



## Birds

## Resource Brief



Red-bellied Woodpecker  
.36



Eastern Tufted Titmouse  
.36



Blue Jay  
.38



Downy Woodpecker  
.41



Eastern Wood-Pewee  
.48



American Robin  
.48



White-breasted Nuthatch  
.49



Wood Thrush  
.65



Scarlet Tanager  
.73



Red-eyed Vireo  
1.36

### Regional Bird Monitoring

Since 2007, the National Capital Region Network (NCRN) Inventory & Monitoring program has monitored birds at approximately 385 forest plots throughout the region. Birds are monitored at each plot twice every summer for a total of 770 visits a year. Because this long-term monitoring program occurs within forest habitats, it only accounts for bird species found in forests.

### Top 10 Most Common Birds at Catoctin Mountain Park

The pictures of birds stacked on the left side of the page represent the most commonly found birds in Catoctin's forests. The largest picture in the stack, the Red-eyed Vireo, represents the species with the highest density of birds per hectare (ha) of forest. There are 1.36 Red-eyed Vireos per hectare (although we don't actually have fractions of birds).

The smaller the image, the lower the species density rate and the less likely you are to find that species of bird. That means you're about twice as likely to find a Red-eyed Vireo (1.36 birds/ha) as the next bird in the list, the Scarlet Tanager (.73 birds/ha).

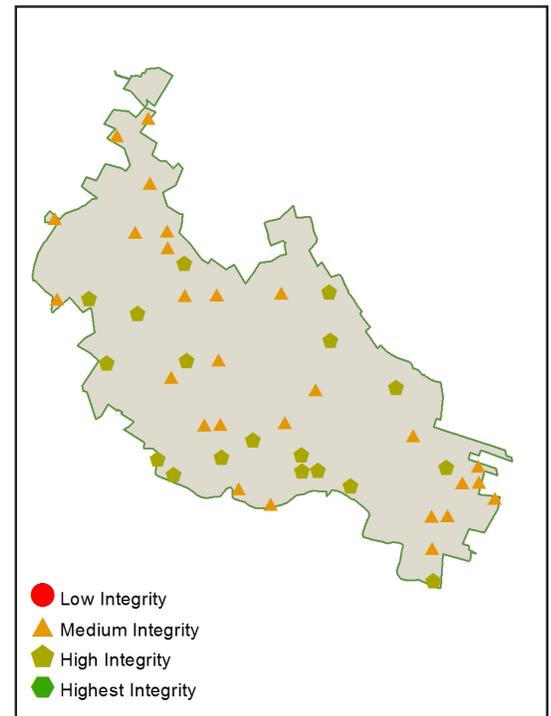
What's impressive about this top ten list is that it includes a species of conservation concern. The Wood Thrush, framed in yellow, is designated as a "watchlist species" by the Partners in Flight program. The fact that it makes Catoctin's top ten list means that this vulnerable species is finding valuable habitat at Catoctin. For a full list of birds found in Catoctin's forests, see reverse.

### Bird Monitoring Plots & Habitat Quality

Birds are monitored at forty-five forest plots in Catoctin Mountain Park. Based on the types of birds detected, each plot is rated for habitat quality.

Points with large numbers of generalist and habitat-insensitive species score poorly and those with high numbers of specialist or habitat-sensitive species get higher scores.

In this map, orange triangles mark Medium integrity habitat and light green pentagons mark High integrity habitat.



Bird monitoring plots, rated for habitat quality.

All photographs are used with permission of the Cornell Lab of Ornithology. Individual photographers noted on reverse.



## Birds of Catoctin's Forests

From 2007 to 2010, the number of different species detected each year at Catoctin ranged from 41 to 59. Catoctin is home to 13 species of conservation concern, marked below with asterisks.

Acadian Flycatcher**	Common Yellowthroat	Pileated Woodpecker
American Crow	Cooper's Hawk	Pine Warbler*
American Goldfinch	Downy Woodpecker	Red-bellied Woodpecker**
American Redstart	Eastern Kingbird	Red-eyed Vireo
American Robin	Eastern Phoebe	Red-tailed Hawk
Baltimore Oriole	Eastern Towhee**	Ruby-throated Hummingbird
Black-and-white Warbler	Eastern Tufted Titmouse	Scarlet Tanager
Black-billed Cuckoo	Eastern Wood-Pewee	Summer Tanager
Blackpoll Warbler	European Starling	Turkey Vulture
Black-throated Blue Warbler	Gray Catbird	Unidentified Chickadee <sup>+</sup>
Blue Jay	Gray-cheeked Thrush	Veery
Blue-gray Gnatcatcher	Great Crested Flycatcher	White-breasted Nuthatch
Blue-headed Vireo	Hairy Woodpecker	Wood Thrush*
Broad-winged Hawk	Hermit Thrush	Worm-eating Warbler*
Brown Creeper	Hooded Warbler**	Yellow-billed Cuckoo
Brown-headed Cowbird	House Wren	Yellow-throated Vireo**
Carolina Wren*	Indigo Bunting**	
Cedar Waxwing	Kentucky Warbler*	*Partners in Flight Watchlist species are vulnerable at a continental scale
Cerulean Warbler*	Louisiana Waterthrush*	**Stewardship Species have most of their global population within the region.
Chestnut-sided Warbler	Mourning Dove	
Chimney Swift	Northern Cardinal	
Chipping Sparrow	Northern Flicker	<sup>+</sup> Detections of Carolina and Black-capped Chickadee are combined
Common Grackle	Northern Parula	
Common Raven	Ovenbird	

### For further information

Ladin, Z., S. E. Goodwin, and W. G. Shriver. In Press. Avian Monitoring in the National Capital Region Network: 2007 – 2011. Natural Resource Data Series Report NPS/NCRN/NRDS—2011/TBD. National Park Service, Fort Collins, Colorado. Will be available online at: [http://science.nature.nps.gov/im/units/ncrn/monitoring\\_birds.cfm](http://science.nature.nps.gov/im/units/ncrn/monitoring_birds.cfm)

Sinclair, J., M. Koenen, S. Hood, M. Milton, and C. Wright. 2004. Avian Inventory at Six National Capital Region Parks Final Report (Revised). TIC#: NCRO D-48 Available online at: [http://science.nature.nps.gov/im/units/ncrn/inventories\\_avian.cfm](http://science.nature.nps.gov/im/units/ncrn/inventories_avian.cfm)

NCRN Bird Monitoring webpage: [http://science.nature.nps.gov/im/units/ncrn/monitoring\\_birds.cfm](http://science.nature.nps.gov/im/units/ncrn/monitoring_birds.cfm)