



United States
Department of
Agriculture

Forest Service

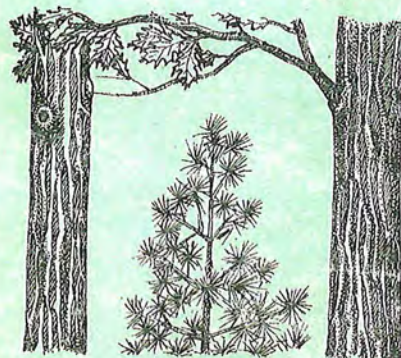
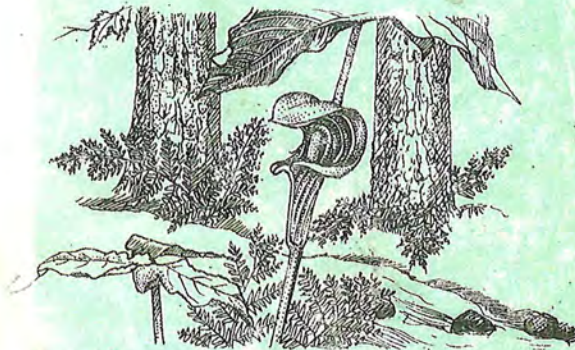
**Northeastern Forest
Experiment Station**

General Technical
Report NE-144



New England Wildlife: Management of Forested Habitats

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Manuscript received for publication 20 January 1992

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May 1992

Appendix A

Local occurrence	Species	Special habitat needs	SEASONAL USE			ASpen-BIRCH	NH	SH	SPRUCE-FIR			HEMLOCK	OAK-PINE					
			S	Sp	St				S	Sp	St		S	Sp	St	S	Sp	St
	Cooper's Hawk <i>Accipiter cooperii</i>		B	BF	W	WF												
	Northern Goshawk <i>Accipiter gentilis</i>	Extensive mature mixed woodlands.	B	BF	W	WF												
	Red-shouldered Hawk <i>Buteo lineatus</i>	Cool, moist, mature forest, wooded wetlands.	B	BF	W	WF												
	Broad-winged Hawk <i>Buteo platyrius</i>	Extensive woodlands with roads or clearings.	B	BF	W	WF												
	Red-tailed Hawk <i>Buteo jamaicensis</i>	Mature forest-field ecotone.	B	BF	W	WF												
	Golden Eagle <i>Aquila chrysaetos</i>	Cliffs and wide expanses of open land.	B	BF	W	WF												
	American Kestrel <i>Falco sparverius</i>	Tall trees with cavities (dbh at least 12"); open country with low relief.	B	BF	W	WF												
	Merlin <i>Falco columbarius</i>	Natural cavities or old woodpecker holes in open woodlands.	B	BF	W	WF												
▲	Peregrine Falcon <i>Falco peregrinus</i>	High cliffs.	B	BF	W	WF												
	Spruce Grouse <i>Dendragapus canadensis</i>	Coniferous forest.	B	BF	W	WF												
	Ruffed Grouse <i>Bonasa umbellus</i>	Fallen logs amidst dense saplings.	B	BF	W	WF												

Local occurrence	Species	Special habitat needs	Seasonal use	ASPEN-BIRCH		NH	SH	SPRUCE-FIR			HEMLOCK			OAK-PINE		
				S	Sp			St	L	S	Sp	St	L	S	Sp	St
	American Crow <i>Corvus brachyrhynchos</i>		B BF W WF B BF W WF													
	Common Raven <i>Corvus corax</i>	Cliffs	B BF W WF													
	Black-capped Chickadee <i>Parus atricapillus</i>	Cavity trees or stubs in small woodlands; clearings or open woodlands.	B BF W WF													
	Boreal Chickadee <i>Parus hudsonicus</i>	Softwood snags, stubs.	B BF W WF													
	Tufted Titmouse <i>Parus bicolor</i>	Cavity trees at least 8" dbh.	B BF W WF													
	Red-breasted Nuthatch <i>Sitta canadensis</i>	Cavity trees in mixed or coniferous woods (minimum dbh 12").	B BF W WF													
	White-breasted Nuthatch <i>Sitta carolinensis</i>	Cavity trees in hardwoods or mixed woods (minimum dbh 12").	B BF W WF													
	Brown Creeper <i>Certhia americana</i>	Woodlands containing trees with sloughing or loose bark.	B BF W WF													
	Carolina Wren <i>Thryothorus ludovicianus</i>	Cavity trees amid brushy vegetation, thickets, swamps.	B BF W WF													
	House Wren <i>Troglodytes aedon</i>	Cavity trees, shrubs.	B BF W WF													
	Winter Wren <i>Troglodytes troglodytes</i>	Moist, mixed or coniferous woodlands with down logs; low woody vegetation.	B BF W WF													

Species	Local occurrence	Seasonal use	ASPEN-BIRCH		NH	SH	SPRUCE-FIR			HEMLOCK			OAK-PINE		
			S	Sp			St	L	S	Sp	St	L	S	Sp	St
<i>Philadelphia Vireo</i> <i>Vireo philadelphicus</i>	Hardwood forest edges.	B BF WF													
Red-eyed Vireo <i>Vireo olivaceus</i>		B BF W WF													
Blue-winged Warbler <i>Vermivora pinus</i>	Old fields with scattered shrubs and small trees.	B BF W WF													
Golden-winged Warbler <i>Vermivora chrysoptera</i>	Open areas with saplings in deciduous woodlands.	B BF W WF													
Tennessee Warbler <i>Vermivora peregrina</i>	Brushy, semi-open country.	B BF W WF													
Nashville Warbler <i>Vermivora ruficapilla</i>	Scattered trees interspersed with brush, thickets, slash.	B BF W WF													
Northern Parula <i>Parula americana</i>	Presence of bearded lichen.	B BF W WF													
Yellow Warbler <i>Dendroica petechia</i>	Scattered small trees or dense shrubs, esp. near water.	B BF W WF													
Chestnut-sided Warbler <i>Dendroica pensylvanica</i>	Sprouts and brush at wood margins; hardwood seedling stands.	B BF W WF													
Magnolia Warbler <i>Dendroica magnaolia</i>	Young stands of spruce or fir, sometimes of hemlock.	B BF W WF													
Cape May Warbler <i>Dendroica tigrina</i>	Spruce forest.	B BF W WF													

Local occurrence	Species	Special habitat needs	Seasonal use	ASPEN-BIRCH			NH	SH	SPRUCE-FIR			HEMLOCK	OAK-PINE				
				S	Sp	St			L	S	Sp		St	L	S	Sp	St
	Lincoln's Sparrow <i>Melospiza lincolni</i>	Bushy thickets 4 to 8 feet high with grass or sedge openings.	B BF W WF														
	Swamp Sparrow <i>Melospiza georgiana</i>		B BF W WF														
	White-throated Sparrow <i>Zonotrichia albicollis</i>		B BF W WF														
	Dark-eyed Junco <i>Junco hyemalis</i>	Woods road with cut bank, uprooted tree, etc. for nest site.	B BF W WF														
	Red-winged Blackbird <i>Agelaius phoeniceus</i>	Grasslands, marshes.	B BF W WF														
	Rusty Blackbird <i>Euphagus carolinus</i>	Northern woodland swamps, alder swales.	B BF W WF														
	Common Grackle <i>Quiscalus quiscula</i>	Wet, open country, shrub swamps, pond edges.	B BF W WF														
	Brown-headed Cowbird <i>Molothrus ater</i>		B BF W WF														
	Orchard Oriole <i>Icterus spurius</i>	Open country with scattered deciduous trees.	B BF W WF														
	Northern Oriole <i>Icterus galbula</i>	Tall scattered deciduous (preferably elm) trees.	B BF W WF														
	Pine Grosbeak <i>Pinicola enucleator</i>	Northern conifer forest.	B BF W WF														

Species Occurrence and Utilization, by Forested Habitat
Mammals

Local occurrence	Species	Special habitat needs	Seasonal use	ASPEN-BIRCH			NH	SH	SPRUCE-FIR			HEMLOCK	OAK-PINE		
				S	Sp	St			L	S	Sp		St	L	S
	Virginia Opossum <i>Didelphis virginiana</i>	Log or tree cavity.	B BF W WF												
	Masked Shrew <i>Sorex cinereus</i>	Damp woodlands, ground cover.	B BF W WF												
	Water Shrew <i>Sorex palustris</i>	Herbaceous cover, cold-water wetlands.	B BF W WF												
	Smoky Shrew <i>Sorex fumeus</i>	Loose damp leaf litter.	B BF W WF												
	Long-tailed Shrew <i>Sorex dispar</i>	Rocky, wooded sites.	B BF W WF												
	Pygmy Shrew <i>Sorex hoyi</i>	Moist leaf mold near water.	B BF W WF												
	Northern Short-tailed Shrew <i>Blarina brevicauda</i>	Low vegetation, damp, loose leaf litter.	B BF W WF												
	Least Shrew <i>Cryptotis parva</i>	Loose soil.	B BF W WF												
	Hairy-tailed Mole <i>Parascalops breweri</i>	Loose, moist, well-drained soil.	B BF W WF												
	Eastern Mole <i>Scalopus aquaticus</i>	Soft, moist soils containing earthworms.	B BF W WF												
	Star-nosed Mole <i>Concylura cristata</i>	Wet muck, humus.	B BF W WF												

Local occurrence	Species	Special habitat needs	Seasonal use		ASPEN-BIRCH		NH		SH		SPRUCE-FIR		HEMLOCK		OAK-PINE			
			B	BF	W	WF	S	Sp	St	L	S	Sp	St	L	S	Sp	St	L
	Gray Fox <i>Urocyon cinereoargenteus</i>	Hollow logs, tree cavities, rock crevices.																
	Black Bear <i>Ursus americanus</i>	Fallen trees, hollow logs, rock ledges, slash piles.																
	Raccoon <i>Procyon lotor</i>	Hollow trees, dens usually located 10 ft. or more above ground.																
	Marten <i>Martes americana</i>	Hollow trees, logs.																
	Fisher <i>Martes pennanti</i>	Hollow trees, logs.																
	Ermine <i>Mustela erminea</i>	Dense brushy cover, slash.																
	Long-tailed Weasel <i>Mustela frenata</i>																	
	Mink <i>Mustela vison</i>	Hollow logs, natural cavities, under tree roots, riparian habitat.																
	Striped Skunk <i>Mephitis mephitis</i>	Body of water such as stream, pond, lake, river.																
	River Otter <i>Lutra canadensis</i>																	
▲	Mountain Lion <i>Felis concolor</i>	Seclusion; deer.																

