

Wildlife Land-area Requirements

Table 1. Area requirements of selected Maine wildlife species.**I. Area-Sensitive+ Forest Birds Found in Maine**

Bird Species	Area-Sensitive+ Forest Birds Found in Maine			
	May Occur in Blocks <250 Acres	Occur in Blocks 250-500 Acres	Occur in Blocks 500-1000 Acres	Occur in Blocks >1000 Acres
Red-shouldered hawk			X	X
Yellow-billed cuckoo**	X	X	X	X
Downy woodpecker**	X	X	X	X
Hairy woodpecker		X	X	X
Pileated woodpecker*			X	X
Least flycatcher		X	X	X
Great crested flycatcher*	X	X	X	X
Common crow	X	X	X	X
Tufted titmouse*	X	X	X	X
White-breasted nuthatch	X	X	X	X
Brown creeper*			X	X
Blue-gray gnatcatcher				X
Veery		X	X	X
Hermit thrush			X	X
Wood thrush			X	X
Gray catbird**	X	X	X	X
Yellow-throated vireo*	X	X	X	X
Red-eyed vireo*	X	X	X	X
Northern parula				X
Chestnut-sided warbler*		X	X	X
Black-throated blue warbler				X
Black-throated green warbler*			X	X
Black-and-white warbler			X	X
American redstart		X	X	X
Ovenbird			X	X
Northern waterthrush			X	X
Louisiana waterthrush			X	X
Mourning warbler			X	X
Canada warbler				X
Scarlet tanager		X	X	X
Rose-breasted grosbeak*	X	X	X	X
Rufous-sided towhee**		X	X	X

(See bibliography for references)

* Bird species that are uncommon in smaller forests.

* Some studies did not classify these species as area-sensitive.

** Some studies classified these species as area-sensitive, but most did not. These are more likely not area-sensitive.

II. Area-Sensitive+ Grassland Birds found in Maine

Bird Species	Minimum Block Size	Preferred Block Size
Upland Sandpiper	150 acres	500 acres
Bobolink	5 acres	75 acres
Eastern meadowlark	15 acres	20 acres
Grasshopper sparrow	30 acres	250 acres
Vesper sparrow	30 acres	50 acres
Savannah sparrow	20 acres	40 acres

(Jones & Vickery 1997; Vickery et al. 1997)

* Bird species that are uncommon in smaller grasslands.

III. Large Mammals Found in Southern and Central Maine

Species	Home Range*
Black Bear	19,200 acres
Bobcat	5760 acres
Fisher	4747-9600 acres
Mink	20-50 acres (females), 1280-2010 acres (males)
Moose	1280-12,800 acres
River Otter	15-30 linear miles

(DeGraaf & Rudis 1986)

IV. Turtles Found in Maine

Species	Home Range*	Additional Distances Traveled (for nesting, migrating, feeding)
Snapping Turtle	4.50-22 acres	Up to 5 miles
Common Musk Turtle	2.4 (females) acres 4.4 (males)	Less than 0.5 miles
Spotted Turtle	5-7 acres	Up to 1.25 miles
Wood Turtle	1446 river feet	Up to 6 river miles Up to 0.10 miles over land (500 feet)
Eastern Box Turtle	0.8-3 acres	Up to 0.2 miles
Eastern Painted Turtle	0-2 acres	Up to 1 mile or more
Blanding's Turtle	0-300 acres	Up to 4.20 miles

(DeGraaf & Rudis 1986; Ernst et al. 1994; Hunter, Albright & Arbuckle 1992; McCollough per comm.)

* Home range is the primary area in which an individual animal lives, and includes areas for resting, sleeping, feeding and breeding.