



2013 Breeding Bird Survey Results for Wilson's Creek National Battlefield, Missouri

Surveys conducted by Dorthy J. Thurman, Myra Scroggs, and Ann Liles

A Heartland Network Monitoring Report



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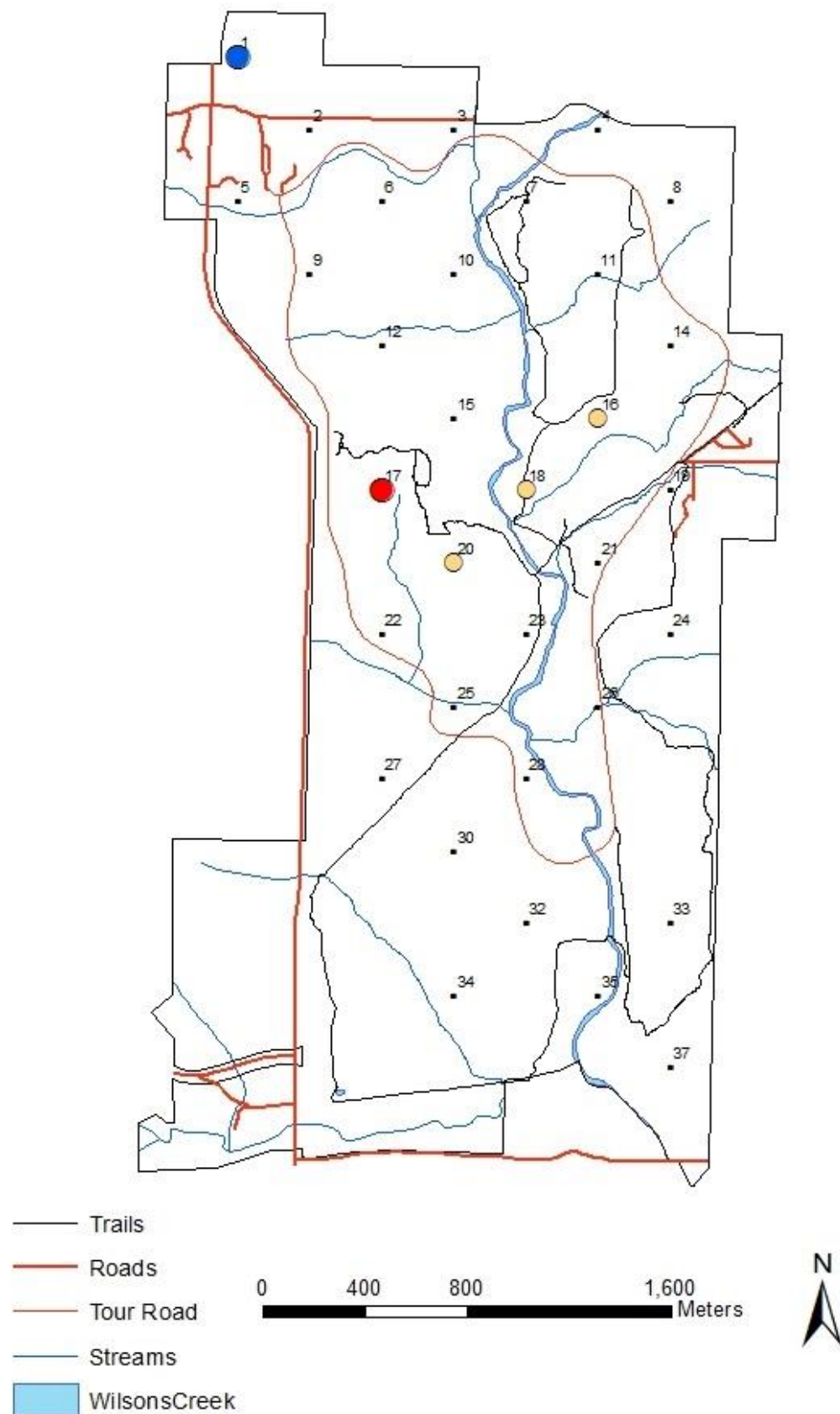


Figure 1. Areas of higher {gold (high) $\square$ red (higher)} and lower {light blue (low) $\square$ dark blue (lower)} than expected breeding bird species richness for plots on Wilson's Creek National Battlefield, Missouri in 2013.

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 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	0.18	0.15
American Crow	<i>Corvus brachyrhynchos</i>	AMCR	R	0.36	0.30
American Goldfinch	<i>Carduelis tristis</i>	AMGO	R	0.42	0.24
American Robin	<i>Turdus migratorius</i>	AMRO	R	0.09	0.09
Black-and-white Warbler	<i>Mniotilta varia</i>	BAWW	SR	0.03	0.03
Bell's Vireo*	<i>Vireo bellii</i>	BEVI	SR	--	--
Blue Jay	<i>Cyanocitta cristata</i>	BLJA	R	0.21	0.09
Blue-gray Gnatcatcher	<i>Poliophtila caerulea</i>	BGGN	SR	0.85	0.55
Blue-winged Warbler	<i>Vermivora pinus</i>	BWWA	SR	0.03	0.03
Broad-winged Hawk	<i>Buteo platypterus</i>	BWHA	SR	0.03	0.03
Brown-headed Cowbird	<i>Molothrus ater</i>	BHCO	R	0.36	0.24
Brown Thrasher	<i>Toxostoma rufum</i>	BRTH	R	0.03	0.03
Carolina Chickadee	<i>Poecile carolinensis</i>	CACH	R	0.18	0.15
Carolina Wren	<i>Thryothorus ludovicianus</i>	CARW	R	0.67	0.55
Chipping Sparrow	<i>Spizella passerine</i>	CHSP	SR	0.06	0.06
Chimney Swift	<i>Chaetura pelagica</i>	CHSW	SR	0.03	0.03
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>	CLSW	SR	0.18	0.09
Common Yellowthroat	<i>Geothlypis trichas</i>	COYE	SR	0.27	0.21
Dickcissel	<i>Spiza americana</i>	DICK	SR	1.21	0.24
Downy Woodpecker	<i>Picoides pubescens</i>	DOWO	R	0.09	0.09
Eastern Bluebird	<i>Sialia sialis</i>	EABL	R	0.33	0.21
Eastern Kingbird*	<i>Tyrannus tyrannus</i>	EAKI	SR	--	--
Eastern Meadowlark	<i>Sturnella magna</i>	EAME	R	0.12	0.09
Eastern Towhee	<i>Pipilo erythrophthalmus</i>	EATO	R	0.73	0.39
Eastern Wood-pewee	<i>Contopus virens</i>	EAWP	SR	0.27	0.27
(Eastern) Tufted Titmouse	<i>Baeolophus bicolor</i>	ETTI	R	0.94	0.70
European Starling	<i>Sturnus vulgaris</i>	EUST	R	0.03	0.03
Field Sparrow	<i>Spizella pusilla</i>	FISP	R	1.00	0.67
Great Blue Heron*	<i>Ardea herodias</i>	GBHE	R	--	--
Great Crested Flycatcher	<i>Myiarchus crinitus</i>	GCFL	SR	0.24	0.24
Grasshopper Sparrow	<i>Ammodramus savannarum</i>	GRSP	SR	0.03	0.03
Hairy Woodpecker	<i>Picoides villosus</i>	HAWO	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	0.79	0.58
Kentucky Warbler	<i>Oporornis formosus</i>	KEWA	SR	0.09	0.06
Lark Sparrow*	<i>Chondestes grammacus</i>	LASP	SR	--	--
Least Flycatcher*	<i>Empidonax minimus</i>	LEFL	T	--	--
Mourning Dove	<i>Zenaida macroura</i>	MODO	R	0.27	0.18
Northern Bobwhite*	<i>Colinus virginianus</i>	NOBO	R	--	--
Northern Cardinal	<i>Cardinalis cardinalis</i>	NOCA	R	1.24	0.79
Northern Mockingbird	<i>Mimus polyglottos</i>	NOMO	R	0.06	0.03
Northern Parula	<i>Parula americana</i>	NOPA	SR	0.27	0.21
Northern Waterthrush	<i>Seiurus noveboracensis</i>	NOWA	T	0.03	0.03
Olive-sided Flycatcher	<i>Contopus cooperi</i>	OSFL	T	0.03	0.03
Ovenbird*	<i>Seiurus aurocapilla</i>	OVEN	SR	--	--
Pileated Woodpecker	<i>Dryocopus pileatus</i>	PIWO	R	0.06	0.03
Red-bellied Woodpecker	<i>Melanerpes carolinus</i>	RBWO	R	0.73	0.61

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 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 (continued).

Common name	Species name	AOU code	Residency ¹	Individuals / plot visit	Proportion of plots occupied
Red-eyed Vireo	<i>Vireo olivaceus</i>	REVI	SR	0.18	0.15
Red-tailed Hawk	<i>Buteo jamaicensis</i>	RTHA	R	0.06	0.06
Ruby-throated Hummingbird	<i>Archilochus colubris</i>	RTHU	SR	0.12	0.12
Scissor-tailed Flycatcher	<i>Tyrannus forficatus</i>	STFL	SR	0.12	0.09
Summer Tanager	<i>Piranga rubra</i>	SUTA	SR	0.15	0.09
Turkey Vulture	<i>Cathartes aura</i>	TUVU	R	0.12	0.06
Unknown Swallow		UNSW		0.12	0.03
Warbling Vireo*	<i>Vireo gilvus</i>	WAVI	SR	--	--
White-breasted Nuthatch	<i>Sitta carolinensis</i>	WBNU	R	0.03	0.03
White-eyed Vireo	<i>Vireo griseus</i>	WEVI	SR	0.21	0.18
Wild Turkey	<i>Meleagris gallopavo</i>	WITU	R	0.12	0.12
Yellow-breasted Chat	<i>Icteria virens</i>	YBCH	SR	0.42	0.39
Yellow-billed Cuckoo	<i>Coccyzus americanus</i>	YBCU	SR	0.39	0.36
Yellow-throated Vireo	<i>Vireo flavifrons</i>	YTVI	SR	0.06	0.06

¹ Residency: R = year around resident; SR = summer resident; T = transient (Robbins, M. B. and D. A. Easterla. 1992. Birds of Missouri: their distribution and abundance. University of Missouri Press, Columbia).

* 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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