National Park Service
U.S. Department of the Interior

2010 Breeding Bird Survey Results for Effigy Mounds National Monument, Iowa

Surveys conducted by Darwin D. Koenig, Emily K. Groom, and Jon W. Stravers

A Heartland Network Monitoring Report

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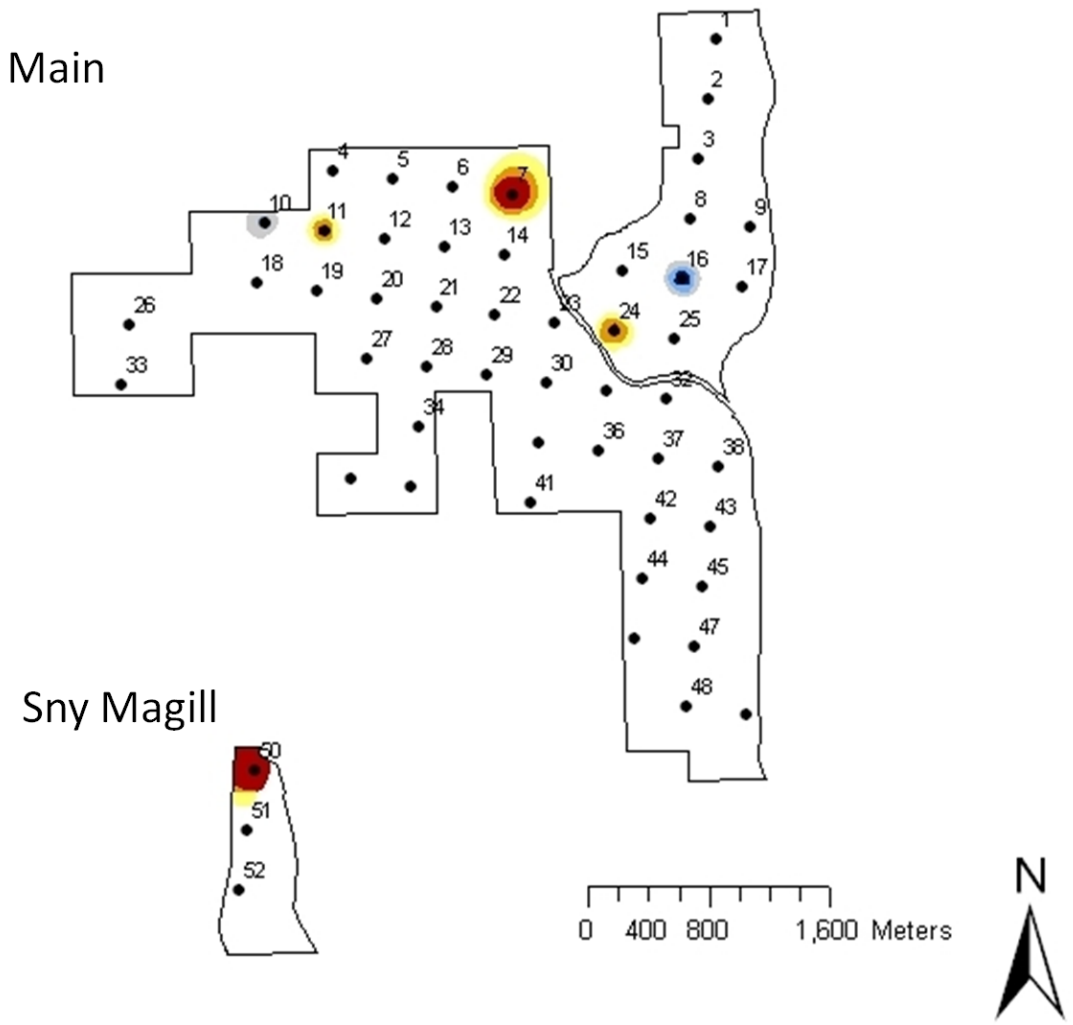

Figure 1. Areas of higher (red) and lower (blue) then expected breeding bird species richness for plots on Effigy Mounds National Monument, Iowa in 2010.

Table 1. Number of individuals encountered per plot visit, and proportion of plots out of 46 occupied by breeding bird species at Effigy Mounds National Monument, Iowa during the 2010 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	***Empidonax virescens***	**ACFL**	**SR**	**0.13**	**0.13**
American Crow	*Corvus brachyrhynchos*	AMCR	R	0.13	0.11
American Goldfinch	*Carduelis tristis*	AMGO	R	0.37	0.33
American Redstart	*Setophaga ruticilla*	AMRE	SR	0.89	0.59
American Robin	*Turdus migratorius*	AMRO	SR	1.30	0.89
Bald Eagle	***Haliaeetus leucocephalus***	**BAEA**	**WR**	**--**	**--**
Baltimore Oriole	*Icterus galbula*	BAOR	SR	0.65	0.46
Belted Kingfisher	*Megaceryle alcyon*	BEKI	R	0.02	0.02
Black-billed Cuckoo	*Coccyzus erythropthalmus*	BBCU	SR	0.02	0.02
Black-capped Chickadee	*Poecile atricapillus*	BCCH	R	0.11	0.09
Blue Jay	*Cyanocitta cristata*	BLJA	R	0.43	0.33
Blue-gray Gnatcatcher	*Polioptila caerulea*	BGGN	SR	0.26	0.24
Blue-winged Warbler	***Vermivora pinus***	**BWWA**	**SR**	**0.09**	**0.07**
Brown Creeper	*Certhia americana*	BRCR	WR	--	--
Brown-headed Cowbird	*Molothrus ater*	BHCO	R	0.11	0.11
Canada Goose	*Branta canadensis*	CAGO	SR	0.02	0.02
Cedar Waxwing	*Bombycilla cedrorum*	CEDW	R	0.02	0.02
Cerulean Warbler	***Dendroica cerulean***	**CERW**	**SR**	**0.33**	**0.28**
Common Grackle	*Quiscalus quiscula*	COGR	R	0.07	0.07
Common Yellowthroat	*Geothlypis trichas*	COYE	SR	0.63	0.39
Downy Woodpecker	*Picoides pubescens*	DOWO	R	0.33	0.26
Eastern Meadowlark*	*Sturnella magna*	EAME	SR	--	--
Eastern Towhee	***Pipilo erythrophthalmus***	**EATO**	**SR**	**0.04**	**0.04**
Eastern Wood-pewee	*Contopus virens*	EAWP	SR	0.80	0.65
(Eastern) Tufted Titmouse	*Baeolophus bicolor*	ETTI	R	0.37	0.33
European Starling	*Sturnus vulgaris*	EUST	R	0.02	0.02
Field Sparrow	*Spizella pusilla*	FISP	SR	0.04	0.02
Great Blue Heron*	*Ardea herodias*	GBHE	SR	--	--
Great Crested Flycatcher	*Myiarchus crinitus*	GCFL	SR	0.13	0.11
Grasshopper Sparrow	***Ammodramus savannarum***	**GRSP**	**SR**	**0.02**	**0.02**
Gray Catbird	*Dumetella carolinensis*	GRCA	SR	0.13	0.13
Hairy Woodpecker	*Picoides villosus*	HAWO	R	0.22	0.22
House Wren	*Troglodytes aedon*	HOWR	SR	0.98	0.70
Indigo Bunting	***Passerina cyanea***	**INBU**	**SR**	**0.28**	**0.24**
Least Flycatcher	*Empidonax minimus*	LEFL	SR	0.02	0.02
Mourning Dove	*Zenaida macroura*	MODO	R	0.04	0.04
Northern Cardinal	*Cardinalis cardinalis*	NOCA	R	0.20	0.20
Northern Rough-winged Swallow*	*Stelgidopteryx serripennis*	NRWS	SR	--	--
Ovenbird	*Seiurus aurocapilla*	OVEN	SR	0.33	0.26
Pileated Woodpecker	*Dryocopus pileatus*	PIWO	R	0.28	0.28
Prothonotary Warbler	***Protonotaria citrea***	**PROW**	**SR**	**0.11**	**0.11**
Red-bellied Woodpecker	***Melanerpes carolinus***	**RBWO**	**R**	**0.52**	**0.50**
Red-eyed Vireo	*Vireo olivaceus*	REVI	SR	0.63	0.48
Red-headed Woodpecker	***Melanerpes***	**RHWO**	**R**	**0.13**	**0.11**
Red-shouldered Hawk	***Buteo lineatus***	**RSHA**	**R**	**0.02**	**0.02**
Red-tailed Hawk	*Buteo jamaicensis*	RTHA	R	0.02	0.02
Red-winged Blackbird	*Agelaius phoeniceus*	RWBL	R	0.17	0.07

Table 1. Number of individuals encountered per plot visit, and proportion of plots out of 46 occupied by breeding bird species at Effigy Mounds National Monument, Iowa during the 2010 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
Rose-breasted Grosbeak	*Pheucticus ludovicianus*	RBGR	SR	0.59	0.50
Ruby-throated Hummingbird	*Archilochus colubris*	RTHU	SR	0.04	0.04
Scarlet Tanager	*Piranga olivacea*	SCTA	SR	0.17	0.17
Song Sparrow	*Melospiza melodia*	SOSP	R	0.57	0.35
Turkey Vulture	*Cathartes aura*	TUVU	SR	0.13	0.02
Warbling Vireo	*Vireo gilvus*	WAVI	SR	0.13	0.11
White-breasted Nuthatch	*Sitta carolinensis*	WBNU	R	0.22	0.20
White-eyed Vireo	***Vireo griseus***	**WEVI**	**O**	**--**	**--**
Willow Flycatcher	***Empidonax traillii***	**WIFL**	**SR**	**0.02**	**0.02**
Wild Turkey	*Meleagris gallopavo*	WITU	R	0.07	0.07
Wood Duck	*Aix sponsa*	WODU	SR	0.13	0.11
Wood Thrush	***Hylocichla mustelina***	**WOTH**	**SR**	**0.17**	**0.13**
Worm-eating Warbler	*Helmitheros vermivorum*	WEWA	O	--	--
Yellow-billed Cuckoo	*Coccyzus americanus*	YBCU	SR	0.17	0.17
Yellow-bellied Sapsucker	***Sphyrapicus varius***	**YBSA**	**R**	**0.07**	**0.07**
Northern (Yellow-shafted) Flicker	*Colaptes auratus*	YSFL	R	0.02	0.02
Yellow-throated Vireo	***Vireo flavifrons***	**YTVI**	**SR**	**0.11**	**0.11**
Yellow Warbler	*Dendroica petechia*	YWAR	SR	0.02	0.02

[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 2010, 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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