



2011 Breeding Bird Survey Results for Wilson's Creek National Battlefield, Missouri

Surveys conducted by Dorthy O. Thurman, Myra Scroggs, Ann Liles, and Dean R. Rising

A Heartland Network Monitoring Report



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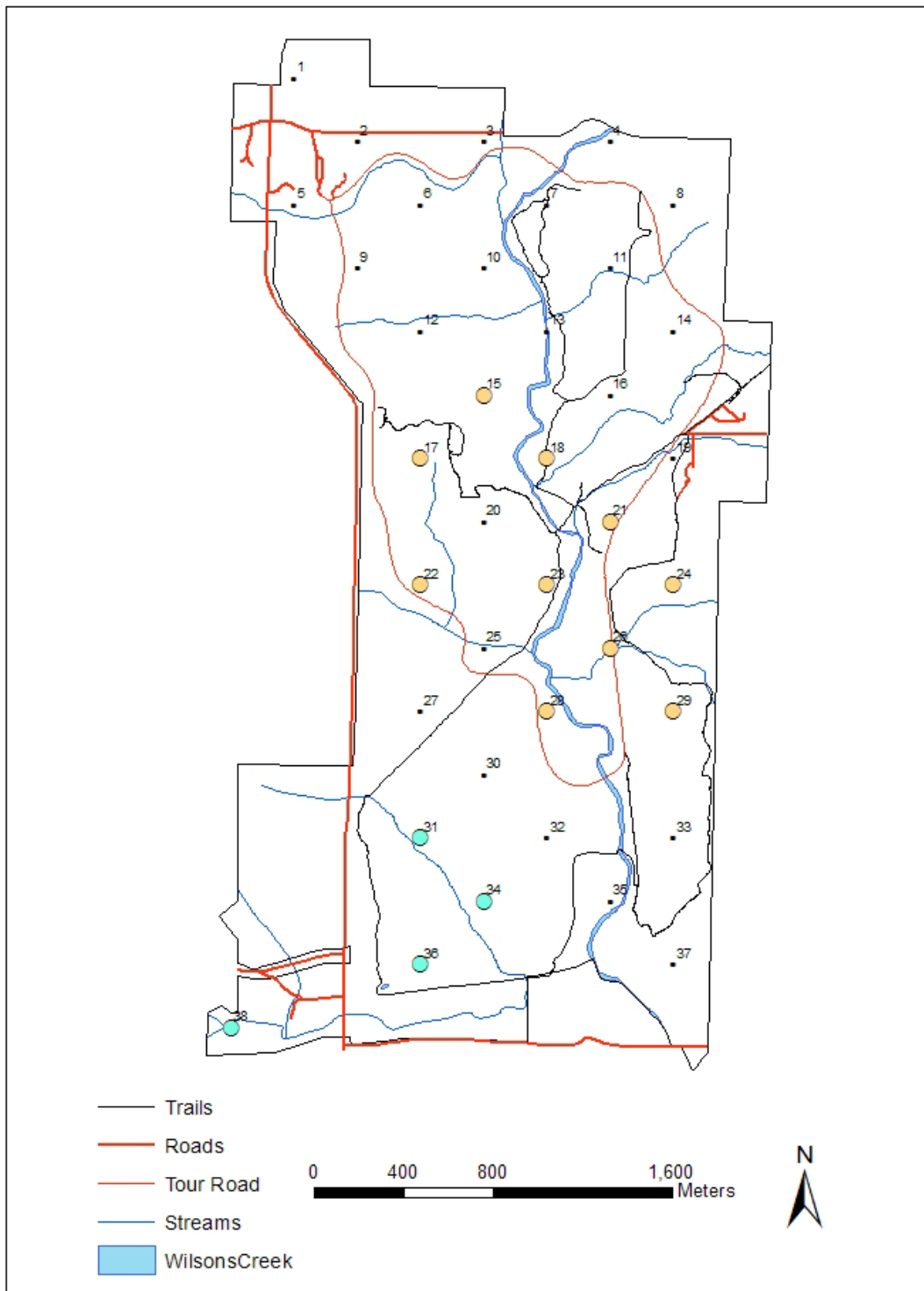


Figure 1. Areas of higher {gold (high) $\square$ red (higher)} and lower {light blue (low) $\square$ dark blue (lower)} than expected breeding bird species richness for plots on Wilson's Creek National Battlefield, Missouri in 2011.

Table 1. Number of individuals encountered per plot visit, and proportion of plots out of 33 occupied by breeding bird species at Wilson's Creek National Battlefield, Missouri 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	0.18	0.13
American Crow	<i>Corvus brachyrhynchos</i>	AMCR	R	0.71	0.47
American Goldfinch	<i>Carduelis tristis</i>	AMGO	R	0.18	0.11
American Redstart	<i>Setophaga ruticilla</i>	AMRE	SR	0.05	0.05
American Robin	<i>Turdus migratorius</i>	AMRO	R	0.05	0.05
Bank Swallow	<i>Riparia riparia</i>	BANS	SR	0.03	0.03
Barn Swallow	<i>Hirundo rustica</i>	BARS	SR	0.05	0.03
Belted Kingfisher	<i>Megasceryle alcyon</i>	BEKI	R	0.03	0.03
Bell's Vireo	<i>Vireo bellii</i>	BEVI	SR	0.05	0.05
Blue Jay	<i>Cyanocitta cristata</i>	BLJA	R	0.29	0.29
Blue-gray Gnatcatcher	<i>Poliophtila caerulea</i>	BGGN	SR	0.61	0.42
Black-throated Green Warbler	<i>Dendroica virens</i>	BTNW	M	--	--
Blue-winged Warbler	<i>Vermivora pinus</i>	BWWA	SR	0.13	0.08
Brown-headed Cowbird	<i>Molothrus ater</i>	BHCO	R	0.58	0.29
Brown Thrasher	<i>Toxostoma rufum</i>	BRTH	R	0.03	0.03
Carolina Chickadee	<i>Poecile carolinensis</i>	CACH	R	0.26	0.16
Carolina Wren	<i>Thryothorus ludovicianus</i>	CARW	R	0.16	0.16
Chipping Sparrow	<i>Spizella passerine</i>	CHSP	SR	0.08	0.05
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>	CLSW	SR	0.47	0.03
Common Grackle	<i>Quiscalus quiscula</i>	COGR	R	0.05	0.03
Common Yellowthroat	<i>Geothlypis trichas</i>	COYE	SR	0.53	0.37
Dickcissel	<i>Spiza americana</i>	DICK	SR	0.34	0.13
Downy Woodpecker	<i>Picoides pubescens</i>	DOWO	R	0.13	0.11
Eastern Bluebird	<i>Sialia sialis</i>	EABL	R	0.21	0.16
Eastern Meadowlark	<i>Sturnella magna</i>	EAME	SR	0.16	0.13
Eastern Phoebe	<i>Sayornis phoebe</i>	EAPH	R	0.11	0.08
Eastern Towhee	<i>Pipilo erythrophthalmus</i>	EATO	R	0.71	0.53
Eastern Wood-pewee	<i>Contopus virens</i>	EAWP	SR	0.32	0.26
(Eastern) Tufted Titmouse	<i>Baeolophus bicolor</i>	ETTI	R	0.50	0.37
European Starling	<i>Sturnus vulgaris</i>	EUST	R	0.05	0.05
Field Sparrow	<i>Spizella pusilla</i>	FISP	R	1.29	0.68
Great Blue Heron	<i>Ardea herodias</i>	GBHE	R	0.05	0.05
Great Crested Flycatcher	<i>Myiarchus crinitus</i>	GCFL	SR	0.24	0.24
Grasshopper Sparrow	<i>Ammodramus savannarum</i>	GRSP	SR	0.05	0.03
Henslow's Sparrow	<i>Ammodramus henslowii</i>	HESP	M	--	--
House Sparrow	<i>Passer domesticus</i>	HOSP	R	0.03	0.03
House Wren	<i>Troglodytes aedon</i>	HOWR	SR	0.03	0.03
Indigo Bunting	<i>Passerina cyanea</i>	INBU	SR	1.08	0.68
Kentucky Warbler	<i>Oporornis formosus</i>	KEWA	SR	0.11	0.08
Killdeer	<i>Charadrius vociferus</i>	KILL	R	0.05	0.05
Least Flycatcher	<i>Empidonax minimus</i>	LEFL	M	--	--
Louisiana Waterthrush	<i>Seiurus motacilla</i>	LOWA	SR	0.08	0.08
Mourning Dove	<i>Zenaida macroura</i>	MODO	R	0.08	0.08
Northern Bobwhite	<i>Colinus virginianus</i>	NOBO	R	0.08	0.08
Northern Cardinal	<i>Cardinalis cardinalis</i>	NOCA	R	1.42	0.79
Northern Mockingbird	<i>Mimus polyglottos</i>	NOMO	R	0.05	0.05
Northern Parula	<i>Parula americana</i>	NOPA	SR	0.42	0.34

Table 1. Table 1. Number of individuals encountered per plot visit, and proportion of plots out of 33 occupied by breeding

bird species at Wilson's Creek National Battlefield, Missouri 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
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>	NRWS	SR	0.03	0.03
Pileated Woodpecker*	<i>Dryocopus pileatus</i>	PIWO	R	--	--
Prothonotary Warbler	<i>Protonotaria citrea</i>	PROW	SR	0.03	0.03
Rose-breasted Grosbeak*	<i>Pheucticus ludovicianus</i>	RBGR	SR	--	--
Red-bellied Woodpecker	<i>Melanerpes carolinus</i>	RBWO	R	0.16	0.16
Red-eyed Vireo	<i>Vireo olivaceus</i>	REVI	SR	0.29	0.26
Red-tailed Hawk	<i>Buteo jamaicensis</i>	RTHA	R	0.05	0.05
Ruby-throated Hummingbird	<i>Archilochus colubris</i>	RTHU	SR	0.03	0.03
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	RWBL	R	0.08	0.08
Summer Tanager	<i>Piranga rubra</i>	SUTA	SR	0.24	0.18
Swainson's Thrush	<i>Limnothlypis swainsonii</i>	SWTH	M	--	--
Tree Swallow	<i>Tachycineta bicolor</i>	TRES	SR	0.03	0.03
Turkey Vulture	<i>Cathartes aura</i>	TUVU	R	0.05	0.05
White-breasted Nuthatch	<i>Sitta carolinensis</i>	WBNH	R	0.08	0.08
White-eyed Vireo	<i>Vireo griseus</i>	WEVI	SR	0.18	0.18
Wild Turkey	<i>Meleagris gallopavo</i>	WITU	R	0.18	0.11
Yellow-breasted Chat	<i>Icteria virens</i>	YBCH	SR	0.58	0.37
Yellow-billed Cuckoo	<i>Coccyzus americanus</i>	YBCU	SR	0.26	0.24

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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