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SURVIVAL OF FOUR SPECIES OF PASSERINE IN KARRI FORESTS IN SOUTHWESTERN AUSTRALIA

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Estimates for survival for four species of passerine resident in Karri forest near Manjimup, southwestern Australia were made from recapture (to April 1988) of birds banded between 1976 and 1986. Mean annual survival rates of adults were calculated for Golden Whistlers (78%), White-browed Scrub-wrens (77%), White-breasted Robins (72%) and Red-winged Fairy-wrens (67%). For White-breasted Robins and Red-winged Fairy-wrens, birds were banded as nestlings or juveniles and resighted as well as recaptured. Survival of these known-age birds as adults (calculated from recapture only) was similar to that for adults of unknown age. Survival of known breeding adults was higher than that for all adults (White-breasted Robin male 83%, female 73%; Red-winged Fairy-wren male 80%, female 78%). For older birds, survival estimates based on resightings and recaptures were higher than estimates based only on recaptures, suggesting that older birds were being seen but not recaptured.