

effects of local and landscape factors on avian diversity, richness, and abundance. Akaike's Information Criterion, an information-theoretic approach, will then be used to identify the best candidate models (Burnham and Anderson 2002). Variance par-

tioning may also be used to compare the relative independent and total variation explained at local, patch, and landscape scales (Whittaker 1984).

### Conclusions

With only one year of observations, it is not yet clear how birds

are responding to restoration practices in Chicago's forest preserves. From some preliminary simple linear regression results (not presented here) it seems that while the invasive vegetation is negatively impacting some guilds of birds, it may actually be benefiting a few species. For example,

while shrub nesters were generally found in greater abundances in more invaded sites, there was a negative relationship with the number of bark foragers and the percentage of trees in a plot that are buckthorn. Understory species like the northern car-

## Northern Flicker was of intermediate abundance during a survey conducted at Chicago area forest preserves in 2010.

Photo by Emil Martinec.

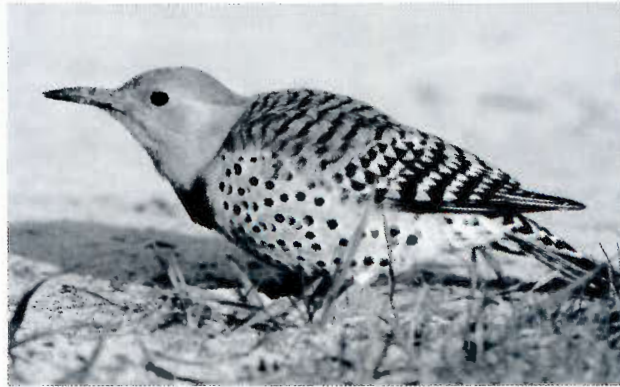


Table 1. Total species and abundance list for the bird surveys conducted in 2010.

Species	AOU Code	Total abundance	Species	AOU Code	Total abundance
American Robin	AMRO	298	Scarlet Tanager	SCTA	5
Blue Jay	BLJA	186	Yellow-throated Vireo	YTVI	4
Eastern Wood-Pewee	EAWP	159	Yellow-bellied Sapsucker	YBSA	3
Northern Cardinal	NOCA	148	Warbling Vireo	WAVI	3
Red-eyed Vireo	REVI	131	Tufted Titmouse	TUTI	3
Indigo Bunting	INBU	117	Chipping Sparrow	CHSP	3
Black-capped Chickadee	BCCH	111	Hooded Warbler	HOWA	3
Red-winged Blackbird	RWBL	91	Common Grackle	COGR	3
White-breasted Nuthatch	WBNU	81	Acadian Flycatcher	ACFL	3
Great-crested Flycatcher	GCFL	80	Least Flycatcher	LEFL	2
Red-bellied Woodpecker	RBWO	77	Eastern Phoebe	EAPH	2
Downy Woodpecker	DOWO	59	American Redstart	AMRE	2
House Wren	HOWR	48	Kentucky Warbler	KEWA	2
Blue-gray Gnatcatcher	BGGN	44	American Woodcock	AMWO	2
Eastern Towhee	EATO	39	Eastern Meadowlark	EAME	2
Gray Catbird	GRCA	37	American Goldfinch	AMGO	1
Brown-headed Cowbird	BHCO	34	Prothonotary Warbler	PROW	1
Common Yellowthroat	COYE	32	Black-and-white Warbler	BAWW	1
Northern Flicker	NOFL	22	Yellow-breasted Chat	YBCH	1
American Crow	AMCR	21	Swamp Sparrow	SWSP	1
Field Sparrow	FISP	20	Red-headed Woodpecker	RHWO	1
Cedar Waxwing	CEDW	17	Carolina Wren	CARW	1
Hairy Woodpecker	HAWO	16	Cerulean Warbler	CERW	1
Wood Thrush	WOTH	12	European Starling	EUST	1
Yellow Warbler	YWAR	10	Savannah Sparrow	SAVS	1
Rose-breasted Grosbeak	RBGR	8	Ovenbird	OVEN	1
Baltimore Oriole	BAOR	7	Eastern Kingbird	EAKI	1
Song Sparrow	SOSP	6	Willow Flycatcher	WIFL	1
Mourning Dove	MODO	6			