



2012 Breeding Bird Survey Results for Hopewell Culture National Historical Park, Ohio

Surveys conducted by David L. Hess, Dafna Reiner, Andrew L. Molloy, and John Hutcherson

A Heartland Network Monitoring Report



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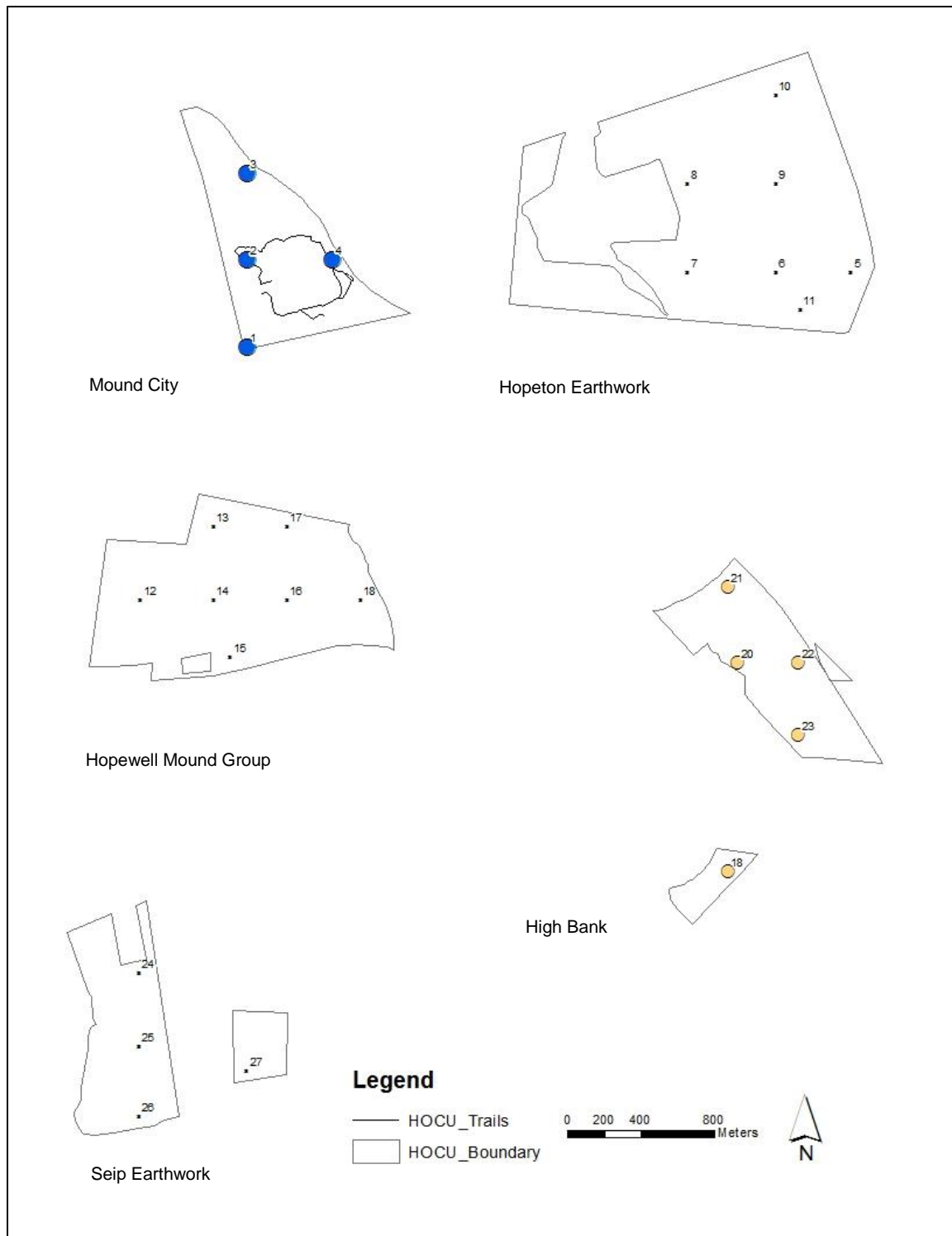


Figure 1. Areas of higher {gold (high) \square red (higher)} and lower {light blue (low) \square dark blue (lower)} than expected breeding bird species richness for plots on Hopewell Culture National Historical Park, Ohio in 2012.

Table 1. Number of individuals encountered per plot visit, and proportion of plots out of 27 occupied by breeding bird species at Hopewell Culture National Historical Park, Ohio during the 2012 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
American Coot	<i>Fulica americana</i>	AMCO	SR	0.11	0.11
American Crow	<i>Corvus brachyrhynchos</i>	AMCR	R	0.26	0.26
American Goldfinch	<i>Carduelis tristis</i>	AMGO	SR	0.41	0.30
American Robin	<i>Turdus migratorius</i>	AMRO	R	0.56	0.44
Baltimore Oriole	<i>Icterus galbula</i>	BAOR	SR	0.07	0.07
Bank Swallow	<i>Riparia riparia</i>	BANS	SR	0.22	0.15
Barn Swallow	<i>Hirundo rustica</i>	BARS	SR	0.15	0.11
Blue Jay	<i>Cyanocitta cristata</i>	BLJA	R	0.11	0.11
Blue-gray Gnatcatcher	<i>Polioptila caerulea</i>	BGGN	SR	0.07	0.07
Blue-winged Warbler	<i>Vermivora pinus</i>	BWWA	SR	0.07	0.07
Brown-headed Cowbird	<i>Molothrus ater</i>	BHCO	SR	0.15	0.15
Brown Thrasher	<i>Toxostoma rufum</i>	BRTH	R	0.11	0.11
Canada Goose	<i>Branta canadensis</i>	CAGO	R	0.37	0.07
Carolina Chickadee	<i>Poecile carolinensis</i>	CACH	R	0.07	0.07
Carolina Wren	<i>Thryothorus ludovicianus</i>	CARW	R	0.37	0.33
Cedar Waxwing	<i>Bombycilla cedrorum</i>	CEDW	SR	0.22	0.11
Chimney Swift	<i>Chaetura pelagic</i>	CHSW	SR	0.15	0.11
Chipping Sparrow*	<i>Spizella passerina</i>	CHSP	SR	--	--
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>	CLSW	SR	0.04	0.04
Common Grackle	<i>Quiscalus quiscula</i>	COGR	R	1.70	0.78
Common Yellowthroat	<i>Geothlypis trichas</i>	COYE	SR	0.67	0.63
Cooper's Hawk	<i>Accipiter cooperii</i>	COHA	SR	0.04	0.04
Dickcissel	<i>Spiza americana</i>	DICK	SR	0.30	0.19
Downy Woodpecker	<i>Picoides pubescens</i>	DOWO	R	0.11	0.11
Eastern Bluebird	<i>Sialia sialis</i>	EABL	SR	0.26	0.22
Eastern Kingbird	<i>Tyrannus tyrannus</i>	EAKI	SR	0.11	0.11
Eastern Meadowlark	<i>Sturnella magna</i>	EAME	SR	0.48	0.41
Eastern Phoebe	<i>Sayornis phoebe</i>	EAPH	SR	0.07	0.07
Eastern Towhee	<i>Pipilo erythrophthalmus</i>	EATO	SR	0.15	0.15
Eastern Wood-pewee	<i>Contopus virens</i>	EAWP	SR	0.07	0.07
European Starling	<i>Sturnus vulgaris</i>	EUST	R	8.44	0.59
Field Sparrow	<i>Spizella pusilla</i>	FISP	SR	0.44	0.41
Great Blue Heron	<i>Ardea herodias</i>	GBHE	SR	0.22	0.15
Great Crested Flycatcher	<i>Myiarchus crinitus</i>	GCFL	SR	0.11	0.11
Golden-crowned Kinglet	<i>Regulus satrapa</i>	GCKI	WR	--	--
Gray Catbird	<i>Dumetella carolinensis</i>	GRCA	SR	0.22	0.11
Green Heron	<i>Butorides virescens</i>	GRHE	SR	0.04	0.04
Grasshopper Sparrow	<i>Ammodramus savannarum</i>	GRSP	SR	0.22	0.19
Henslow's Sparrow	<i>Ammodramus henslowii</i>	HESP	SR	0.15	0.11
Horned Lark	<i>Eremophila alpestris</i>	HOLA	R	0.04	0.04
House Finch	<i>Carpodacus mexicanus</i>	HOFI	R	0.04	0.04
House Sparrow*	<i>Passer domesticus</i>	HOSP	R	--	--
House Wren	<i>Troglodytes aedon</i>	HOWR	SR	0.07	0.07
Indigo Bunting	<i>Passerina cyanea</i>	INBU	SR	0.48	0.44
Killdeer*	<i>Charadrius vociferus</i>	KILL	SR	--	--
Mallard*	<i>Anas platyrhynchos</i>	MALL	SR	--	--

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Common name	Species name	AOU code	Residency ¹	Individuals / plot visit	Proportion of plots occupied
Mourning Dove	<i>Zenaida macroura</i>	MODO	R	0.70	0.37
Northern Cardinal	<i>Cardinalis cardinalis</i>	NOCA	R	0.52	0.52
Northern Flicker	<i>Colaptes auratus</i>	YSFL	R	0.11	0.11
Northern Mockingbird	<i>Minus polyglottos</i>	NOMO	R	0.04	0.04
Northern Parula	<i>Parula americana</i>	NOPA	SR	0.04	0.04
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>	NRWS	SR	0.41	0.19
Orchard Oriole	<i>Icterus spurius</i>	OROR	SR	0.11	0.11
Prairie Warbler*	<i>Dendroica discolor</i>	PRAW	SR	--	--
Rose-breasted Grosbeak*	<i>Pheucticus ludovicianus</i>	RBGR	SR	--	--
Red-bellied Woodpecker	<i>Melanerpes carolinus</i>	RBWO	R	0.04	0.04
Red-eyed Vireo	<i>Vireo olivaceus</i>	REVI	SR	0.19	0.15
Red-tailed Hawk	<i>Buteo jamaicensis</i>	RTHA	R	0.07	0.07
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	RWBL	R	1.63	0.59
Ring-necked Pheasant	<i>Phasianus colchicus</i>	RPHE	R	0.04	0.04
Rock Dove	<i>Columba livia</i>	RODO	R	0.19	0.07
Scarlet Tanager	<i>Piranga olivacea</i>	SCTA	SR	0.04	0.04
Song Sparrow	<i>Melospiza melodia</i>	SOSP	R	0.70	0.56
Tree Swallow	<i>Tachycineta bicolor</i>	TRES	SR	0.52	0.26
Tufted Titmouse	<i>Parus bicolor</i>	ETTI	R	0.19	0.19
Turkey Vulture	<i>Cathartes aura</i>	TUVU	SR	0.15	0.11
Warbling Vireo	<i>Vireo gilvus</i>	WAVI	SR	0.19	0.19
White-breasted Nuthatch	<i>Sitta carolinensis</i>	WBNU	R	0.04	0.04
White-eyed Vireo	<i>Vireo griseus</i>	WEVI	SR	0.04	0.04
Wild Turkey*	<i>Meleagris gallopavo</i>	WITU	R	--	--
Willow Flycatcher	<i>Empidonax traillii</i>	WIFL	SR	0.07	0.07
Wood Thrush	<i>Hylocichla mustelina</i>	WOTH	SR	0.26	0.26
Yellow-billed Cuckoo	<i>Coccyzus americanus</i>	YBCU	SR	0.04	0.04
Yellow-breasted Chat	<i>Icteria virens</i>	YBCH	SR	0.30	0.26
Yellow-rumped Warbler	<i>Dendroica coronata</i>	MYWA	WR	0.11	0.11
Yellow Warbler	<i>Dendroica petechia</i>	YWAR	SR	0.07	0.07

¹ Residency status: R = year around resident; SR = summer resident; WR = winter resident (Peterjohn, B.G. 2001. The Birds of Ohio: with the Ohio breeding bird atlas. The Wooster Book Company, Wooster, Ohio. 637pp). 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 2012, <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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