

BREEDING BIRD CENSUS RESULTS, 1997
CROOKED SLOUGH WOODS
UPPER MISSISSIPPI RIVER NATIONAL FISH AND WILDLIFE REFUGE
ROLLINGSTONE TOWNSHIP, MINNESOTA

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1997 CENSUS OF CROOKED SLOUGH WOODS

American Redstart	13.0
American Robin	11.0
Northern Oriole	8.0
Brown-headed cowbird	7.0
House Wren	6.0
Red-eyed Vireo	6.0
Rose-breasted Grosbeak	5.0
Great-crested Flycatcher	4.0
Eastern Wood Pewee	4.0
Blue-gray Gnatcatcher	4.0
Yellow-throated Vireo	4.0
Song Sparrow	4.0
Mourning Dove	3.0
Downy Woodpecker	3.0
Red-bellied Woodpecker	3.0
Blue Jay	3.0
Black-capped Chickadee	3.0
White-breasted Nuthatch	3.0
Northern Cardinal	3.0
Wood Duck	2.0
Northern Flicker	2.0
Pileated Woodpecker	2.0
Yellow-bellied Sapsucker	2.0
Hairy Woodpecker	2.0
Brown Creeper	2.0
Gray Catbird	2.0
Common Yellowthroat	2.0
Yellow-billed Cuckoo	1.0
Black-billed Cuckoo	1.0
Ruby-throated Hummingbird	1.0
Warbling Vireo	1.0
Cerulean Warbler	1.0

VISITORS:

Great Horned Owl
Short-eared Owl
American Crow
Winter Wren
Cedar Waxwing
Redwing Blackbird
Common Grackle
Scarlet Tanager
Indigo Bunting

DESCRIPTION OF PLOT: A square plot (350 x 350 m) of bottomland hardwoods forest with closed canopy of mature common cottonwood and silver maple covering 90 percent of the plot. Understory includes box elder, black willow, green ash, American hackberry. Stinging nettles primary ground cover. Mean canopy height, 27.1 m, range 19.1 m - 36.3 m. Plot is essentially level. Elevation: 215 m.

WEATHER:

MEAN TEMPS: June 21.7

NORMAL MEAN TEMPS: June 20.2

PRECIPITATION: June 7.9 cm

NORMAL PRECIP: June 9.6 cm

Temperatures and precipitation came from U.S. Weather Station, Lacrosse, Wisconsin.

REMARKS: A short-eared owl was seen four times, but because no nest was found, the owl was listed as a visitor. The great crested flycatcher, northern oriole, red-eyed vireo, song sparrow, gray catbird, northern cardinal and brown-headed cowbird showed fewest territories in 4-year history of plot. Previously 1-1.5 yellow-throated vireos were found; this year, 4.0.

FOUR-YEAR HISTORY, BREEDING BIRD CENSUS

CROOKED SLOUGH WOODS
(BOTTOMLAND HARDWOODS FOREST)
1997, 1995, 1994, 1993

	1997	1995	1994	1993	Avg.
<i>American Redstart</i>	13.0	13.0	9.0	6.0	10.2
American Robin	11.0	11.0	8.5	12.0	10.6
Barred Owl	0.0	0.0	1.0	1.0	0.5
<i>Black-billed Cuckoo</i>	1.0	0.0	0.0	0.0	0.2
Black-capped Chickadee	3.0	2.0	2.0	2.0	2.2
<i>Blue-gray Gnatcatcher</i>	4.0	5.0	8.0	4.0	5.2
Blue Jay	3.0	3.0	3.0	3.5	3.1
Brown Creeper	2.0	4.0+	3.0	2.0	2.7
Brown-headed Cowbird	7.0	13.0	8.0	8.0	9.0
<i>Common Yellowthroat</i>	2.0	2.0+	1.5	5.5	2.7
<i>Cedar Waxwing</i>	0.0	0.0	1.0	0.0	0.2
<i>Cerulean Warbler</i>	1.0	1.0	1.0+	0.0	0.7
Downy Woodpecker	3.0	3.0	3.0	2.0	2.7
<i>Eastern Wood Pewee</i>	4.0	5.0	4.0	5.0	4.5
<i>Gray Catbird</i>	2.0	6.0	3.0	4.0	3.7
<i>Great-crested Flycatcher</i>	4.0	7.0	7.0	6.5	6.1
Hairy Woodpecker	2.0	2.0	1.0	2.0	1.7
House Wren	6.0	7.0	6.0+	7.5	6.6
<i>Indigo Bunting</i>	0.0	1.0	0.0	1.0	0.5
Mourning Dove	3.0	2.0+	1.0	0.0	1.5
Northern Cardinal	3.0	5.0	4.5	4.0	4.1
<i>Northern Oriole</i>	8.0	10.0	9.0	9.5	9.1
Pileated Woodpecker	2.0	1.0	1.0	1.0	1.2
Red-bellied Woodpecker	3.0	2.0+	2.0	2.0	2.2
<i>Red-eyed Vireo</i>	6.0	7.0	9.0	13.0	8.7
<i>Rose-breasted Grosbeak</i>	5.0	4.0	4.0	4.0	4.2
<i>Ruby-throated Hummingbird</i>	1.0	0.0	1.0	0.0	0.5
<i>Scarlet Tanager</i>	0.0	1.0	0.0	0.0	0.2
Song Sparrow	4.0	6.0	6.0	6.0	5.5
<i>Warbling Vireo</i>	1.0	2.0	1.0	1.0	1.2
White-breasted Nuthatch	3.0	3.0	2.0+	2.0	2.5
<i>Winter Wren</i>	0.0	1.5	0.0	0.0	0.3
Wood Duck	2.0	2.0	2.0	2.0	2.0
<i>Wood Thrush</i>	0.0	1.0	0.0	0.0	0.2
<i>Yellow-bellied Sapsucker</i>	2.0	3.0	3.0	3.0	2.7
<i>Yellow-billed Cuckoo</i>	1.0	2.0	0.0	1.0	1.0
<i>Yellow-throated Vireo</i>	4.0	1.0	0.0	1.0	1.5

Species	32.0	33.0	30.0	29.0	31.0
Territories	116.0	138.5	115.5	122.0	123.0
Trop. Mig. Ter.	65.0	70.0	62.5	66.0	65.8
% Trop. Mig. Ter.	56.0%	50.5%	54.1%	54.0%	53.5%

Trop. Mig. Ter. = Tropical Migrant Territories
Tropical Migrants in Italics

