

**Appendix 2.** List of species we used as mature/old forest associated species or forest interior species in our analysis and their habitat associations for nesting and preferred habitats for foraging and living during the breeding season and respective references.

Species			Preferred habitat for		References
4-Letter code	Common name	Scientific name	Nesting	Foraging and living during breeding season	
BOCH	Boreal Chickadee	<i>Poecile hudsonicus</i>	Cavity	Mature forests	ABMI and Schieck and Song (2006)
BRCR	Brown Creeper	<i>Certhia americana</i>	Cavity	Mature forests	ABMI and Schieck and Song (2006)
BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	Canopy	Mature forests	ABMI and Schieck and Song (2006)
CAWA	Canada Warbler	<i>Cardellina canadensis</i>	Ground	Mature forests	ABMI and Schieck and Song (2006)
CMWA	Cape May Warbler	<i>Setophaga tigrina</i>	Canopy	Mature forests	ABMI and Schieck and Song (2006)
CONW	Connecticut Warbler	<i>Oporornis agilis</i>	Ground	Mature forests	ABMI and Schieck and Song (2006)
HETH	Hermit Thrush	<i>Catharus guttatus</i>	Ground	Mature/All forests	ABMI and Schieck and Song (2006)
OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	Ground	Mature forests	ABMI and Schieck and Song (2006)
PHVI	Philadelphia Vireo	<i>Vireo philadelphicus</i>	Canopy	Mature forests	ABMI and Schieck and Song (2006)
RBNU	Red-breasted Nuthatch	<i>Sitta canadensis</i>	Cavity	Mature forests	ABMI and Schieck and Song (2006)
RCKI	Ruby-crowned Kinglet	<i>Regulus calendula</i>	Canopy	Mature forests	ABMI and Schieck and Song (2006)
TEWA	Tennessee Warbler	<i>Leiothlypis peregrina</i>	Ground	Mature forests	ABMI and Schieck and Song (2006)
WAVI	Warbling Vireo	<i>Vireo gilvus</i>	Canopy	Mature forests	ABMI and Schieck and Song (2006)

WETA	Western Tanager	<i>Piranga ludoviciana</i>	Canopy	Mature forests	ABMI and Schieck and Song (2006)
WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	Ground	Mature forests	ABMI and Schieck and Song (2006)

ABMI = Alberta Biodiversity Monitoring Institute