breeding in the forest interior as well. One Kaka and one Tui were recorded from Area 1 but were apparently visitors to the area. Area 2 supported a greater density of birds than Area 1 with abundant Tui, Blackbirds and Yellow-breasted Tits, though it lacked edge species.

In Area 3 the scarcity of fruit-bearing trees is reflected in the populations of Pigeons, Bellbirds and Silvereyes. Juvenile Bellbirds were concentrated in the *Leptospermum* patch just outside Area 3. There were more insect-spider eaters (especially Grey Warblers, Brown Creepers and Yellowheads) and seed eaters (Redpolls and Chaffinches) in Area 3 than in Area 4. Both in the number of species and in the total number of individuals Area 3 supported more birds than Area 4.

The following birds recorded in the Areas 5 and 6 were excluded from the table as their range was not confined to the area concerned: 1 pair of Kea which had a breeding territory, 1 Long-tailed Cuckoo, and 1 juvenile Fantail which was not accompanied by adults, in Area 5; 1 Long-tailed Cuckoo and 1 Kaka in Area 6. The population density in Area 5 was high compared with those obtained