

BIRDS FOUND AT THE BIRDS WITHOUT BORDERS – AVES SIN FRONTERAS® WISCONSIN STUDY SITES

Birds Without Borders – *Aves Sin Fronteras*® studied birds from 1997 through 2001 at three sites in Wisconsin. They were:

1. The Pewaukee study site (Pewaukee) is located in Waukesha County in southeastern Wisconsin (43° 05' N, 088° 18' W). It consisted of 121 acres of privately owned upland oak forest and a forest-wetland transition area. It also included a wetland owned and managed by the Lake Pewaukee Sanitary District as part of their wetland conservancy program.
2. The Rosendale study site (Rosendale) is located in Fond du Lac County in central Wisconsin (43° 51' 39" N, 088° 41' 52" W). It consisted of about 3,000 acres of privately owned lands. Approximately 1,700 acres of the study area were grassland, wetland and forest habitat.
3. The Land O' Lakes study site (Land O' Lakes) is located in Vilas County in far northern Wisconsin (46° 10' 09" N, 089° 23' 14" W). It consisted of 260 acres of privately owned coniferous bog forest, regenerating clear-cut areas and selectively logged upland hardwood forest.



Pewaukee Study Site Birds

Research conducted at the Pewaukee study site included bird banding during spring and fall migration and the breeding season; censusing; point counts; nest searching and monitoring; and vegetation measurements.

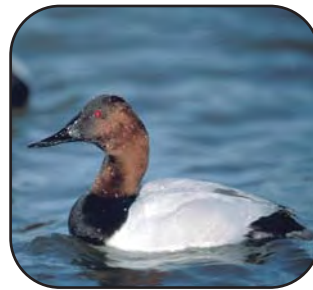
Evening surveys for secretive marsh birds also were conducted in the Coco Creek area, a 75-acre wetland located about one mile north of the main Pewaukee study site.

Coco Creek is owned and managed by the Lake Pewaukee Sanitary District as part of their wetland conservancy program. For the evening surveys we followed methods developed by scientists studying marsh birds (Marsh Monitoring Program, LPBO and EC 1997).

We detected a total of 152 species of birds at the Pewaukee study site (the main site and Coco Creek), including 38 Neotropical migrants, 22 short-distance migrants, and 16 residents. Eleven species found at Pewaukee have populations that are both residents and short-distance migrants; 65 species have populations that are both short-distance and Neotropical migrants. The 152 species of birds documented at the Pewaukee study site represent about 44% of the species likely to be seen in Wisconsin (Mueller 2008).

Pictured here and on the next page are some of the bird species that were found at the Pewaukee study site:

USFWS/EUGENE HESTER



Canvasback

RICHARD BRODZELLER



Wild Turkey

JACK BARTHOLMAI



Red-tailed Hawk

USFWS/DONNA DEWHURST



Herring Gull

JACK BARTHOLMAI



Ruby-throated Hummingbird

USFWS/DAVE MENKE



Red-headed Woodpecker

RICHARD BRODZELLER



Eastern Phoebe

RICHARD BRODZELLER



Blue Jay

VICKI PIASKOWSKI



Yellow Warbler

JACK BARTHOLMAI



Yellow-rumped Warbler

STOCK PHOTOGRAPHY



American Crow

USFWS/DONNA DEWHURST



Black-capped Chickadee

BWB-ASF STAFF



Common Yellowthroat

USFWS/STEVE MASLOWSKI



Scarlet Tanager

USFWS/DONNA DEWHURST



Golden-crowned Kinglet

USFWS/DAVE MENKE



Hermit Thrush

USFWS/LEE KARNEY



Song Sparrow

HEATHER NELDNER



Rose-breasted Grosbeak

RICHARD BRODZELLER



Baltimore Oriole

BWB-ASF STAFF



Gray Catbird

STOCK PHOTOGRAPHY



Northern Cardinal

USFWS/LEE KARNEY



American Goldfinch

USFWS/LEE KARNEY



European Starling

BWB-ASF STAFF



Tennessee Warbler

USFWS/DONNA DEWHURST



Red-winged Blackbird

JACK BARTHOLMAI



Brown-headed Cowbird

Rosendale Study Site Birds

Research conducted at the Rosendale study site included bird banding during the breeding season, censusing during spring migration, point counts, nest searching and monitoring, and vegetation measurements. Evening surveys for secretive marsh birds also were conducted in collaboration with the Marsh Monitoring Program. This program uses methods developed by scientists studying marsh birds (Marsh Monitoring Program, LPBO and EC 1997). All research at the site ended yearly by mid-August so that the landowners could utilize their land for hunting.

We detected a total of 163 species of birds at the Rosendale study site, including 35 Neotropical migrants, 27 short-distance migrants, and 16 residents. Thirteen species found at Rosendale have populations that are both residents and short-distance migrants; 72 species have populations that are both short-distance and Neotropical migrants. The 163 species of birds documented at the Rosendale study site represent about 48% of the species likely to be seen in Wisconsin (Mueller 2008).

Pictured here and on the next page are some of the bird species that were found at the Rosendale study site:

USFWS/DONNA DEWHURST



Common Merganser

USFWS/JOHN & KAREN HOLLINGSWORTH



Ruddy Duck

USFWS/GARY KRAMER



American Bittern

JACK BARTHOLMAI



Ring-necked Pheasant

USFWS/GARY KRAMER



Great Blue Heron

USFWS/LEE KARNEY



Great Egret

USFWS/LEE KARNEY



American Wigeon

USFWS/GENE NIEMINEN



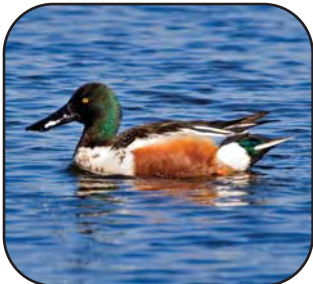
American Black Duck

USFWS/DAVE MENKE



American Kestrel

USFWS/DONNA DEWHURST



Northern Shoveler

USFWS/JOHN & KAREN HOLLINGSWORTH



Northern Pintail

USFWS/GARY KRAMER



Spotted Sandpiper

USFWS/GARY KRAMER



Wilson's Snipe

USFWS/C. SCHLAW



Belted Kingfisher

USFWS/DAVE MENKE



Northern Flicker

JACK BARTHOLMAI



Sora

USFWS/GARY KRAMER



American Coot

JACK BARTHOLMAI



Tree Swallow

USFWS/DAVE MENKE



Eastern Bluebird

USFWS/STEVE MASLOWSKI



Bobolink

JACK BARTHOLMAI



Eastern Meadowlark

USFWS/STEVE MASLOWSKI



American Redstart

USFWS/DAVE MENKE



Savannah Sparrow

USFWS/DONNA DEWHURST



Red-winged Blackbird

USFWS/JAMES LEUPOLD



Yellow-headed Blackbird

JACK BARTHOLMAI



Swamp Sparrow

HEATHER NELDNER



Rose-breasted Grosbeak

JACK BARTHOLMAI



Common Grackle

Land O' Lakes Study Site Birds

Research conducted at the Land O' Lakes study site included bird banding during spring and fall migration, censusing, point counts, spot mapping, nest searching and monitoring, and vegetation measurements.

We detected a total of 146 species of birds at the Land O' Lakes study site, including 32 Neotropical migrants, 32 short-distance migrants, and 18 residents. Eleven species found at Land O' Lakes have populations that are both residents and short-distance migrants; 53 species have populations that are both short-distance and Neotropical migrants. The 146 species of birds documented at the Land O' Lakes study site represent about 44% percent of the species likely to be seen in Wisconsin (Mueller 2008).

Pictured here and on the next page are some of the bird species that were found at the Land O' Lakes study site:

©B.K. WHEELER/VIREO



Broad-winged Hawk

USFWS/GARY KRAMER



Killdeer

USFWS/NATIONAL WILDLIFE FEDERATION



Common Loon

JANE HARTWIG



Northern Saw-whet Owl

USFWS/DAVE MENKE



Wood Duck

USFWS/TIM MCCABE



Hooded Merganser

©R. CURTIS/VIREO



Chimney Swift

JACK BARTHOLMAI



Yellow-bellied Sapsucker

USFWS/DAVE MENKE



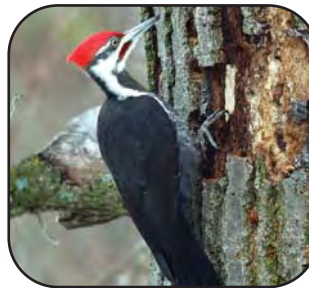
Red-breasted Merganser

©F. TRUSLOW/VIREO



Ruffed Grouse

JACK BARTHOLMAI



Pileated Woodpecker

BWB-ASF STAFF



Blue-headed Vireo

USFWS/LEE KARNEY



Pied-billed Grebe

USFWS/STEVE HILLEBRAND



Bald Eagle

BWB-ASF STAFF



Gray Jay

©J. CULBERTSON/VIREO



Common Raven

USFWS/DONNA DEWHURST



Black-capped Chickadee

USFWS/DAVE MENKE



Red-breasted Nuthatch

RICHARD BRODZELLER



Mourning Warbler

USFWS/DAVE MENKE



Chipping Sparrow

USFWS/DONNA DEWHURST



Winter Wren

JACK BARTHOLMAI



Swainson's Thrush

JACK BARTHOLMAI



Lincoln's Sparrow

STOCK PHOTOGRAPHY



Dark-eyed Junco

BWB-ASF STAFF



Black-throated Green Warbler

VICKI PIASKOWSKI



Northern Waterthrush

USFWS/DAVE MENKE



Indigo Bunting

USFWS/DAVE MENKE



Evening Grosbeak

SPECIES OF BIRDS FOUND AT EACH STUDY SITE

Pewaukee study site: 152 species

Rosendale study site: 163 species

Land O' Lakes study site: 146 species

BIRD SPECIES FOUND AT THE BWB-ASF WISCONSIN STUDY SITES

(superscript descriptions appear below and at the end of the table)

^A Wisconsin status: See page 20 for explanation of status categories and abbreviations. Based on AOU 1998-2007 and Mueller 2008.

^B Breeds in Wisconsin: Based on Cutright et al. 2006.

Explanation of superscripts after bird species names (please see page 38 for more detailed information on species of conservation concern):

1: This species is a U.S. Fish and Wildlife Service (USFWS) Bird of Conservation Concern (National list) (USFWS 2002).

2: This species is a Wisconsin All-Bird Plan Priority species (WBCI 2007)

3: This species is a Wisconsin Department of Natural Resources (WI DNR) Wildlife Action Plan Species of Greatest Conservation Need (WI DNR 2006)

4: This species is a Watch List Species of Continental Importance in the Partners in Flight (PIF) North American Landbird Conservation Plan (Rich et al. 2004).

5: This species is a Stewardship Species in the Pewaukee and Rosendale areas (Bird Conservation Region 23) in the PIF North American Landbird Conservation Plan (Rich et al. 2004).

6: This species is a Stewardship Species in the Land O' Lakes area (Bird Conservation Region 12) in the PIF North American Landbird Conservation Plan (Rich et al. 2004).

7: This species is considered to be at High or Moderate Risk in the North American Waterbird Conservation Plan (Kushlan et al. 2002, 2006).

8: This species is considered to be at High or Moderate Risk in the U.S. Shorebird Conservation Plan (2001).

BIRD SPECIES	WISCONSIN STATUS ^A	BREEDS IN WISCONSIN ^B ?	PEWAUKEE	ROSENDALE	LAND O' LAKES
Canada Goose (<i>Branta canadensis</i>) ²	R/S	Yes	X	X	X
Tundra Swan (<i>Cygnus columbianus</i>) ²	S	No		X	
Wood Duck (<i>Aix sponsa</i>)	S	Yes	X	X	X
Gadwall (<i>Anas strepera</i>)	S	Yes		X	X
American Wigeon (<i>Anas americana</i>)	S/N	Yes	X	X	
American Black Duck (<i>Anas rubripes</i>) ^{2,3}	R/S	Yes		X	X
Mallard (<i>Anas platyrhynchos</i>) ²	R/S	Yes	X	X	X
Blue-winged Teal (<i>Anas discors</i>) ^{2,3}	S/N	Yes	X	X	X
Northern Shoveler (<i>Anas clypeata</i>)	S/N	Yes	X	X	
Northern Pintail (<i>Anas acuta</i>) ²	S/N	Yes	X	X	
Green-winged Teal (<i>Anas crecca</i>)	S/N	Yes	X	X	
Canvasback (<i>Aythya valisineria</i>) ^{2,3}	S/N	No	X	X	
Redhead (<i>Aythya americana</i>) ^{2,3}	S/N	Yes	X	X	X
Ring-necked Duck (<i>Aythya collaris</i>)	S/N	Yes		X	
Greater Scaup (<i>Aythya marila</i>)	S	No	X		
Bufflehead (<i>Bucephala albeola</i>)	S	No	X		X
Hooded Merganser (<i>Lophodytes cucullatus</i>) ²	S	Yes			X
Common Merganser (<i>Mergus merganser</i>)	S	Yes	X	X	X
Red-breasted Merganser (<i>Mergus serrator</i>)	S	Yes	X		X
Ruddy Duck (<i>Oxyura jamaicensis</i>)	S/N	Yes	X	X	
Ring-necked Pheasant (<i>Phasianus colchicus</i>)	R	Yes		X	
Ruffed Grouse (<i>Bonasa umbellus</i>) ²	R	Yes			X
Spruce Grouse (<i>Falcapennis canadensis</i>) ^{2,3,6}	R	Yes			X
Wild Turkey (<i>Meleagris gallopavo</i>)	R	Yes	X	X	
Common Loon (<i>Gavia immer</i>) ⁷	S	Yes	X	X	X
Pied-billed Grebe (<i>Podilymbus podiceps</i>) ⁷	S/N	Yes	X	X	X
Double-crested Cormorant (<i>Phalacrocorax auritus</i>)	S/N	Yes	X	X	X
American Bittern (<i>Botaurus lentiginosus</i>) ^{2,3,7}	S/N	Yes	X	X	X
Least Bittern (<i>Ixobrychus exilis</i>) ⁷	S/N	Yes		X	
Great Blue Heron (<i>Ardea herodias</i>)	S/N	Yes	X	X	X
Great Egret (<i>Ardea alba</i>) ^{2,3}	S/N	Yes	X	X	
Green Heron (<i>Butorides virescens</i>)	S/N	Yes	X	X	
Black-crowned Night-Heron (<i>Nycticorax nycticorax</i>) ⁷	S/N	Yes	X	X	
Turkey Vulture (<i>Cathartes aura</i>)	S/N	Yes	X	X	X
Osprey (<i>Pandion haliaetus</i>) ^{2,3}	S/N	Yes	X		X
Bald Eagle (<i>Haliaeetus leucocephalus</i>) ^{2,3}	S	Yes	X		X
Northern Harrier (<i>Circus cyaneus</i>) ^{1,2,3}	S/N	Yes		X	X
Sharp-shinned Hawk (<i>Accipiter striatus</i>)	S/N	Yes	X	X	X
Cooper's Hawk (<i>Accipiter cooperii</i>)	S/N	Yes	X	X	X
Northern Goshawk (<i>Accipiter gentilis</i>) ^{2,3}	S	Yes			X

BIRD SPECIES	WISCONSIN STATUS ^A	BREEDS IN WISCONSIN ^{B?}	PEWAUKEE	ROSENDALE	LAND O' LAKES
Red-shouldered Hawk (<i>Buteo lineatus</i>) ^{2,3}	S	Yes			X
Broad-winged Hawk (<i>Buteo platypterus</i>) ²	S/N	Yes	X	X	X
Red-tailed Hawk (<i>Buteo jamaicensis</i>)	R/S	Yes	X	X	X
American Kestrel (<i>Falco sparverius</i>)	S/N	Yes		X	X
Virginia Rail (<i>Rallus limicola</i>) ⁷	S/N	Yes	X	X	
Sora (<i>Porzana carolina</i>) ⁷	S/N	Yes	X	X	X
Common Moorhen (<i>Gallinula chloropus</i>) ⁷	S	Yes		X	
American Coot (<i>Fulica americana</i>)	S/N	Yes	X	X	X
Sandhill Crane (<i>Grus canadensis</i>)	S/N	Yes	X	X	X
Semipalmated Plover (<i>Charadrius semipalmatus</i>)	S/N	No		X	
Killdeer (<i>Charadrius vociferus</i>) ⁸	S/N	Yes	X	X	X
Spotted Sandpiper (<i>Actitis macularius</i>)	S/N	Yes	X	X	X
Solitary Sandpiper (<i>Tringa solitaria</i>) ^{1,2,3,8}	S/N	No	X	X	X
Greater Yellowlegs (<i>Tringa melanoleuca</i>) ^{2,8}	S/N	No		X	
Lesser Yellowlegs (<i>Tringa flavipes</i>) ⁸	S/N	No		X	
Upland Sandpiper (<i>Bartramia longicauda</i>) ^{1,2,3,8}	N	Yes		X	
Least Sandpiper (<i>Calidris minutilla</i>) ⁸	S/N	No		X	
Dunlin (<i>Calidris alpina</i>) ^{2,3,8}	S/N	No		X	
Wilson's Snipe (formerly Common Snipe; <i>Gallinago delicata</i>) ⁸	S/N	Yes		X	X
American Woodcock (<i>Scolopax minor</i>) ^{2,3,8}	S	Yes		X	X
Franklin's Gull (<i>Larus pipixcan</i>) ⁷	N	No		X	
Bonaparte's Gull (<i>Larus philadelphia</i>) ⁷	S/N	No	X	X	
Ring-billed Gull (<i>Larus delawarensis</i>)	R/S	Yes	X	X	X
Herring Gull (<i>Larus argentatus</i>)	R/S	Yes	X	X	
Caspian Tern (<i>Hydroprogne caspia</i>) ^{2,3}	S/N	Yes	X		
Black Tern (<i>Chlidonias niger</i>) ^{2,3,7}	N	Yes		X	
Common Tern (<i>Sterna hirundo</i>) ^{1,2,3}	S/N	Yes		X	
Forster's Tern (<i>Sterna forsteri</i>) ^{2,3,7}	S/N	Yes	X	X	
Rock Pigeon (<i>Columba livia</i>)	R	Yes	X	X	X
Mourning Dove (<i>Zenaida macroura</i>)	R	Yes	X	X	X
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>) ^{1,2,3}	N	Yes	X		X
Black-billed Cuckoo (<i>Coccyzus erythrophthalmus</i>) ^{1,2,3}	N	Yes	X	X	X
Eastern Screech-Owl (<i>Megascops asio</i>)	R	Yes	X		
Great Horned Owl (<i>Bubo virginianus</i>)	R	Yes	X	X	X
Barred Owl (<i>Strix varia</i>)	R	Yes		X	X
Northern Saw-whet Owl (<i>Aegolius acadicus</i>)	S	Yes			X
Common Nighthawk (<i>Chordeiles minor</i>)	N	Yes	X		X
Whip-poor-will (<i>Caprimulgus vociferus</i>) ^{1,2,3}	S/N	Yes			X
Chimney Swift (<i>Chaetura pelagica</i>) ²	N	Yes	X	X	X
Ruby-throated Hummingbird (<i>Archilochus colubris</i>)	S/N	Yes	X	X	X
Belted Kingfisher (<i>Megaceryle alcyon</i>) ²	S/N	Yes	X	X	X
Red-headed Woodpecker (<i>Melanerpes erythrocephalus</i>) ^{1,2,3,4}	R	Yes	X		
Red-bellied Woodpecker (<i>Melanerpes carolinus</i>)	R	Yes	X	X	
Yellow-bellied Sapsucker (<i>Sphyrapicus varius</i>) ^{2,6}	S/N	Yes	X	X	X
Downy Woodpecker (<i>Picoides pubescens</i>)	R	Yes	X	X	X
Hairy Woodpecker (<i>Picoides villosus</i>)	R	Yes	X	X	X
Black-backed Woodpecker (<i>Picoides arcticus</i>) ^{2,3,6}	R	Yes			X
Northern Flicker (<i>Colaptes auratus</i>) ²	R/S	Yes	X	X	X
Pileated Woodpecker (<i>Dryocopus pileatus</i>)	R	Yes			X
Olive-sided Flycatcher (<i>Contopus cooperi</i>) ^{1,2,3,4}	N	Yes			X
Eastern Wood-Pewee (<i>Contopus virens</i>)	N	Yes	X	X	X
Yellow-bellied Flycatcher (<i>Empidonax flaviventris</i>) ⁶	N	Yes	X		X
Acadian Flycatcher (<i>Empidonax virescens</i>) ^{2,3}	N	Yes	X		

BIRD SPECIES	WISCONSIN STATUS ^A	BREEDS IN WISCONSIN ^{B?}	PEWAUKEE	ROSENDALE	LAND O' LAKES
Alder Flycatcher (<i>Empidonax alnorum</i>) ⁶	N	Yes	X	X	X
Willow Flycatcher (<i>Empidonax traillii</i>) ^{2,3,4}	N	Yes	X	X	
Least Flycatcher (<i>Empidonax minimus</i>) ^{2,3}	N	Yes	X	X	X
Eastern Phoebe (<i>Sayornis phoebe</i>)	S/N	Yes	X	X	X
Great Crested Flycatcher (<i>Myiarchus crinitus</i>)	S/N	Yes	X	X	X
Eastern Kingbird (<i>Tyrannus tyrannus</i>)	N	Yes	X	X	X
Bell's Vireo (<i>Vireo bellii</i>) ^{1,2,3,4}	S/N	Yes	X		
Yellow-throated Vireo (<i>Vireo flavifrons</i>) ²	S/N	Yes	X	X	X
Blue-headed Vireo (<i>Vireo solitarius</i>) ⁶	S/N	Yes	X		X
Warbling Vireo (<i>Vireo gilvus</i>) ²	S/N	Yes	X	X	
Philadelphia Vireo (<i>Vireo philadelphicus</i>) ⁶	N	Rarely	X	X	X
Red-eyed Vireo (<i>Vireo olivaceus</i>)	N	Yes	X	X	X
Gray Jay (<i>Perisoreus canadensis</i>) ⁶	R	Yes			X
Blue Jay (<i>Cyanocitta cristata</i>)	R/S	Yes	X	X	X
American Crow (<i>Corvus brachyrhynchos</i>)	R	Yes	X	X	X
Common Raven (<i>Corvus corax</i>)	R	Yes			X
Horned Lark (<i>Eremophila alpestris</i>)	R/S	Yes		X	
Purple Martin (<i>Progne subis</i>)	N	Yes	X	X	X
Tree Swallow (<i>Tachycineta bicolor</i>)	S/N	Yes	X	X	X
Northern Rough-winged Swallow (<i>Stelgidopteryx serripennis</i>) ²	S/N	Yes	X	X	
Barn Swallow (<i>Hirundo rustica</i>) ²	N	Yes	X	X	X
Black-capped Chickadee (<i>Poecile atricapillus</i>)	R	Yes	X	X	X
Tufted Titmouse (<i>Baeolophus bicolor</i>)	R	Yes	X		
Red-breasted Nuthatch (<i>Sitta canadensis</i>)	R/S	Yes	X	X	X
White-breasted Nuthatch (<i>Sitta carolinensis</i>)	R	Yes	X	X	X
Brown Creeper (<i>Certhia americana</i>)	S	Yes	X	X	X
House Wren (<i>Troglodytes aedon</i>)	S/N	Yes	X	X	X
Winter Wren (<i>Troglodytes troglodytes</i>)	S	Yes	X	X	X
Sedge Wren (<i>Cistothorus platensis</i>) ^{1,2}	S	Yes		X	
Marsh Wren (<i>Cistothorus palustris</i>) ²	S	Yes		X	X
Golden-crowned Kinglet (<i>Regulus satrapa</i>)	S	Yes	X	X	X
Ruby-crowned Kinglet (<i>Regulus calendula</i>)	S/N	Yes	X	X	X
Blue-gray Gnatcatcher (<i>Poliophtila caerulea</i>)	S/N	Yes	X	X	
Eastern Bluebird (<i>Sialia sialis</i>)	S	Yes		X	
Veery (<i>Catharus fuscescens</i>) ^{2,3}	N	Yes	X	X	X
Gray-cheeked Thrush (<i>Catharus minimus</i>)	N	No	X	X	X
Swainson's Thrush (<i>Catharus ustulatus</i>)	N	Yes	X	X	X
Hermit Thrush (<i>Catharus guttatus</i>)	S/N	Yes	X	X	X
Wood Thrush (<i>Hylocichla mustelina</i>) ^{1,2,3,4}	S/N	Yes	X	X	X
American Robin (<i>Turdus migratorius</i>)	R/S	Yes	X	X	X
Gray Catbird (<i>Dumetella carolinensis</i>)	S/N	Yes	X	X	X
Brown Thrasher (<i>Toxostoma rufum</i>) ^{2,3}	S	Yes	X	X	X
European Starling (<i>Sturnus vulgaris</i>)	R	Yes	X	X	X
Cedar Waxwing (<i>Bombycilla cedrorum</i>)	S/N	Yes	X	X	X
Blue-winged Warbler (<i>Vermivora pinus</i>) ^{2,3,4}	N	Yes	X	X	
Golden-winged Warbler (<i>Vermivora chrysoptera</i>) ^{1,2,3,4}	N	Yes	X	X	
Tennessee Warbler (<i>Vermivora peregrina</i>) ⁶	N	Yes	X	X	X
Orange-crowned Warbler (<i>Vermivora celata</i>)	S/N	No	X		X
Nashville Warbler (<i>Vermivora ruficapilla</i>) ^{2,6}	S/N	Yes	X	X	X
Northern Parula (<i>Parula americana</i>)	S/N	Yes	X		X
Yellow Warbler (<i>Dendroica petechia</i>)	N	Yes	X	X	X
Chestnut-sided Warbler (<i>Dendroica pensylvanica</i>) ^{2,6}	N	Yes	X	X	X
Magnolia Warbler (<i>Dendroica magnolia</i>) ⁶	N	Yes	X	X	X

BIRD SPECIES	WISCONSIN STATUS ^A	BREEDS IN WISCONSIN ^{B?}	PEWAUKEE	ROSENDALE	LAND O' LAKES
Cape May Warbler (<i>Dendroica tigrina</i>) ⁶	N	Yes	X	X	X
Black-throated Blue Warbler (<i>Dendroica caerulescens</i>) ^{2,3}	N	Yes	X	X	X
Yellow-rumped Warbler (<i>Dendroica coronata</i>)	S/N	Yes	X	X	X
Black-throated Green Warbler (<i>Dendroica virens</i>) ^{2,6}	S/N	Yes	X	X	X
Blackburnian Warbler (<i>Dendroica fusca</i>) ^{2,6}	N	Yes	X	X	X
Pine Warbler (<i>Dendroica pinus</i>)	S/N	Yes			X
Palm Warbler (<i>Dendroica palmarum</i>) ⁶	S/N	Yes	X	X	X
Bay-breasted Warbler (<i>Dendroica castanea</i>) ^{4,6}	N	No	X	X	X
Blackpoll Warbler (<i>Dendroica striata</i>)	N	No	X	X	X
Black-and-white Warbler (<i>Mniotilta varia</i>)	S/N	Yes	X	X	X
American Redstart (<i>Setophaga ruticilla</i>)	S/N	Yes	X	X	X
Ovenbird (<i>Seiurus aurocapilla</i>)	N	Yes	X	X	X
Northern Waterthrush (<i>Seiurus noveboracensis</i>)	S/N	Yes	X	X	X
Connecticut Warbler (<i>Oporornis agilis</i>) ^{2,3,6}	N	Yes	X		
Mourning Warbler (<i>Oporornis philadelphia</i>) ^{2,6}	N	Yes	X	X	X
MacGillivray's Warbler (<i>Oporornis tolmiei</i>) (1 record)	S/N	No	X		
Common Yellowthroat (<i>Geothlypis trichas</i>) ²	S/N	Yes	X	X	X
Hooded Warbler (<i>Wilsonia citrina</i>) ^{2,3}	N	Yes	X		
Wilson's Warbler (<i>Wilsonia pusilla</i>)	S/N	No	X	X	X
Canada Warbler (<i>Wilsonia canadensis</i>) ^{1,2,3,4,6}	N	Yes	X	X	X
Scarlet Tanager (<i>Piranga olivacea</i>)	N	Yes	X	X	X
Eastern Towhee (<i>Dipilo erythrophthalmus</i>)	S	Yes	X	X	X
American Tree Sparrow (<i>Spizella arborea</i>) ⁵	S	No		X	X
Chipping Sparrow (<i>Spizella passerina</i>)	S	Yes	X	X	X
Clay-colored Sparrow (<i>Spizella pallida</i>) ²	S/N	Yes		X	X
Field Sparrow (<i>Spizella pusilla</i>) ^{2,3}	S	Yes	X	X	X
Vesper Sparrow (<i>Pooecetes gramineus</i>) ^{2,3}	S/N	Yes		X	
Savannah Sparrow (<i>Passerculus sandwichensis</i>)	S/N	Yes		X	X
Henslow's Sparrow (<i>Ammodramus henslowii</i>) ^{1,2,3,4}	S	Yes		X	
Fox Sparrow (<i>Passerella iliaca</i>)	S	No	X		X
Song Sparrow (<i>Melospiza melodia</i>)	S	Yes	X	X	X
Lincoln's Sparrow (<i>Melospiza lincolni</i>) ⁶	S/N	Yes	X	X	X
Swamp Sparrow (<i>Melospiza georgiana</i>) ^{2,6}	S/N	Yes	X	X	X
White-throated Sparrow (<i>Zonotrichia albicollis</i>) ^{2,6}	S	Yes	X	X	X
White-crowned Sparrow (<i>Zonotrichia leucophrys</i>)	S/N	No	X	X	X
Dark-eyed Junco (<i>Junco hyemalis</i>)	S	Yes	X	X	X
Northern Cardinal (<i>Cardinalis cardinalis</i>)	R	Yes	X	X	X
Rose-breasted Grosbeak (<i>Pheucticus ludovicianus</i>) ²	N	Yes	X	X	X
Indigo Bunting (<i>Passerina cyanea</i>)	N	Yes	X	X	X
Bobolink (<i>Dolichonyx oryzivorus</i>) ^{2,3}	N	Yes	X	X	
Red-winged Blackbird (<i>Agelaius phoeniceus</i>)	S	Yes	X	X	X
Eastern Meadowlark (<i>Sturnella magna</i>) ^{2,3}	S	Yes		X	
Yellow-headed Blackbird (<i>Xanthocephalus xanthocephalus</i>) ²	S/N	Yes		X	
Rusty Blackbird (<i>Euphagus carolinus</i>) ^{2,3,4}	S	Rarely		X	
Brewer's Blackbird (<i>Euphagus cyanocephalus</i>)	S/N	Yes	X		
Common Grackle (<i>Quiscalus quiscula</i>)	S	Yes	X	X	X
Brown-headed Cowbird (<i>Molothrus ater</i>)	S	Yes	X	X	X
Baltimore Oriole (<i>Icterus galbula</i>)	S/N	Yes	X	X	X
Purple Finch (<i>Carpodacus purpureus</i>) ²	R/S	Yes	X	X	X
House Finch (<i>Carpodacus mexicanus</i>)	R	Yes	X	X	X
Red Crossbill (<i>Loxia curvirostra</i>) ^{2,3}	S	Yes			X
White-winged Crossbill (<i>Loxia leucoptera</i>) ⁶	S	Yes			X
Pine Siskin (<i>Carduelis pinus</i>)	S	Yes	X		X

BIRD SPECIES

	WISCONSIN STATUS ^A	BREEDS IN WISCONSIN ^B ?	PEWAUKEE	ROSENDALE	LAND O' LAKES
American Goldfinch (<i>Carduelis tristis</i>)	R/S	Yes	X	X	X
Evening Grosbeak (<i>Coccothraustes vespertinus</i>)	S	Yes			X
House Sparrow (<i>Passer domesticus</i>)	R	Yes		X	

^A Wisconsin status: See page 20 for explanation of status categories and abbreviations. Based on AOU 1998-2007 and Mueller 2008.

^B Breeds in Wisconsin: Based on Cutright et al. 2006.

Explanation of superscripts after bird species names (please see page 38 for more detailed information on species of conservation concern):

- 1: This species is a U.S. Fish and Wildlife Service (USFWS) Bird of Conservation Concern (National list) (USFWS 2002).
- 2: This species is a Wisconsin All-Bird Plan Priority species (WBCI 2007)
- 3: This species is a Wisconsin Department of Natural Resources (WI DNR) Wildlife Action Plan Species of Greatest Conservation Need (WI DNR 2006)
- 4: This species is a Watch List Species of Continental Importance in the Partners in Flight (PIF) North American Landbird Conservation Plan (Rich et al. 2004).
- 5: This species is a Stewardship Species in the Pewaukee and Rosendale areas (Bird Conservation Region 23) in the PIF North American Landbird Conservation Plan (Rich et al. 2004).
- 6: This species is a Stewardship Species in the Land O' Lakes area (Bird Conservation Region 12) in the PIF North American Landbird Conservation Plan (Rich et al. 2004).
- 7: This species is considered to be at High or Moderate Risk in the North American Waterbird Conservation Plan (Kushlan et al. 2002, 2006).
- 8: This species is considered to be at High or Moderate Risk in the U.S. Shorebird Conservation Plan (2001).

PEWAUKEE STUDY SITE RESEARCH

Birds Without Borders – *Aves Sin Fronteras*[®] research conducted at the Pewaukee (Wisconsin) study site is described in the next dozen pages, and you can find more detailed results in Appendix 7. Our research included bird banding during spring and fall migration and the breeding season; censusing; point counts; nest searching and monitoring; and vegetation measurements. Evening surveys for secretive marsh birds also were conducted in the Coco Creek area (a 75-acre wetland located about one mile north of the main Pewaukee study site) following the protocol of the Marsh Monitoring Program (LPBO and EC 1997).

We detected a total of 152 species of birds at the Pewaukee study site, including 38 Neotropical migrants, 22 short-distance migrants, and 16 residents. Eleven species found at Pewaukee have populations that are both residents and short-distance migrants; 65 species have populations that are both short-distance and Neotropical migrants. The 152 species of birds documented at the Pewaukee study site represent about 44% of the species likely to be seen in Wisconsin (Mueller 2008). For the complete list of bird species detected at the Pewaukee study site please see pages 45-49. For a land-use map of the Pewaukee study site and surrounding area, please see Appendix 7. For definitions and pictures of some of the habitat terms, please see pages 20-21.

VICKI PIASKOWSKI



Wetland

VICKI PIASKOWSKI



Wetland and inlet

VICKI PIASKOWSKI



Box elder leaf

VICKI PIASKOWSKI



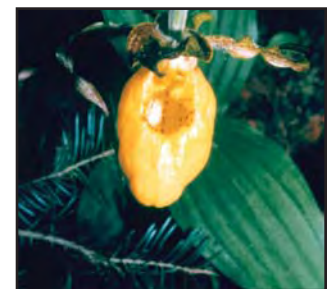
Common buckthorn

VICKI PIASKOWSKI



Red-osier dogwood

VICKI PIASKOWSKI



Yellow ladyslipper orchid