



2013 Breeding Bird Survey Results for Hopewell Culture National Historical Park, Ohio

Surveys conducted by David L. Hess, Dafna Reiner, and Bruce J. Lombardo

A Heartland Network Monitoring Report



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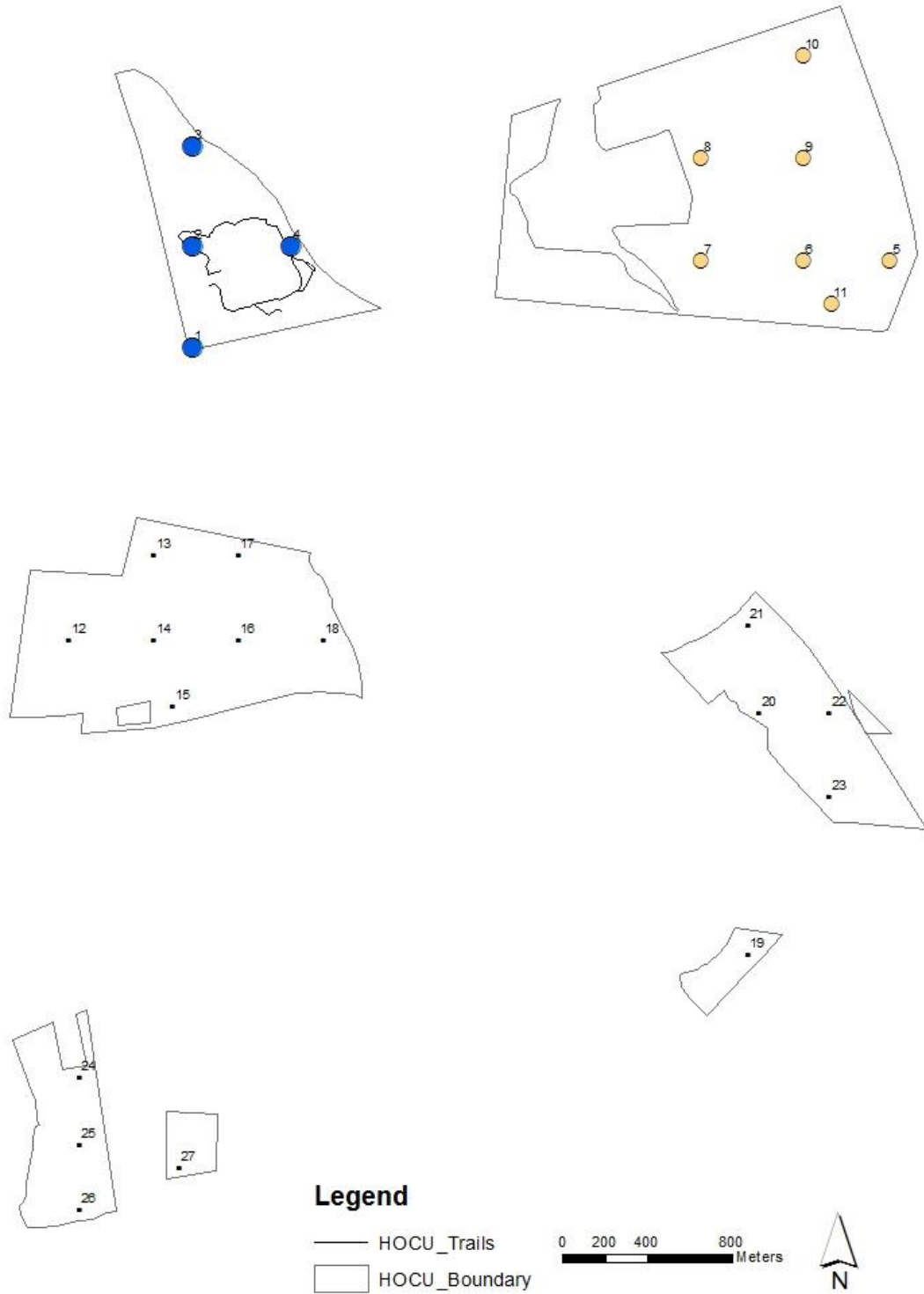


Figure 1. Areas of higher {gold (high) \square red (higher)} and lower {light blue (low) \square dark blue (lower)} than expected breeding bird species richness for plots on Hopewell Culture National Historical Park, Ohio in 2013.

Table 1. Number of individuals encountered per plot visit, and proportion of plots out of 28 occupied by breeding bird species at Hopewell Culture National Historical Park, Ohio during the 2013 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	0.14	0.07
American Coot	<i>Fulica americana</i>	AMCO	SR	0.07	0.07
American Crow	<i>Corvus brachyrhynchos</i>	AMCR	R	0.21	0.21
American Goldfinch	<i>Carduelis tristis</i>	AMGO	SR	0.75	0.46
American Redstart	<i>Setophaga ruticilla</i>	AMRE	SR	0.04	0.04
American Robin	<i>Turdus migratorius</i>	AMRO	R	0.32	0.29
Bank Swallow	<i>Riparia riparia</i>	BANS	SR	0.11	0.07
Baltimore Oriole	<i>Icterus galbula</i>	BAOR	SR	0.14	0.14
Barn Swallow	<i>Hirundo rustica</i>	BARS	SR	0.25	0.11
Blue-gray Gnatcatcher	<i>Polioptila caerulea</i>	BGGN	SR	0.07	0.07
Blue Grosbeak	<i>Passerina caerulea</i>	BLGR	SR	0.07	0.07
Blue Jay	<i>Cyanocitta cristata</i>	BLJA	R	0.18	0.14
Blue-winged Warbler	<i>Vermivora pinus</i>	BWWA	SR	0.04	0.04
Brown-headed Cowbird	<i>Molothrus ater</i>	BHCO	SR	0.18	0.11
Brown Thrasher	<i>Toxostoma rufum</i>	BRTH	R	0.21	0.21
Canada Goose	<i>Branta Canadensis</i>	CAGO	R	0.21	0.04
Carolina Chickadee	<i>Poecile carolinensis</i>	CACH	R	0.07	0.07
Carolina Wren	<i>Thryothorus ludovicianus</i>	CARW	R	0.50	0.46
Cedar Waxwing	<i>Bombycilla cedrorum</i>	CEDW	SR	0.46	0.21
Chimney Swift	<i>Chaetura pelagica</i>	CHSW	SR	0.11	0.07
Cliff Swallow*	<i>Petrochelidon pyrrhonota</i>	CLSW	SR	--	--
Common Grackle	<i>Quiscalus quiscula</i>	COGR	R	0.71	0.50
Common Yellowthroat	<i>Geothlypis trichas</i>	COYE	SR	0.68	0.54
Dickcissel	<i>Spiza americana</i>	DICK	SR	0.36	0.25
Downy Woodpecker*	<i>Picoides pubescens</i>	DOWO	R	--	--
Eastern Bluebird	<i>Sialia sialis</i>	EABL	SR	0.14	0.07
Eastern Kingbird	<i>Tyrannus tyrannus</i>	EAKI	SR	0.07	0.07
Eastern Meadowlark	<i>Sturnella magna</i>	EAME	SR	1.14	0.39
Eastern Phoebe	<i>Sayornis phoebe</i>	EAPH	SR	0.04	0.04
Eastern Towhee	<i>Pipilo erythrophthalmus</i>	EATO	SR	0.29	0.29
Eastern Wood-pewee	<i>Contopus virens</i>	EAWP	SR	0.11	0.07
(Eastern) Tufted Titmouse	<i>Baeolophus bicolor</i>	ETTI	R	0.32	0.29
European Starling	<i>Sturnus vulgaris</i>	EUST	R	3.46	0.43
Field Sparrow	<i>Spizella pusilla</i>	FISP	SR	0.82	0.61
Great Blue Heron	<i>Ardea Herodias</i>	GBHE	SR	0.14	0.14
Gray Catbird	<i>Dumetella carolinensis</i>	GRCA	SR	0.29	0.25
Grasshopper Sparrow	<i>Ammodramus savannarum</i>	GRSP	SR	0.46	0.32
Henslow's Sparrow	<i>Ammodramus henslowii</i>	HESP	SR	0.29	0.18
House Finch	<i>Carpodacus mexicanus</i>	HOFI	R	0.21	0.11
House Wren	<i>Troglodytes aedon</i>	HOWR	SR	0.21	0.21
Indigo Bunting	<i>Passerina cyanea</i>	INBU	SR	0.46	0.43
Killdeer*	<i>Charadrius vociferous</i>	KILL	SR	--	--
Mourning Dove	<i>Zenaida macroura</i>	MODO	R	0.46	0.29
Northern Cardinal	<i>Cardinalis cardinalis</i>	NOCA	R	0.50	0.39
Northern (Yellow-shafted) Flicker	<i>Colaptes auratus</i>	YSFL	R	0.07	0.07
Northern Mockingbird	<i>Mimus polyglottos</i>	NOMO	R	0.04	0.04
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>	NRWS	SR	0.32	0.25

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Orchard Oriole	<i>Icterus spurius</i>	OROR	SR	0.07	0.07
Pileated Woodpecker*	<i>Dryocopus pileatus</i>	PIWO	R	--	--
Prairie Warbler	<i>Dendroica discolor</i>	PRAW	SR	0.04	0.04
Purple Martin*	<i>Progne subis</i>	PUMA	SR	--	--
Red-bellied Woodpecker	<i>Melanerpes carolinus</i>	RBWO	R	0.07	0.07
Red-eyed Vireo	<i>Vireo olivaceus</i>	REVI	SR	0.14	0.14
Rock Dove*	<i>Columba livia</i>	RODO	R	--	--
Ring-neck Pheasant	<i>Phasianus colchicus</i>	RPHE	R	0.04	0.04
Red-tailed Hawk	<i>Buteo jamaicensis</i>	RTHA	R	0.04	0.04
Ruby-throated Hummingbird*	<i>Archilochus colubris</i>	RTHU	SR	--	--
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	RWBL	R	2.36	0.75
Savannah Sparrow*	<i>Passerculus sandwichensis</i>	SAVS	SR	--	--
Scarlet Tanager	<i>Piranga olivacea</i>	SCTA	SR	0.11	0.11
Song Sparrow	<i>Melospiza melodia</i>	SOSP	R	0.50	0.43
Tree Swallow	<i>Tachycineta bicolor</i>	TRES	SR	0.18	0.14
Turkey Vulture	<i>Cathartes aura</i>	TUVU	SR	0.43	0.21
Warbling Vireo	<i>Vireo gilvus</i>	WAVI	SR	0.14	0.14
White-eyed Vireo	<i>Vireo griseus</i>	WEVI	SR	0.11	0.11
Willow Flycatcher	<i>Empidonax traillii</i>	WIFL	SR	0.04	0.04
Wild Turkey*	<i>Meleagris gallopavo</i>	WITU	R	--	--
Wood Duck	<i>Aix sponsa</i>	WODU	SR	0.04	0.04
Wood Thrush	<i>Hylocichla mustelina</i>	WOTH	SR	0.07	0.07
Yellow-breasted Chat	<i>Icteria virens</i>	YBCH	SR	0.04	0.04
Yellow-throated Vireo	<i>Vireo flavifrons</i>	YTVI	SR	0.04	0.04
Yellow Warbler	<i>Dendroica petechia</i>	YWAR	SR	0.14	0.14

¹ Residency status: R = year around resident; SR = summer 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 2013, <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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