

BIRDS OF THE KOFFLER SCIENTIFIC RESERVE AT JOKERS HILL
King Township, Regional Municipality of York
(second edition, revision 1)

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The first edition of this list was compiled by C. Sean Blaney and was published as an appendix to his M.Sc. thesis (Blaney C.S. 1999. Seed bank dynamics of native and exotic plants in open uplands of southern Ontario. University of Toronto. <https://tspace.library.utoronto.ca/handle/1807/14382/>). It subsequently was formatted for the web by P.M. Kotanen and made available on the Koffler Scientific Reserve website (<http://ksr.utoronto.ca/>), where it was revised periodically to reflect additions and taxonomic changes. This second edition represents a major revision reflecting recent phylogenetic and nomenclatural changes and adding additional species; it will be updated periodically.

This property was donated to the University of Toronto in 1995. This list is based on observations at this site by C.S. Blaney, P.M. Kotanen, and many others beginning in 1997, supplemented with observations by property manager W. Fox between 1971 and 1998, and by an on-site banding program conducted by T. McKenzie and G. Reed since 2013. Phylogenetic classification and scientific and English nomenclature follow the American Ornithological Society's (AOS) Checklist of North and Middle American Birds, 7th edition, 60th supplement (<http://checklist.americanornithology.org/taxa>). Breeding status codes are based on those used in the 2nd Ontario Breeding Bird Atlas (2001-2005) (<http://www.birdsontario.org/atlas/secondatlas.jsp>). The codes are:

O - Observed without evidence of breeding

M - observed only as a migrant or winter resident

X - observed during the species' breeding season without evidence of breeding

PO - breeding possible

H - observed in suitable habitat during breeding season

M - singing male observed in suitable habitat during breeding season

P - breeding probable

P - pair observed in suitable habitat during breeding season

T - singing male observed in the same area on visits separated by at least two weeks

A - agitated behaviour

D - breeding display or intraspecific hostility

N - nest building

CO - breeding confirmed

AE - adult entering presumed nest site

DD - distraction display

NU - used nest

FS - adult carrying food or faecal sac

NE - nest with eggs

NY - nest with young

FY - flightless or dependent young

This list includes all birds observed from within the boundaries of the Koffler Scientific Reserve during the observation period. Of the 186 species and hybrids listed, 182 are considered locally native, while 4 (Rock Dove, European Starling, House Sparrow, and House Finch) are introduced. Information on any additional species (preferably with photographs) would be welcomed by the authors.

ANSERIFORMES**Anatidae**

Branta bernicla (Linnaeus)
Branta canadensis (Linnaeus)
Cygnus buccinator Richardson
Aix sponsa (Linnaeus)
Spatula discors Linnaeus
Anas platyrhynchos Linnaeus
Anas crecca Linnaeus
Aythya americana (Eyton)
Aythya collaris (Donovan)
Bucephala albeola (Linnaeus)
Bucephala clangula (Linnaeus)
Lophodytes cucullatus (Linnaeus)
Mergus merganser Linnaeus

GALLIFORMES**Phasianidae**

Bonasa umbellus (Linnaeus)
Meleagris gallopavo Linnaeus

PODICIPEDIFORMES**Podicipedidae**

Podilymbus podiceps (Linnaeus)

COLUMBIFORMES**Columbidae**

Columba livia Gmelin
Zenaidura macroura (Linnaeus)

CUCULIFORMES**Cuculidae**

Coccyzus americanus (Linnaeus)
Coccyzus erythrophthalmus (A. Wilson)

CAPRIMULGIFORMES**Caprimulgidae**

Chordeiles minor (J.R. Forster)
Antrostomus vociferus A. Wilson

APODIFORMES

Apodidae (Swifts)

Ducks, Geese & Swans**(Ducks, Geese & Swans)**

Brant O-M
Canada Goose CO-FY
Trumpeter Swan O
Wood Duck P-P
Blue-winged Teal O-M
Mallard CO-FY
Green-winged Teal O-M
Redhead O-M
Ring-necked Duck O-M
Bufflehead O-M
Common Goldeneye O-M
Hooded Merganser O-M
Common Merganser O-M

Fowls**(Pheasants & Grouses)**

Ruffed Grouse CO-FY
Wild Turkey CO-FY

Grebes**(Grebes)**

Pied-billed Grebe O-M

Pigeons & Doves**(Pigeons & Doves)**

Rock Dove CO-AE
Mourning Dove CO-FY

Cuckoos**(Cuckoos)**

Yellow-billed Cuckoo PO-M
Black-billed Cuckoo P-T

Nightjars**(Nightjars)**

Common Nighthawk O-X
Eastern Whip-poor-will PO-M

Hummingbirds & Swifts

Chaetura pelagica (Linnaeus)

Chimney Swift

O-X

| | | |
|---|--|------------------------------------|
| Trochilidae <i>Archilochus colubris</i> (Linnaeus) | (Hummingbirds) Ruby-throated Hummingbird | CO-NE |
| GRUIFORMES | Cranes & Rails | |
| Rallidae <i>Rallus limicola</i> Vieillot <i>Porzana carolina</i> (Linnaeus) <i>Fulica americana</i> Gmelin | (Rails, Crakes & Coots) Virginia Rail Sora American Coot | O-M O-M O-M |
| Gruidae <i>Antigone canadensis</i> (Linnaeus) | (Cranes) Sandhill Crane | O-M |
| CHARADRIIFORMES | Shorebirds | |
| Charadriidae <i>Charadrius vociferus</i> Linnaeus | (Plovers) Killdeer | CO-FY |
| Scolopacidae <i>Scolopax minor</i> Gmelin <i>Gallinago delicata</i> (Ord) <i>Actitis macularius</i> (Linnaeus) <i>Tringa solitaria</i> A. Wilson <i>Tringa melanoleuca</i> (Gmelin) | (Sandpipers & Snipes) American Woodcock Wilson's Snipe Spotted Sandpiper Solitary Sandpiper Greater Yellowlegs | CO-FY P-T PO-H O-M O-M |
| Laridae <i>Larus delawarensis</i> Ord <i>Larus argentatus</i> Pontoppidan <i>Hydroprogne caspia</i> (Pallas) | (Gulls & Terns) Ring-billed Gull Herring Gull Caspian Tern | O-X O-X O-X |
| GAVIIFORMES | Loons | |
| Gaviidae <i>Gavia immer</i> (Brünnich) | (Loons) Common Loon | O-M |
| SULIFORMES | Cormorants | |
| Phalacrocoracidae <i>Phalacrocorax auritus</i> (Lesson) | Double-crested Cormorant | O-X |
| PELECANIFORMES | Pelicans & Herons | |
| Ardeidae <i>Botaurus lentiginosus</i> (Rackett) <i>Ardea herodias</i> Linnaeus <i>Butorides virescens</i> (Linnaeus) | (Herons & Bitterns) American Bittern Great Blue Heron Green Heron | O-M O-X O-X |

CATHARTIFORMES**Cathartidae***Cathartes aura* (Linnaeus)**ACCIPITRIFORMES****Pandionidae***Pandion haliaetus* (Linnaeus)**Accipitridae***Circus hudsonius* (Linnaeus)*Accipiter striatus* Vieillot*Accipiter cooperii* (Bonaparte)*Accipiter gentilis* (Linnaeus)*Haliaeetus leucocephalus* (Linnaeus)*Buteo lineatus* (Gmelin)*Buteo platypterus* (Vieillot)*Buteo jamaicensis* (Gmelin)**STRIGIFORMES****Strigidae***Megascops asio* (Linnaeus)*Bubo virginianus* (Gmelin)*Bubo scandiacus* (Linnaeus)*Strix varia* Barton*Strix nebulosa* J.R. Forster*Asio otus* (Linnaeus)*Aegolius acadicus* (Gmelin)**CORACIIFORMES****Alcedinidae***Megaceryle alcyon* (Linnaeus)**PICIFORMES****Picidae***Melanerpes erythrocephalus* (Linnaeus)*Melanerpes carolinus* (Linnaeus)*Sphyrapicus varius* (Linnaeus)*Dryobates pubescens* (Linnaeus)*Dryobates villosus* (Linnaeus)*Colaptes auratus* (Linnaeus)*Dryocopus pileatus* (Linnaeus)**Vultures****(New World Vultures)**

Turkey Vulture

O-X

Hawks**(Ospreys)**

Osprey

O-M

(Hawks & Eagles)

Northern Harrier

PO-H

Sharp-shinned Hawk

CO-FS

Cooper's Hawk

CO-FS

Northern Goshawk

O-X

Bald Eagle

O-M

Red-shouldered Hawk

CO-NY

Broad-winged Hawk

P-T

Red-tailed Hawk

P-A

Owls**(Owls)**

Eastern Screech-Owl

CO-FY

Great Horned Owl

P-T

Snowy Owl

O-M

Barred Owl

P-T

Great Gray Owl

O-M

Long-eared Owl

O-M

Northern Saw-whet Owl

O-M

Kingfishers**(Kingfishers)**

Belted Kingfisher

PO-H

Woodpeckers**(Woodpeckers)**

Red-headed Woodpecker

O-M

Red-bellied Woodpecker

CO-FY

Yellow-bellied Sapsucker

CO-FY

Downy Woodpecker

CO-FY

Hairy Woodpecker

CO-NY

Northern Flicker

CO-FY

Pileated Woodpecker

CO-NY

FALCONIFORMES**Falconidae**

Falco sparverius Linnaeus
Falco columbarius Linnaeus
Falco peregrinus Tunstall

Falcons**(Falcons)**

American Kestrel CO-AE
Merlin O-M
Peregrine Falcon O-M

PASSERIFORMES**Tyrannidae**

Myiarchus crinitus (Linnaeus)
Tyrannus tyrannus (Linnaeus)
Contopus cooperi (Nuttall)
Contopus virens (Linnaeus)
Empidonax flaviventris (W.M. Baird & S.F. Baird)
Empidonax alnorum Brewster
Empidonax minimus (W.M. Baird & S.F. Baird)
Sayornis phoebe (Latham)

(Tyrant Flycatchers)

Great Crested Flycatcher CO-FY
Eastern Kingbird CO-AE
Olive-sided Flycatcher O-M
Eastern Wood-Pewee CO-FY
Yellow-bellied Flycatcher O-M
Alder Flycatcher CO-FY
Least Flycatcher CO-FY
Eastern Phoebe CO-FY

Laniidae

Lanius borealis Vieillot

(Shrikes)

Northern Shrike O-M

Vireonidae

Vireo flavifrons Vieillot
Vireo solitarius (A. Wilson)
Vireo philadelphicus (Cassin)
Vireo gilvus (Vieillot)
Vireo olivaceus (Linnaeus)

(Vireos)

Yellow-throated Vireo O-M
Blue-headed Vireo P-T
Philadelphia Vireo O-M
Warbling Vireo CO-FY
Red-eyed Vireo CO-FY

Corvidae

Cyanocitta cristata (Linnaeus)
Corvus brachyrhynchos C.L. Brehm
Corvus corax Linnaeus

(Crows & Jays)

Blue Jay P-P
American Crow CO-FY
Common Raven O-M

Alaudidae

Eremophila alpestris (Linnaeus)

(Larks)

Horned Lark PO-M

Hirundinidae

Riparia riparia (Linnaeus)
Tachycineta bicolor (Vieillot)
Stelgidopteryx serripennis (Audubon)
Progne subis (Linnaeus)
Hirundo rustica Linnaeus
Petrochelidon pyrrhonota (Vieillot)

(Swallows & Martins)

Bank Swallow O-X
Tree Swallow CO-AE
Northern Rough-winged Swallow O-X
Purple Martin O-X
Barn Swallow CO-NY
Cliff Swallow O-X

Paridae

Poecile atricapillus (Linnaeus)

(Tits & Chickadees)

Black-capped Chickadee CO-FY

| | | |
|--|---------------------------------------|-------|
| Sittidae | (Nuthatches) | |
| <i>Sitta canadensis</i> Linnaeus | Red-breasted Nuthatch | CO-FY |
| <i>Sitta carolinensis</i> Latham | White-breasted Nuthatch | CO-FY |
| Certhiidae | (Creepers) | |
| <i>Certhia americana</i> Bonaparte | Brown Creeper | P-T |
| Troglodytidae | (Wrens) | |
| <i>Troglodytes aedon</i> Vieillot | House Wren | CO-FY |
| <i>Troglodytes hiemalis</i> Vieillot | Winter Wren | P-T |
| <i>Cistothorus platensis</i> (Latham) | Sedge Wren | O-M |
| Poliophtilidae | | |
| <i>Poliophtila caerulea</i> (Linnaeus) | Blue-grey Gnatcatcher | O-M |
| Regulidae | (Kinglets) | |
| <i>Regulus satrapa</i> Lichtenstein | Golden-crowned Kinglet | P-T |
| <i>Regulus calendula</i> (Linnaeus) | Ruby-crowned Kinglet | O-M |
| Turdidae | (Thrushes) | |
| <i>Sialia sialis</i> (Linnaeus) | Eastern Bluebird | CO-AE |
| <i>Catharus fuscescens</i> (Stephens) | Veery | P-T |
| <i>Catharus minimus</i> | Grey-cheeked Thrush | O-M |
| <i>Catharus ustulatus</i> | Swainson's Thrush | O-M |
| <i>Catharus guttatus</i> (Pallas) | Hermit Thrush | CO-FY |
| <i>Hylocichla mustelina</i> (Gmelin) | Wood Thrush | CO-FY |
| <i>Turdus migratorius</i> Linnaeus | American Robin | CO-NE |
| Mimidae | (Mockingbirds & Thrashers) | |
| <i>Dumetella carolinensis</i> (Linnaeus) | Gray Catbird | CO-FY |
| <i>Toxostoma rufum</i> (Linnaeus) | Brown Thrasher | PO-M |
| <i>Mimus polyglottos</i> (Linnaeus) | Northern Mockingbird | O-M |
| Sturnidae | (Starlings) | |
| <i>Sturnus vulgaris</i> Linnaeus | European Starling | CO-NY |
| Bombycillidae | (Waxwings) | |
| <i>Bombycilla garrulus</i> (Linnaeus) | Bohemian Waxwing | O-M |
| <i>Bombycilla cedrorum</i> Vieillot | Cedar Waxwing | CO-FY |
| Passeridae | (Old World Sparrows) | |
| <i>Passer domesticus</i> (Linnaeus) | House Sparrow | O-X |
| Motacillidae | (Wagtails & Pipits) | |
| <i>Anthus rubescens</i> (Tunstall) | American Pipit | O-M |

Fringillidae

Coccothraustes vespertinus (W. Cooper)
Pinicola enucleator (Linnaeus)
Haemorhous mexicanus (Statius Müller)
Haemorhous purpureus (Gmelin)
Acanthis flammea (Linnaeus)
Loxia curvirostra Linnaeus
Loxia leucoptera Gmelin
Spinus pinus (A. Wilson)
Spinus tristis (Linnaeus)

Calcariidae

Plectrophenax nivalis (Linnaeus)

Passerellidae

Ammodramus savannarum (Gmelin)
Spizella passerina (Bechstein)
Spizella pallida (Swainson)
Spizella pusilla (A. Wilson)
Passerella iliaca (Merrem)
Spizelloides arborea (A. Wilson)
Junco hyemalis (Linnaeus)
Zonotrichia leucophrys (J.R. Forster)
Zonotrichia albicollis (Gmelin)
Pooecetes gramineus (Gmelin)
Passerculus sandwichensis (Gmelin)
Melospiza melodia (A. Wilson)
Melospiza lincolni (Audubon)
Melospiza georgiana (Latham)
Pipilo erythrophthalmus (Linnaeus)

Icteriidae

Icteria virens (Linnaeus)

Icteridae

Dolichonyx oryzivorus (Linnaeus)
Sturnella magna (Linnaeus)
Icterus spurius (Linnaeus)
Icterus galbula (Linnaeus)
Agelaius phoeniceus (Linnaeus)
Molothrus ater (Boddaert)
Euphagus carolinus (Müller)
Quiscalus quiscula (Linnaeus)

(Old World Finches)

Evening Grosbeak O-M
Pine Grosbeak O-M
House Finch PO-M
Purple Finch P-P
Common Redpoll O-M
Red Crossbill O-M
White-winged Crossbill O-X
Pine Siskin O-M
American Goldfinch CO-NE

(Longspurs & Snow Buntings)

Snow Bunting O-M

(New World Sparrows)

Grasshopper Sparrow PO-M
Chipping Sparrow CO-FY
Clay-colored Sparrow PO-H
Field Sparrow CO-NE
Fox Sparrow O-M
American Tree Sparrow O-M
Dark-eyed Junco O-M
White-crowned Sparrow O-M
White-throated Sparrow P-T
Vesper Sparrow PO-H
Savannah Sparrow CO-FY
Song Sparrow CO-FY
Lincoln's Sparrow O-M
Swamp Sparrow CO-FY
Eastern Towhee CO-FY

(Yellow-breasted Chats)

Yellow-breasted Chat O-M

(New World Blackbirds)

Bobolink CO-FS
Eastern Meadowlark CO-NE
Orchard Oriole PO-M
Baltimore Oriole CO-FY
Red-winged Blackbird CO-FY
Brown-headed Cowbird CO-FY
Rusty Blackbird O-M
Common Grackle CO-FS

Parulidae

Seiurus aurocapilla (Linnaeus)
Parkesia noveboracensis (Gmelin)
Vermivora chrysoptera (Linnaeus)
Vermivora cyanoptera (Olson & Reveal)
Vermivora chrysoptera (Linnaeus)
 x*Vermivora cyanoptera* (Olson & Reveal)
Mniotilta varia (Linnaeus)
Leiothlypis peregrina (A. Wilson)
Leiothlypis celata (Say)
Leiothlypis ruficapilla (A. Wilson)
Oporornis agilis (A. Wilson)
Geothlypis philadelphia (A. Wilson)
Geothlypis trichas (Linnaeus)
Setophaga citrina (Boddaert)
Setophaga ruticilla (Linnaeus)
Setophaga tigrina (Gmelin)
Setophaga americana (Linnaeus)
Setophaga magnolia (A. Wilson)
Setophaga castanea (A. Wilson)
Setophaga fusca (Statius Müller)
Setophaga petechia (Linnaeus)
Setophaga pensylvanica (Linnaeus)
Setophaga striata (J.R. Forster)
Setophaga caerulescens (Gmelin)
Setophaga palmarum (Gmelin)
Setophaga pinus (Linnaeus)
Setophaga coronata (Linnaeus)
Setophaga virens (Gmelin)
Cardellina canadensis (Linnaeus)
Cardellina pusilla (A. Wilson)

(New World Warblers)

Ovenbird CO-FY
Northern Waterthrush PO-M
Golden-winged Warbler CO-FS
Blue-winged Warbler CO-FS
Brewster's Warbler CO-FS
Black-and-white Warbler PO-M
Tennessee Warbler O-M
Orange-crowned Warbler O-M
Nashville Warbler CO-FY
Connecticut Warbler O-M
Mourning Warbler CO-FY
Common Yellowthroat CO-FS
Hooded Warbler PO-M
American Redstart O-M
Cape May Warbler O-M
Northern Parula O-M
Magnolia Warbler P-T
Bay-breasted Warbler O-M
Blackburnian Warbler P-T
Yellow Warbler CO-FY
Chestnut-sided Warbler PO-M
Blackpoll Warbler O-M
Black-throated Blue Warbler O-M
Palm Warbler O-M
Pine Warbler P-T
Yellow-rumped Warbler P-T
Black-throated Green Warbler P-T
Canada Warbler PO-M
Wilson's Warbler O-M

Cardinalidae

Piranga olivacea (Gmelin)
Cardinalis cardinalis (Linnaeus)
Pheucticus ludovicianus (Linnaeus)
Passerina cyanea (Linnaeus)

(Cardinals & Allies)

Scarlet Tanager CO-FY
Northern Cardinal CO-FY
Rose-breasted Grosbeak CO-FY
Indigo Bunting CO-FY