Ecography

E4831

Yamaura, Y., Katoh, K. and Takahashi, T. 2006. Reversing habitat loss: deciduous habitat fragmentation matters to birds in a larch plantation matrix. – Ecography 29: 827–834.

Appendix. Assignment of bird species to groups.

Common name	Scientific name	Season	Winter guild	Breeding guild	Nest location
Black-faced bunting	Emberiza spodocephala	Breeding		Ground,	Ground,
	1 1	C		early successional	shrub
Blue-and-white flycatcher	Cyanoptila cyanomelana	Breeding		Flycatcher	Ground
Brambling	Fringilla montifringilla	Winter	Seed	,	Shrub
Brown thrush	Turdus chrysolaus	Breeding		Ground	Shrub
Brown-eared bulbul	Hypsipetes amaurotis	Breeding		Omnivore	Shrub
Bullfinch	Pyrrhula pyrrhula	Both	Seed	Canopy, hemlock-fir	Shrub
Bush warbler	Cettia diphone	Breeding		Shrub	Shrub
Coal tit	Parus ater	Both	Canopy, hemlock-fir	Canopy, hemlock-fir	Tree
Copper pheasant	Phasianus soemmerringii	Breeding		Ground	Ground
Eastern crowned warbler	Pylloscopus coronatus	Breeding		Shrub	Ground
Goldcrest	Regulus regulus	Winter	Canopy, hemlock-fir		Tree
Great spotted woodpecker	Dendrocopos major	Winter	Stem		Tree
Great tit	Parus major	Both	Canopy	Canopy	Tree
Indian tree pipit	Anthus hodgsoni	Breeding	- Table 1	Ground,	Ground
	8	8		early successional	
Japanese grey thrush	Turdus cardis	Breeding		Ground	Shrub
Japanese grosbeak	Eophona personata	Both	Seed	Canopy	Tree
Japanese pygmy woodpecker	Dendrocopos kizuki	Both	Stem	Stem	Tree
Japanese white-eye	Zosterops japonica	Both	Canopy	Canopy	Shrub
Jay	Garrulus glandarius	Both	Seed	Omnivore	Tree
"Large woodpeckers"	Surviva Surviva	Breeding	3000	Stem	Tree
Long-tailed tit	Aegithalos caudatus	Both	Canopy	Canopy	Tree
Narcissus flycatcher	Ficedula narcissina	Breeding	Garrop)	Flycatcher	Tree
Nuthatch	Sitta europaea	Both	Stem	Stem	Tree
Red-flanked bluetail	Tarsiger cyanurus	Winter	Ground, shrub	0.0011	Ground
Short-tailed bush warbler	Urosphena squameiceps	Breeding		Shrub	Ground
Siberian blue robin	Luscinia cyane	Breeding		Ground,	Ground
		2.0008		shrub	
Siberian meadow bunting	Emberiza cioides	Breeding		Ground,	Ground,
				early successional	shrub
Treecreeper	Certhia familiaris	Both	Stem, hemlock-fir	Stem, hemlock-fir	Tree
Varied tit	Parus varius	Both	Canopy	Canopy	Tree
Willow tit	Parus montanus	Both	Canopy	Canopy	Tree
Wren	Troglodytes troglodytes	Winter	Ground	17	Ground

Species that had more than one foraging strategy were assigned to multiple groups. Occurrences of the great spotted woodpecker *Dendrocopos major* and the Japanese green woodpecker *Picus awokera* were combined and treated as "large woodpeckers" in the breeding season because of the difficulty in identifying these species in the field. Species suggested to prefer hemlock and fir forests were assigned to the "hemlock-fir" foraging group. Nest-site substrates were assigned to three types following Kurosawa and Askins (2003): ground (<50 cm in height), shrub (<5 m in height excluding cavity nesters), and tree (> 5 m in height and cavity nesters).

1

References

Kurosawa, R. and Askins, R. A. 2003. Effects of habitat fragmentation on birds in deciduous forests in Japan. – Conserv. Biol. 17: 695–707.