



2011 Breeding Bird Survey Results for Effigy Mounds National Monument, Iowa

Surveys conducted by Jon W. Stravers and Jessica Bolwahn

A Heartland Network Monitoring Report



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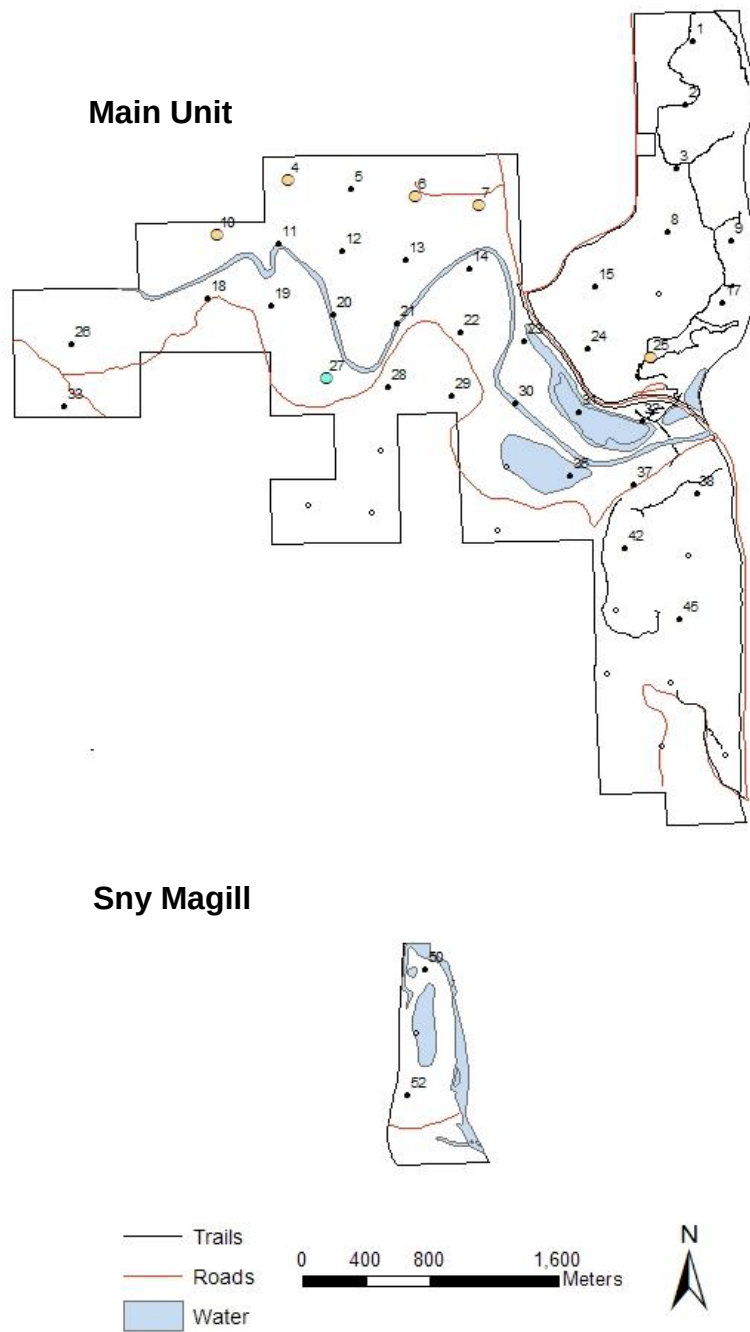


Figure 1. Areas of higher {gold (high) red (higher)} and lower {light blue (low) dark blue (lower)} than expected breeding bird species richness for plots on Effigy Mounds National Monument, Iowa in 2011.

Table 1. Number of individuals encountered per plot visit, and proportion of plots out of 39 occupied by breeding bird species at Effigy Mounds National Monument, Iowa during the 2011 bird surveys. Number of individuals per plot, and proportion of plots occupied includes all individuals recorded on plots during a 5-minute survey, including flyovers.

Common name	Species name	AOU code	Residency ¹	Individuals / plot visit	Proportion of plots occupied
Acadian Flycatcher	<i>Empidonax virescens</i>	ACFL	SR	0.33	0.26
American Crow	<i>Corvus brachyrhynchos</i>	AMCR	R	0.10	0.10
American Goldfinch	<i>Carduelis tristis</i>	AMGO	R	0.56	0.41
American Redstart	<i>Setophaga ruticilla</i>	AMRE	SR	1.33	0.69
American Robin	<i>Turdus migratorius</i>	AMRO	SR	0.95	0.69
Bald Eagle	<i>Haliaeetus leucocephalus</i>	BAEA	WR	--	--
Baltimore Oriole	<i>Icterus galbula</i>	BAOR	SR	1.03	0.62
Barn Swallow	<i>Hirundo rustica</i>	BARS	SR	0.03	0.03
Belted Kingfisher*	<i>Megaceryle alcyon</i>	BEKI	R	--	--
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>	BBCU	SR	0.05	0.05
Black-capped Chickadee	<i>Poecile atricapillus</i>	BCCH	R	0.08	0.08
Blue Jay	<i>Cyanocitta cristata</i>	BLJA	R	0.36	0.33
Blue-gray Gnatcatcher	<i>Poliophtila caerulea</i>	BGGN	SR	0.56	0.46
Blue-winged Warbler	<i>Vermivora pinus</i>	BWWA	SR	0.13	0.08
Brown Creeper	<i>Certhia americana</i>	BRCR	WR	--	--
Brown-headed Cowbird	<i>Molothrus ater</i>	BHCO	R	0.31	0.28
Brown Thrasher*	<i>Toxostoma rufum</i>	BRTH	SR	--	--
Cedar Waxwing	<i>Bombycilla cedrorum</i>	CEDW	R	0.03	0.03
Cerulean Warbler	<i>Dendroica cerulean</i>	CERW	SR	0.31	0.23
Chipping Sparrow	<i>Spizella passerina</i>	CHSP	SR	0.03	0.03
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>	CLSW	SR	0.26	0.08
Common Grackle	<i>Quiscalus quiscula</i>	COGR	R	0.08	0.08
Common Yellowthroat	<i>Geothlypis trichas</i>	COYE	SR	0.74	0.41
Downy Woodpecker	<i>Picoides pubescens</i>	DOWO	R	0.38	0.36
Eastern Bluebird*	<i>Sialia sialia</i>	EABL	R	--	--
Eastern Meadowlark	<i>Sturnella magna</i>	EAME	SR	0.03	0.03
Eastern Phoebe	<i>Sayornis phoebe</i>	EAPH	SR	0.03	0.03
Eastern Wood-pewee	<i>Contopus virens</i>	EAWP	SR	0.85	0.67
(Eastern) Tufted Titmouse	<i>Baeolophus bicolor</i>	ETTI	R	0.03	0.03
European Starling*	<i>Sturnus vulgaris</i>	EUST	R	--	--
Field Sparrow	<i>Spizella pusilla</i>	FISP	SR	0.03	0.03
Great Blue Heron	<i>Ardea herodias</i>	GBHE	SR	0.03	0.03
Great Crested Flycatcher	<i>Myiarchus crinitus</i>	GCFL	SR	0.10	0.10
Gray Catbird	<i>Dumetella carolinensis</i>	GRCA	SR	0.03	0.03
Hairy Woodpecker	<i>Picoides villosus</i>	HAWO	R	0.13	0.13
House Finch	<i>Carpodacus mexicanus</i>	HOFI	O	--	--
Hooded Merganser*	<i>Lophodytes cucullatus</i>	HOME	SR	--	--
House Wren	<i>Troglodytes aedon</i>	HOWR	SR	0.56	0.38
Indigo Bunting	<i>Passerina cyanea</i>	INBU	SR	0.21	0.18
Kentucky Warbler*	<i>Oporornis formosus</i>	KEWA	SR	--	--
Least Flycatcher	<i>Empidonax minimus</i>	LEFL	SR	0.13	0.13
Mallard*	<i>Anas platyrhynchos</i>	MALL	R	--	--
Northern Cardinal	<i>Cardinalis cardinalis</i>	NOCA	R	0.31	0.26
Northern Parula	<i>Parula americana</i>	NOPA	M	--	--
Olive-sided Flycatcher*	<i>Contopus cooperi</i>	OSFL	SR	--	--
Ovenbird	<i>Seiurus aurocapilla</i>	OVEN	SR	0.26	0.21
Pileated Woodpecker	<i>Dryocopus pileatus</i>	PIWO	R	0.23	0.23

Table 1. Number of individuals encountered per plot visit, and proportion of plots out of 39 occupied by breeding bird

species at Effigy Mounds National Monument, Iowa during the 2011 bird surveys. Number of individuals per plot, and proportion of plots occupied includes all individuals recorded on plots during a 5-minute survey, including flyovers (continued).

Common name	Species name	AOU code	Residency ¹	Individuals / plot visit	Proportion of plots occupied
Prothonotary Warbler	<i>Protonotaria citrea</i>	PROW	SR	0.26	0.18
Red-bellied Woodpecker	<i>Melanerpes carolinus</i>	RBWO	R	0.36	0.33
Red-eyed Vireo	<i>Vireo olivaceus</i>	REVI	SR	0.85	0.62
Red-headed Woodpecker	<i>Melanerpes</i>	RHWO	R	0.03	0.03
Red-shouldered Hawk	<i>Buteo lineatus</i>	RSHA	R	0.08	0.03
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	RWBL	R	0.39	0.15
Rose-breasted Grosbeak	<i>Pheucticus ludovicianus</i>	RBGR	SR	0.51	0.46
Ruby-throated Hummingbird	<i>Archilochus colubris</i>	RTHU	SR	0.05	0.05
Scarlet Tanager	<i>Piranga olivacea</i>	SCTA	SR	0.15	0.15
Song Sparrow	<i>Melospiza melodia</i>	SOSP	R	0.59	0.33
Tennessee Warbler	<i>Vermivora peregrina</i>	TEWA	M	--	--
Tree Swallow	<i>Tachycineta bicolor</i>	TRES	SR	0.21	0.05
Turkey Vulture	<i>Cathartes aura</i>	TUVU	SR	0.23	0.03
Warbling Vireo	<i>Vireo gilvus</i>	WAVI	SR	0.15	0.08
White-breasted Nuthatch	<i>Sitta carolinensis</i>	WBNU	R	0.13	0.13
Willow Flycatcher	<i>Empidonax traillii</i>	WIFL	SR	0.03	0.03
Wild Turkey	<i>Meleagris gallopavo</i>	WITU	R	0.03	0.03
Wood Thrush	<i>Hylocichla mustelina</i>	WOTH	SR	0.13	0.10
Worm-eating Warbler	<i>Helminthos vermivorum</i>	WEWA	O	--	--
Yellow-billed Cuckoo	<i>Coccyzus americanus</i>	YBCU	SR	0.26	0.23
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	YBSA	R	0.15	0.15
Northern (Yellow-shafted) Flicker	<i>Colaptes auratus</i>	YSFL	R	0.08	0.08
Yellow-throated Vireo	<i>Vireo flavifrons</i>	YTVI	SR	0.62	0.59
Yellow Warbler	<i>Dendroica petechia</i>	YWAR	SR	0.03	0.03

¹ Residency status: SR = summer resident; R = year around resident; WR = winter resident; M = late season migrant; O = outside of normal range (Stokes, D.W. and L.Q. Stokes. 1996. Stokes Field Guide to Birds: Eastern Region. Little, Brown and Company, New York, New York. 471 pp). Permanent and summer resident birds are referred to as breeding species for analysis in this document.

* Breeding species recorded outside of 5-minute survey periods.

Species names are valid and verified names obtained from ITIS. (Integrated Taxonomic Information System. Accessed in 2011, <http://www.itis.gov/>).

Bolded species names are those species considered of continental importance (Rich, T.D., C.J. Beardmore, H. Berlanga, P.J. Blancher, M.S.W. Bradstreet, G.S. Butcher, D.W. Demarest, E.H. Dunn, W.C. Hunter, E.E. Inigo-Elias, J.A. Kennedy, A.M. Martell, A.O. Panjabi, D.N. Pashley, K.V. Rosenberg, C.M. Rustay, J.S. Wendt, T.C. Will. 2004. Partners in Flight North American Landbird Conservation Plan. Cornell Lab of Ornithology, Ithaca, New York. 84pp).

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