

As autumn advances and the leaves begin to fall, other things take shape. The abandoned nests of birds that I have passed beneath or beside every morning, not even realizing they were present. Nesting birds are wisely secretive during the critical breeding season. There are cowbirds out there, and predators. They can't take a chance on our intentions; I am viewed with suspicion, so they remain hidden, or direct my attention elsewhere with distractions. In the fall, I am of no interest to them.

Every walk is different and new things emerge as the season advances. I have already noted the absence of some early morning songsters. The fisher is still here, and I see him occasionally crossing the road, opportunistically seeking out any prey that may be foolishly off-guard. One morning, much later, a marked drop in temperature will signal the end of the insects and their voices

will cease, replaced by the 'check' call-notes of yellow-rumped warblers as they clean up any remaining spiders in the prickly ash.

The season progresses, almost on cue, one aspect of the natural world that our meddling hands are unable to stop. Despite our bumbling attempts to control nature, the leaves will still turn, the blue of New England aster and the graceful plumes of goldenrod will continue to forge ahead, and November will be upon us with its own special attributes. To enjoy it, we just need to leave our portable music devices and earphones behind and pay attention to the sights and music that are ours at no charge, if we just take time to observe and listen.

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The Great Canadian BioBlitz of 2013

Anne Robertson

The purpose of a BioBlitz is to list as many plant and animal species as possible in a 24-hour period at a selected site, giving a snapshot of its biodiversity. This one-day inventory of living things provides a baseline for observing future changes that could occur due to global warming or invasive species. Amateur and professional naturalists join forces to spot and identify species and to educate each other and the public about the diversity of the location.

The 15th annual BioBlitz of the KFN was held on the Depot Creek Nature Reserve, a property of the Land Conservancy for Kingston, Frontenac, Lennox & Addington. The 72-acre property has wetland, woodland and open areas, providing habitat for a variety of plants and animals. The weather was perfect and relatively few mosquitoes were encountered! Participants parked at the road and walked across the meadow to reach the base tent, where registration and the

BBQ took place and the guided walks began. Five groups camped on the adjacent property of Kim Ondaatje, a very helpful local resident.

Sixty-two field observers spread over the property from 3pm June 14, to 3pm June 15, collecting information on everything from early-morning birds to night-time moths and from woodland slugs to wetland Red-bellied Leeches. Participants included Kingston Field Naturalists (about 35), professionals, neighbours and youth. A party from Deep River came to help us list species.

Guided walks were available to the public on a variety of natural history themes. Topics included live trap and release of small mammals, bird identification and snake hunting as well as moth, butterfly, and dragonfly listing and pond dipping.



Guided Walk

Photo by Gaye Beckwith

An astronomy session proved to be of great interest, although it did not add species to our lists. This dark-sky site enabled people to have spectacular sightings with the telescope provided. A delicious BBQ was held at noon on Saturday and prizes were presented for answering quiz questions. Volunteers

were thanked and the Land Conservancy presented with a bat roosting box for allowing us use of the site. The box made by KFN member Lynn Bell has been installed.

An exciting sighting was our only Ontario lizard species: a Five-lined Skink seen by many. The southern Shield population of Skinks is listed as being of Special Concern. (The Carolinian population is Endangered). A mature male skink was seen on the property a few days prior to the Blitz; a young or female specimen (with blue tail) was seen later. Three of seven turtle species in Eastern Ontario were seen. Musk Turtle and Blanding's Turtle are Species At Risk; the Midland Painted Turtle is not. Finding a Pike in the Cattle Pond was a surprise, leading to speculation as to how it got there.

Bird sightings were representative of the Lands Between, *i.e.* some Shield species and some open field species such as Meadowlark and Bobolink, aerial insectivores and Species At Risk mostly because of the habitat loss. Common Nighthawk and Whip-poor-will were heard, and a Bluebird was found nesting in a natural cavity.

The young and not-so-young enjoyed dipping in a beaver pond for small animals to add to other invertebrates, including species that entered live traps left in the water overnight. Invertebrates included Moustached Clubtail and Ashy Clubtail dragonflies (new to KFN list) as well as the rare Lilypad Clubtail and Horned Clubtail. These Clubtails are found near running water. A Leopard

Moth and a Baltimore Checkerspot were nice finds as were nine species of Flower Fly including *Sericomyia lata*.



Sericomyia lata

Photo by Kurt

Plants represented half of species seen, and included trees and shrubs, grasses, sedges and other flowering herbaceous species. This is a big job; we are grateful to those who found and identified them. Several Butternut trees were seen and a Bristly Greenbrier was a special sighting. Some non-vascular plants (which include mosses and lichens) were recorded and a few Fungi named.

Nighttime activities allowed the addition of species more active after dark and included one bat observation (with bat detector), owl calling and moth identification. Overnight Whip-poor-wills (a Species Of Concern) were heard and the Bullfrog calls were deafening! (The largest Bullfrog weighed was 265grams!)

There were relatively few specimens of invasive species, indicating the lack of disturbance at this site. No Garlic

Mustard, European Buckthorn or Wild Parsnip was recorded and the presence of Dog-strangling Vine was minimal.

The final tally was 7 mammal species, 70 birds, 10 reptiles and amphibians, and 12 fish for a total of 99 vertebrates. Thirty-one dragonflies and damselflies, 23 species of butterflies, 64 moth species were among the total of 227 invertebrate species, a third of the total species. Seventeen ferns and allies were recorded and the final tally of trees, shrubs and herbaceous plants including grasses and sedges is 345, half of the species. A few non-vascular plants and Fungi brought the total to a wonderful 691 species for this one day inventory of the property, the second best tally for a KFN BioBlitz.

Thanks to those who made this BioBlitz possible, including the committee, registration team, walk leaders, species listers and tally compilers. We hope that future generations will also have the thrill of finding as much variety of life in this area in one day.

The following tally has mostly been organized with scientific names of species in alphabetical order within families organized in taxonomic order. It was collated by several individuals and names have been updated as far as possible. Common names used are taken from sources including NHIC (Natural Heritage Information Centre) and field guides. Alien plants are indicated by *, and alternative common names of plants included in brackets. Moths are listed by Hodges number.

Vertebrates

SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME	COMMON NAME
MAMMALS			
VESPERTILIONIDAE	BATS	ACCIPITRIDAE	HAWKS FALCONS & EAGLES
	Bat sp.	<i>Pandion haliaetus</i>	Osprey
		<i>Buteo jamaicensis</i>	Red-tailed Hawk
LEPORIDAE	RABBITS & HARES		
<i>Sylvilagus floridanus mearnsii</i>	Eastern Cottontail	TETRAONIDAE	GROUSE
		<i>Bonasa umbellus</i>	Ruffed Grouse
SCIURIDAE	SQUIRRELS		
<i>Tamias striatus lysteri</i>	Chipmunk	SCOLOPACIDAE	WOODCOCK, SNIPE, SANDPIPERS
<i>Tamiasciurus hudsonicus loquax</i>	Red Squirrel	<i>Capella gallinago</i>	Wilson Snipe
<i>Marmota monax rufescens</i>	Woodchuck	<i>Philohila minor</i>	American Woodcock
MUSTELIDAE	WEASELS	COLUMBIDAE	DOVES
<i>Mustela vison vison</i>	Mink	<i>Zenaida macroura</i>	Mourning Dove
		<i>Columba livia</i>	Rock Pigeon
CERVIDAE	DEER		
<i>Odocoileus virginianus borealis</i>	White-tailed deer	CUCULIDAE	CUCKOOS
		<i>Coccyzus americanus</i>	Yellow-billed Cuckoo
BIRDS		STRIGIDAE	OWLS
GAVIIDAE	LOONS	<i>Strix varia</i>	Barred Owl
<i>Gavia immer</i>	Common Loon		
		CAPRIMULGIDAE	GOATSUCKERS
ARDEIDAE	HERONS & BITTERNS	<i>Chordeiles minor</i>	Common Nighthawk
<i>Botaurus lentiginosus</i>	American Bittern	<i>Caprimulgus vociferus</i>	Whip-poor-will
<i>Ardea herodias</i>	Great Blue Heron		
		TROCHILIDAE	HUMMINGBIRDS
	SWANS, GEESE, & DUCKS	<i>Archilochus colubris</i>	Ruby-throated Hummingbird
ANATIDAE			
<i>Branta canadensis</i>	Canada Goose	ALCEDINIDAE	KINGFISHERS
<i>Aix sponsa</i>	Wood Duck	<i>Megaceryle alcyon</i>	Belted Kingfisher
<i>Anas platyrhynchos</i>	Mallard		
		PICIDAE	WOODPECKERS
CATHARTIDAE	VULTURES	<i>Sphyrapicus varius</i>	Yellow-bellied Sapsucker
<i>Cathartes aura</i>	Turkey Vulture	<i>Picoides pubescens</i>	Downy Woodpecker
		<i>Picoides villosus</i>	Hairy Woodpecker
		<i>Colaptes auratus</i>	Northern Flicker
		<i>Dryocopus pileatus</i>	Pileated Woodpecker

SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME	COMMON NAME
TYRANNIDAE	FLYCATCHERS	STURNIDAE	STARLINGS
<i>Contopus virens</i>	Eastern Wood Pewee	<i>Sturnus vulgaris</i>	European Starling
<i>Empidonax minimus</i>	Least Flycatcher		
<i>Sayornis phoebe</i>	Eastern Phoebe	VIREONIDAE	VIREOS
<i>Myiarchus crinitus</i>	Great-crested Flycatcher	<i>Vireo olivaceus</i>	Red-eyed Vireo
<i>Tyrannus tyrannus</i>	Eastern Kingbird		
		PARULINAE	WOOD WARBLERS
HIRUNDINIDAE	SWALLOWS		Golden-winged Warbler
<i>Iridoprocne bicolor</i>	Tree Swallow	<i>Vermivora chrysoptera</i>	Yellow Warbler
		<i>Dendroica petechia</i>	Chestnut-sided Warbler
CORVIDAE	JAYS AND CROWS	<i>Dendroica pensylvanica</i>	Black-throated Green Warbler
<i>Cyanocitta cristata</i>	Blue Jay	<i>Dendroica virens</i>	Black-and-White Warbler
<i>Corvus brachyrhynchos</i>	American Crow	<i>Mniotilta varia</i>	American Redstart
<i>Corvus corax</i>	Common Raven	<i>Setophaga ruticilla</i>	Ovenbird
		<i>Seiurus aurocapillus</i>	Common Yellowthroat
PARIDAE	TITMICE		
<i>Parus atricapillus</i>	Black-capped Chickadee	THRAUPINAE	TANAGERS
		<i>Piranga olivacea</i>	Scarlet Tanager
SITTIDAE	NUTHATCHES		
<i>Sitta carolinensis</i>	White-breasted Nuthatch	CARDINALINAE	CARDINALS, ALLIES
			Rose-breasted Grosbeak
TROGLODYTIDAE	WRENS	<i>Pheucticus ludovicianus</i>	Indigo Bunting
<i>Troglodytes aedon</i>	House Wren	<i>Passerina cyanea</i>	
	KINGLETS & GNATCATCHERS	EMBERIZINAE	SPARROWS AND BUNTINGS
<i>Polioptila caerulea</i>	Blue-gray Gnatcatcher	<i>Pipilo erythrophthalmus</i>	Eastern Towhee
		<i>Spizella passerina</i>	Chipping Sparrow
TURDINAE	THRUSHES & BLUEBIRDS	<i>Spizella pusilla</i>	Field Sparrow
<i>Sialia sialis</i>	Eastern Bluebird	<i>Passerculus sandwichensis</i>	Savannah Sparrow
<i>Catharus fuscescens</i>	Veery	<i>Melospiza melodia</i>	Song Sparrow
<i>Turdus migratorius</i>	American Robin	<i>Melospiza georgiana</i>	Swamp Sparrow
MIMIDAE	MIMICS		
<i>Dumetella carolinensis</i>	Gray Catbird		
<i>Toxostoma rufum</i>	Brown Thrasher		
BOMBYCILLIDAE	WAXWINGS		
<i>Bombycilla cedrorum</i>	Cedar Waxwing		

SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME	COMMON NAME
	MEADOWLARKS & BLACKBIRDS	<i>RANIDAE</i>	TRUE FROGS
<i>ICTERINAE</i>		<i>Rana pipiens</i>	Northern Leopard Frog
<i>Dolichonyx oryzivorus</i>	Bobolink	<i>Rana clamitans</i>	Green Frog
<i>Agelaius phoeniceus</i>	Red-winged Blackbird	<i>Rana catesbiana</i>	Bull Frog
<i>Sturnella magna</i>	Eastern Meadowlark		
<i>Quiscalus quicula</i>	Common Grackle		
	Brown-headed Cowbird	FISH	
<i>Molothrus ater</i>		<i>FUNDULIDAE</i>	
<i>Icterus galbula</i>	Baltimore Oriole	<i>Fundulus diaphanus</i>	Banded Killifish
<i>FRINGILLIDAE</i>	FINCHES	<i>CENTRARCHIDAE</i>	
<i>Carduelis tristis</i>	American Goldfinch	<i>Lepomis gibbosus</i>	Pumpkinseed
		<i>Lepomis macrochirus</i>	Bluegill
REPTILES		<i>Ambloplites rupestris</i>	Rock Bass
	MUSK AND MUD TURTLES		
<i>KINOSTERNIDAE</i>		<i>PERCIDAE</i>	
<i>Sternotherus odoratus</i>	Common Musk Turtle	<i>Perca flavescens</i>	Yellow Perch
		<i>Etheostoma nigrum</i>	Johnny Darter
	POND AND MARSH TURTLES		
<i>EMYDIDAE</i>		<i>ICTALURIDAE</i>	
<i>Chrysemys picta</i>	Midland Painted Turtle	<i>Ameiurus nebulosus</i>	Brown Bullhead
<i>Emydoidea blandingi</i>	Blanding's Turtle		
		<i>CYPRINIDAE</i>	
<i>SCINCIDAE</i>	SKINKS	<i>Pimephales promelas</i>	Fathead Minnow
<i>Eumeces fasciatus</i>	Five-lined Skink	<i>Notropis cornutus</i>	Common Shiner
		<i>Semolitus atromaculatus</i>	Creek Chub
<i>COLUBRIDAE</i>	TYPICAL SNAKES		Northern Redbelly Dace
<i>Thamnophis sirtalis</i>	Common Garter Snake	<i>Chrosomus eos</i>	
<i>Nerodia sipedon</i>	Northern Water Snake		
AMPHIBIANS		<i>ESOCIDAE</i>	
<i>HYLIDAE</i>	TREEFROGS	<i>Esox sp.</i>	Northern Pike
<i>Hyla versicolor</i>	Gray Treefrog		

Invertebrates

SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME	COMMON NAME
INSECTA	INSECTS	<i>Leucorrhinia intacta</i>	Dot-tailed Whiteface
Ephemeroptera	Mayflies	<i>Leucorrhinia proxima</i>	Belted Whiteface
<i>Caenis sp.</i>	Small Squaregills	<i>Libellula incesa</i>	Slaty Skimmer
<i>Tricorythodes sp.</i>	Little Stout Crawlers	<i>Libellula luctuosa</i>	Widow Skimmer
			Twelve-spotted Skimmer
Odonata	Dragon & Damselflies	<i>Libellula pulchella</i>	Four-spotted Skimmer
Zygoptera	Damselflies	<i>Libellula quadrimaculata</i>	Blue Dasher
<i>Lestes inaequalis</i>	Elegant Spreadwing	<i>Pachydiplax longipennis</i>	Common Whitetail
<i>Calopteryx maculata</i>	Powdered Dancer	<i>Plathemis (Libellulua) lydia</i>	
<i>Enallagma ebrium</i>	Marsh Bluet		
<i>Ischnura posita</i>	Fragile Forktail	Plecoptera	Stoneflies
<i>Ischnura verticalis</i>	Eastern Forktail	<i>Plecoptera sp.</i>	Stonefly nymph
<i>Nehalennia irene</i>	Sedge Sprite		
<i>Lestidae family</i>	Spreadwinged damselfly nymph		
<i>Calopterygidae family</i>	Green Spreadwing damselfly nymph	Orthoptera	Grasshoppers, Katydid and Crickets
		<i>Nemoblinae</i>	Ground Cricket
Anisoptera	Dragonflies	<i>Acrididae</i>	Short-horned Grasshopper
Aeshnidae	Darners	<i>Chortophaga viridifasciata</i>	Northern Green-striped Grasshopper
<i>Anax junius</i>	Common Green Darner	<i>Gomphocerinae sp.</i>	Slant-faced Grasshopper
<i>Basiaeschna janata</i>	Springtime Darner	<i>Gryllus sp.</i>	Field Cricket
Gomphidae	Clubtails	Blattodea	Roaches
<i>Arigomphus cornutus*</i>	Horned Clubtail	<i>Periplaneta americana</i>	American Cockroach
<i>Gomphus adelphus*Pr</i>	Moustached Clubtail		
<i>Gomphus exilis</i>	Lancet Clubtail	Hemiptera	True Bugs
<i>Gomphus lividus*</i>	Ashy Clubtail	<i>Lygus lineolaris</i>	Tarnished Plant Bug
<i>Hagenius brevistylus</i>	Dragonhunter	<i>Perillus bioculatus</i>	Two-spotted Stinkbug
		<i>Acrosternum hilare</i>	Green Stinkbug
Corduliidae	Emeralds	<i>Lygaeus kalmi</i>	Small Milkweed Bug
<i>Dorocordulia libera*</i>	Racket-tailed Emerald	<i>Oncopeltus fasciatus</i>	Large Milkweed Bug
<i>Epitheca canis</i>	Beaverpond Baskettail	<i>Cedusa sp.</i>	Derbid Planthopper
<i>Epitheca cynosura</i>	Common Baskettail	<i>Corixidae family</i>	Water Boatman
<i>Epitheca princeps</i>	Prince Baskettail	<i>Notonectidae family</i>	Backswimmer
		<i>Gerridae family</i>	Water Strider
Libellulidae	Skimmers	<i>Nepidae family</i>	Water Bug nymph
<i>Erythemis simplicicollis</i>	Common Pondhawk	<i>Paraprociophilus tessellates</i>	Wooly Alder Aphid
<i>Ladona (Libellula) julia</i>	Chalk-fronted Corporal	<i>Aphrophora cribrasta</i>	Pine Spittlebug
<i>Leucorrhinia frigida*</i>	Frosted Whiteface		
<i>Leucorrhinia hudsonica*</i>	Hudsonian Whiteface		

SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME	COMMON NAME
	Dobsonflies, Lacewings, Antlions and Relatives		
<i>Neuroptera</i>		<i>Carterocephalus palaemon</i>	Arctic Skipper
<i>Chrysopidae sp.</i>	Green lacewing	<i>Coenonympha tullia</i>	Common Ringlet
		<i>Colias philodice</i>	Clouded Sulphur
		<i>Erynnis juvenalis</i>	Juvenal's Dusky Wing
Sub group Megaloptera	Fishflies	<i>Euphydryas phaeton</i>	Baltimore Checkerspot
<i>Nigronia serricornis</i>	Dark Fishfly	<i>Glaucopsyche lygdamus coup</i>	Silvery Blue
<i>Chauliodes rasticornis</i>	Spring Fishfly	<i>Hesperia sassacus</i>	Indian Skipper
		<i>Hyllolycaena hyllus</i>	Bronze Copper
Coleoptera	Beetles and Weevils	<i>Megisto cymela</i>	Little Wood Satyr
<i>Macrodactylus subspinosus</i>	Rose Chafer	<i>Papilio cresphontes</i>	Giant Swallowtail
<i>Chrysomela sp</i>	Leaf Beetle	<i>Papilio polyxenes asterous</i>	Black Swallowtail
<i>Galerucini sp.</i>	Leaf Beetle	<i>Phyciodes cocyta</i>	Northern Crescent
<i>Agriotes sp.</i>	Click Beetle	<i>Poanes hobomok</i>	Hobomok Skipper
<i>Propylea quatuordecimpunctata</i>	Fourteen-spotted Lady Beetle	<i>Polites themistocles</i>	Tawny Edged Skipper
<i>Pyropyga sp.</i>	Firefly	<i>Pterorouss glaucus canadensis</i>	Canadian Tiger Swallowtail
<i>Lucidota atra</i>	Black Firefly	<i>Thorybes pylades</i>	Northern Cloudy Wing
<i>Labidomera clivicollis</i>	Milkweed Leaf Beetle	<i>Thymelicus lineola</i>	European Skipper
<i>Pedilus sp.</i>	Fire-coloured Beetle		American Painted Lady
<i>Baridinae sp.</i>	Flower Weevil	<i>Vanessa virginiensis</i>	
<i>Myrmex sp.</i>	Black Weevil	<i>Wallengrenia egeremet</i>	Northern Broken Dash
<i>Tetraopes tetrophthalmus</i>	Red Milkweed Beetle		
<i>Donacia sp.</i>	Lilypad Beetle		
	Predaceous Diving Beetle	Moths arranged by Hodges number	
<i>Dytiscidae family</i>		<i>Ennomos subsignaria</i>	Elm Spanworm
<i>Gyrinidae family</i>	Whirligig Beetle	<i>Psyche casta</i>	Common Bagworm
<i>Hydrophilidae</i>	Water Scavenger Beetle	<i>Bibarrambia alenella</i>	Bog Bibarrambia
		<i>Olethreutes glaciana</i>	Frosty Olethreutes
		<i>Eucosma tocullionana</i>	White Pine Cone Borer
Mecoptera	Scorpion Flies and Hanging Flies		Oblique-banded Leafroller
<i>Mecoptera sp.</i>	Scorpion Fly	<i>Choristoneura rosaceana</i>	
		<i>Clepsis persicana</i>	White-triangle Clepsis
			Double-striped Scoparia
Trichoptera	Caddisflies	<i>Scoparia biplagiata</i>	
<i>Misstacides</i>	Caddisfly	<i>Elophila gyralis</i>	Waterlily Borer
<i>Macrostemum zebratum</i>	Zebra Caddisfly	<i>Paraponyx maculalis</i>	Pondweed Moth
<i>Nectopsyche exquisita</i>	White Miller type	<i>Crambus saltuellus</i>	Pasture Grass-Veneer
		<i>Agriphila sp.</i>	Vagabond Sod Moth
		<i>big white one</i>	Plume Moth 1
Lepidoptera	Butterflies, Moths and Skippers	<i>smaller brown one</i>	Plume Moth 2
<i>Anatrytone logan</i>	Delaware Skipper	<i>Macaria sp.</i>	Angle sp.
<i>Ancyloxypha numitor</i>	Least Skipper	<i>Iridopsis humaria</i>	Small Purplish Gray
<i>Basilarchia archippus</i>	Viceroy	<i>Eufidonia notataria</i>	Powder Moth
<i>Basilarchia arthemis</i>	White Admiral		

SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME	COMMON NAME
<i>Hupagyrtis unipunctata</i>	One-spot Variant	<i>Colocasia flavicornis</i>	Saddled Yellowhorn
<i>Euchlaena irraria</i>	Least Marked Euchlaena	<i>Colocasia propinquinelinea</i>	Close-banded Yellowhorn
<i>Phaeoura quernaria</i>	Oak Beauty	<i>Acronicta sp.</i>	Streaked Dagger type
<i>Campaea perlata</i>	Pale Beauty	<i>Nedra ramosula</i>	Grey Half-spot
<i>Metarranthis sp.</i>	Metarranthis	<i>Balsa trigigella</i>	Three-lined Balsa
<i>Cepphis armataria</i>	Scallopwing	<i>Elaphria alapallida</i>	Pale-winged Midget
<i>Probole sp.</i>	Probole	<i>Ochropleura implecta</i>	Flame-shouldered Dart
<i>Plagodis serinaria</i>	Lemon Plagodis	<i>Condica videns</i>	White-dotted Groundling Moth
<i>Tetracis cachexiata</i>	White Slant-Line	<i>Chrysoteuchia topiarius</i>	Topiary Grass-veneer Moth
<i>Dichorda iridaria</i>	Showy Emerald	<i>Malacosoma americanum</i>	Eastern Tent Caterpillar
<i>Chlorochlamy chloroleucaria</i>	Blackberry Looper		
<i>Horisme intestinata</i>	Brown Bark Carpet	Diptera	True Flies
<i>Eupithecia sp.</i>	Pug sp.	<i>Vitisiella brevicauda</i>	Grape Gall Midge
<i>Heterophleps refusaria</i>	Three-Patch Bigwing	<i>Gymnopterus sp.</i>	Long-legged Fly
<i>Actias luna</i>	Luna Moth	<i>Dolichopus sp.</i>	Long-legged Fly
<i>Nadata gibbosa</i>	White-dotted Prominent	<i>Chrysops sp.</i>	Deer Fly
<i>Hyperaeschra georgica</i>	Georgian Prominent	<i>Sciomyzidae sp.</i>	Marsh Fly
<i>Pheosia rimosa</i>	Black-rimmed Prominent	<i>Tachinidae sp.</i>	Parasitic Fly
<i>Narice bidentata</i>	Double-toothed Prominent	<i>Calliphoridae sp.</i>	Blow Fly
<i>Ellida caniplaga</i>	Linden Prominent	<i>Empididae sp.</i>	Dance Fly
<i>Heterocampa sp.</i>	Heterocampa sp.	<i>Muscidae sp.</i>	Muscid Fly
<i>Clemensia albata</i>	Little White Lichen Moth	<i>Microdon sp.</i>	Flower Fly
<i>Pyrrharctic isabella</i>	Isabella Tiger Moth	<i>Toxomerus marginatus</i>	Flower Fly
<i>Spilosoma dubia</i>	Dubious Tiger Moth	<i>Toxomerus geminatus</i>	Flower Fly
<i>Spilosoma virginica</i>	Virginia Tiger Moth	<i>Eristalis sp.</i>	Flower Fly
<i>Hyphantria cunea</i>	Fall Webworm	<i>Eristalis transversa</i>	Flower Fly
<i>Hypercompe scribonia</i>	Giant Leopard Moth	<i>Sphaerophoria sp.</i>	Flower Fly
<i>Lophocampa caryae</i>	Hickory Tussock Moth	<i>Syrphus grossularria</i>	Flower Fly
<i>Euchaetes egle</i>	Milkweed Tussock Moth	<i>Sericomyia lata</i>	Flower Fly
<i>Ctenucha virginica</i>	Virginia Ctenucha	<i>Temnostoma alternus</i>	Flower Fly
<i>(Bomolocha) Hypena manalis</i>	Flowing-line Snout	<i>Hemipenthes sp.</i>	Bee Fly
<i>Zanclognatha sp.</i>	Fanfoot	<i>Scarophagidae sp.</i>	Flesh Fly
<i>Zale horrida</i>	Horrid Zale	<i>Atrichopogon sp.</i>	Biting Midge
<i>Caenurgina sp.</i>	Forgage Looper type	<i>Dioctria hyalipennis</i>	Robber Fly
<i>Paileya ophthalmica</i>	Eyed Bailey	<i>Laphria thoracica</i>	Robber Fly
<i>Homophoberia apicosa</i>	Black Wedge-spot	<i>Rhagionidae</i>	Snipe Fly
<i>Leuconycta diptheroides</i>	Green Leuconycta	<i>Tipulidae sp 1</i>	Crane Fly
		<i>Tipulidae sp 2</i>	Crane Fly

SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME	COMMON NAME
Hymenoptera	Ants, Bees, Sawflies and Wasps	<i>Crustacea</i>	
<i>Xylocopa virginica</i>	Eastern Carpenter Bee	<i>Isopoda</i>	Isopods
<i>Ancistrocerus antilope</i>	Mason Wasp	<i>Porcello spinicornis</i>	Pillbug
<i>Bombus imaptiens</i>	Common Eastern Bumblebee	<i>Cladocera</i>	Water Fleas
<i>Melandrena sp.</i>	Andrenid Bee	<i>Chydoridae family</i>	
<i>Andrena crataegi</i>	Andrenid Bee	<i>Chydorid sp.</i>	Chydorid water flea
<i>Megachilidae sp.</i>	Leafcutter Bee	<i>Daphniidae Family</i>	
<i>Myrmicinae sp.</i>	Crematogater Ant	<i>Ceriodaphnia sp.</i>	Ceriodaphnia water flea
<i>Philanthinae</i>	Bee Wolf		
<i>Chalybio californicus</i>	Blue Mud Dauber	Phylum Rotifera	Wheel animals
<i>Tenthredinidae sp.</i>	Sawfly	<i>Brachionus sp.</i>	
<i>Lasioglossura sp.</i>	Sweat Bee	<i>Keratella sp.</i>	
<i>Orussus sp.</i>	Parasitic Wood Wasp		
<i>Chalcidoidea sp.</i>	Chalcid Wasp	Phylum Mollusca	Molluscs
<i>Ichneumonidae sp.</i>	Ichneumon Wasp	Gastropoda	Snails
<i>Netelia sp.</i>	Ichneumon Wasp	<i>Pulmonate Snail</i>	Orb shell (operculum absent)
		<i>Prosobranch Snail (Gilled Snails)</i>	Gilled snail (cone shell and operculum)
OTHER INVERTEBRATES			
Phylum Arthropoda		Bivalvia	Clams, Mussels
Chilipoda	Centipedes	<i>Sphaeriidae family</i>	Pea or Fingernail Clam
<i>Lithobiomorpha sp.</i>	Centipede	<i>Elliptio complanata</i>	Eastern Elliptio/ Fresh Water Clam
Diplapoda	Millipedes	Phylum Annelida	Segmented Worms
<i>Narceus americanus</i>	Millipede	Hirudinea	Leeches
		<i>Helobdella sp.</i>	Leech
Arachnida	Arachnids	<i>Haemopsis sp.</i>	Horse Leech
Araneae	Spiders	<i>Tubifex sp.</i>	Sludge Worm
<i>Dolomedes triton</i>	Six-spotted Jumping Spider		
<i>Eris militaris</i>	Jumping Spider		
<i>Pisaurina sp.</i>	Nursery Web Spider		
Acari	Mites and Ticks		
<i>Vasates aceriscrumena</i>	Maple Spindlegall Mite		
<i>Eriophyes ulmi</i>	Elm finger Gall Mite		
<i>Eriophyes padi</i>	Cherry Spindlegall Mite		
<i>Acalitus fagerinea</i>	Beech Erineum Mite		
<i>Hydrachna sp.</i>	Red Water Mite		
<i>Acari sp. (aquatic)</i>	Striped Leg Mite		
<i>Hydrachna sp.</i>	Brown Water Mite		

Vascular Plants

SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME	COMMON NAME
LYCOPODIACEAE	CLUBMOSS FAMILY	TYPHACEAE	CATTAIL FAMILY
<i>Diphasiastrum digitatum</i>	Fan Clubmoss	<i>Typha angustifolia</i>	Narrow-leaved Cattail
<i>Diphasiastrum tristachyum</i>	Ground Cedar	<i>Typha latifolia</i>	Broad-leaved Cattail
<i>Lycopodium clavatum</i>	Running Pine		
<i>Lycopodium obscurum</i>	Ground-pine	SPARGANIACEAE	BUR-REED FAMILY
		<i>Sparganium sp.</i>	Bur-reed sp.
EQUISETACEAE	HORSETAIL FAMILY	<i>Sparganium eurycarpum</i>	Giant Bur-reed
<i>Equisetum arvense</i>	Field Horsetail		
<i>Equisetum hyemale</i>	Common Scouring-rush	NAJADACEAE	NAIAD FAMILY
<i>Equisetum sylvaticum</i>	Woodland Horsetail	<i>Najas flexilis</i>	Bushy Naiad
	ADDERS-TONGUE FAMILY	POTAMOGETONACEAE	PONDWEED FAMILY
OPHIOGLOSSACEAE		<i>Potamogeton pectinatus</i>	Sago Pondweed
<i>Botrychium virginianum</i>	Rattlesnake Fern		
	FLOWERING FERN FAMILY	ALISMATACEAE	WATER-PLANTAIN FAMILY
OSMUNDACEAE		<i>Alisma plantago-aquatica</i>	Water Plantain
<i>Osmunda regalis</i>	Royal Fern	<i>Sagittaria latifolia</i>	Broad-leaved Arrowhead
		<i>Sagittaria rigida</i>	Sessile-fruited Arrowhead
POLYPODIACEAE	FERN FAMILY		
<i>Athyrium filix-femina</i>	Lady Fern	HYDROCHARITACEAE	FROG'S-BIT FAMILY
<i>Dryopteris goldiana</i>	Goldie's Wood Fern	<i>Elodea canadensis</i>	Canada Water-weed
<i>Dryopteris intermedia</i>	Evergreen Wood Fern	<i>Hydrocharis morsus-ranae</i> *	Frog's-bit
<i>Dryopteris marginalis</i>	Marginal Shield Fern		
<i>Dryopteris spinulosa</i>	Spinulose Wood Fern	GRAMINEAE	GRASS FAMILY
<i>Oncoclea sensibilis</i>	Sensitive Fern	<i>Bromus inermis</i> *	Smooth Brome
<i>Polypodium virginianum</i>	Rock Polypody	<i>Calamagrostis canadensis</i>	Canada Bluejoint
<i>Pteridium aquilinum</i>	Bracken Fern	<i>Dactylis glomerata</i> *	Orchard Grass
<i>Thelypteris palustris</i>	Marsh Fern	<i>Danthonia spicata</i>	Poverty Oat-Grass
		<i>Glyceria striata</i>	Fowl Manna Grass
TAXACEAE	YEW FAMILY		
<i>Taxus canadensis</i>	Canada Yew	<i>Oryzopsis asperifolia</i>	White-grained Mountain-Rice
		<i>Panicum virgatum</i>	Old Switch Panic Grass
PINACEAE	PINE FAMILY	<i>Phalaris arundinacea</i>	Reed Canary Grass
<i>Picea glauca</i>	White Spruce	<i>Phleum pratense</i> *	Timothy
<i>Pinus strobus</i>	White Pine	<i>Poa compressa</i> *	Canada Blue Grass
<i>Tsuga canadensis</i>	Eastern Hemlock	<i>Poa palustris</i>	Fowl Bluegrass
		<i>Poa pratensis</i>	Kentucky Blue-Grass
CUPRESSACEAE	CYPRESS FAMILY	<i>Schedonorus pratensis</i>	Meadow Fescue
<i>Juniperus communis</i>	Common Juniper	<i>Schizachne purpurascens</i>	Purple Oat Grass
<i>Juniperus virginiana</i>	Eastern Red Cedar		
<i>Thuja occidentalis</i>	Eastern White Cedar		

<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>
CYPERACEAE	SEDGE FAMILY		PICKEREL-WEED FAMILY
<i>Carex aquatilis</i>	Grant's Sedge	PONTEDERIACEAE	FAMILY
<i>Carex arctata</i>	Black Sedge	<i>Pontederia cordata</i>	Pickereel-weed
<i>Carex bebbii</i>	Bebb's Sedge	<i>Heteranthera dubia</i>	Mud Plantain
<i>Carex blanda</i>	Woodland Sedge		
<i>Carex canescens</i>	White Sedge	JUNCAEAE	RUSH FAMILY
<i>Carex communis</i>	Beech Sedge	<i>Juncus effusus</i>	Soft Rush
<i>Carex crinita</i>	Fringed Sedge	<i>Juncus filiformis</i>	Rush
<i>Carex echinata</i>	Prickly Sedge	<i>Juncus tenuis</i>	Path Rush
<i>Carex gracillima</i>	Graceful Sedge		
<i>Carex granularis</i>	Meadow Sedge	LILIACEAE	LILY FAMILY
<i>Carex hystericina</i>	Pocupine Sedge	<i>Erythronium americanum</i>	Trout-lily, Yellow
<i>Carex intumescens</i>	Bladder Sedge	<i>Maianthemum canadense</i>	Canada Mayflower
<i>Carex lacustris</i>	Lake Sedge	<i>Maianthemum racemosum</i>	False Soloman's Seal
<i>Carex lupulina</i>	Hop Sedge	<i>Polygonatum biflorum</i>	Smooth Solomon's Seal
<i>Carex pensylvanica</i>	Pennsylvania Sedge	<i>Polygonatum pubescens</i>	Hairy Solomon's Seal
<i>Carex plantaginea</i>	Plantain-leaved Sedge	<i>Smilax herbacea</i>	Carrion flower
<i>Carex platyphylla</i>	Broad-leaved Sedge	<i>Smilax tamnoides</i>	Bristly Greenbriar
<i>Carex rosea</i>	Rosy Sedge	<i>Trillium erectum</i>	Red Trillium
<i>Carex scoparia</i>	Pointed Broomsedge	<i>Trillium grandiflorum</i>	White Trillium
<i>Carex stipata</i>	Stalk-grain Sedge	<i>Uvularia grandiflora</i>	Large-flowered Bellwort
<i>Carex stricta</i>	Tussock Sedge		
	Wedge-fruited Oval Sedge	IRIDACEAE	IRIS FAMILY
<i>Carex tenera</i>		<i>Iris versicolor</i>	Blue Flag
<i>Carex vulpinoidea</i>	Fox Sedge	<i>Sisyrinchium mucronatum</i>	Blue-eyed Grass
<i>Eleocharis smallii</i>	Creeping Spike-rush		
<i>Scirpus atrovirens</i>	Blue-stemmed Bulrush	ORCHIDACEAE	ORCHID FAMILY
<i>Scirpus cyperinus</i>	Wool Grass	<i>Epipactis helleborine*</i>	Helleborine
<i>Scirpus fluviatilis</i>	Bulrush		
<i>Scirpus pendulus</i>	Pendulous Bulrush	SALICACEAE	WILLOW FAMILY
		<i>Populus tremuloides</i>	Aspen Poplar
ARACEAE	ARUM FAMILY	<i>Salix amygdaloides</i>	Peach-leaved Willow
<i>Arisaema triphyllum</i>	Jack-in-the -pulpit	<i>Salix bebbiana</i>	Beaked Willow
<i>Calla palustris</i>	Water Arum	<i>Salix discolor</i>	Pussy Willow
		<i>Salix lucida</i>	Shining Willow
LEMNACEAE	DUCKWEED FAMILY	<i>Salix petiolaris</i>	Slender Willow
<i>Lemna minor</i>	Common Duckweed		
<i>Spirodela polyrhiza</i>	Larger Duckweed	MYRICACEAE	BAYBERRY FAMILY
<i>Wolffia columbiana</i>	Watermeal	<i>Myrica gale</i>	Sweet Gale
ERIOCAULACEAE	PIPEWORT FAMILY	JUGLANDACEAE	WALNUT FAMILY
<i>Eriocaulon septangulare</i>	Pipewort	<i>Carya cordiformis</i>	Bitternut Hickory
		<i>Carya ovata</i>	Shagbark Hickory
		<i>Juglans cinerea</i>	Butternut

<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>
BETULACEAE	BIRCH FAMILY	<i>Stellaria longifolia</i>	Long-leaved Chickweed
<i>Alnus incana</i>	Speckled Alder		
<i>Betula lutea</i>	Yellow Birch	CERATOPHYLLACEAE	HORNWORT FAMILY
<i>Betula papyrifera</i>	White Birch	<i>Ceratophyllum demersum</i>	Common Coontail
<i>Carpinus caroliniana</i>	Blue Beech		
<i>Corylus cornuta</i>	Beaked Hazelnut	NYMPHAEACEAE	WATER-LILY FAMILY
		<i>Brasenia schreberi</i>	Water-shield
FAGACEAE	BEECH FAMILY	<i>Nuphar variegatum</i>	Bullhead Lily
<i>Fagus grandifolia</i>	American Beech		Fragrant White Water Lily
<i>Quercus rubra</i>	Red Oak	<i>Nymphaea odorata</i>	
<i>Quercus macrocarpa</i>	Bur Oak		
<i>Quercus alba</i>	White Oak	RANUNCULACEAE	CROWFOOT FAMILY
		<i>Actaea rubra</i>	Red Baneberry
ULMACEAE	ELM FAMILY	<i>Anemone canadensis</i>	Canada Anemone
<i>Ulmus rubra</i>	Red Elm	<i>Anemone cylindrica</i>	Long-fruited Anemone
<i>Ulmus thomasi</i>	Rock Elm	<i>Anemone quinquefolia</i>	Wood Anemone
<i>Ulmus americana</i>	White Elm		Riverbank Anemone (Thimbleweed)
		<i>Anemone virginiana</i>	
URTICACEAE	NETTLE FAMILY	<i>Aquilegia canadensis</i>	Columbine
<i>Boehmeria cylindrica</i>	False Nettle	<i>Clematis virginiana</i>	Virgin's-bower
<i>Urtica dioica</i> *	Stinging Nettle	<i>Hepatica acutiloba</i>	Sharp-lobed Hepatica
		<i>Ranunculus abortivus</i>	Kidney-leaved Buttercup
		<i>Ranunculus acris</i> *	Tall Buttercup
SANTALACEAE	SANDALWOOD FAMILY	<i>Thalictrum dasycarpum</i>	Purple Meadow-rue
<i>Comandra umbellata</i>	Bastard-Toadflax	<i>Thalictrum dioicum</i>	Early Meadow-rue
		<i>Thalictrum pubescens</i>	Tall Meadow-rue
POLYGONACEAE	BUCKWHEAT FAMILY	FUMARIACEAE	FUMITORY FAMILY
<i>Polygonum amphibium</i>	Water Smartweed	<i>Corydalis sempervirens</i>	Pale Corydalis
<i>Polygonum persicaria</i>	Lady's thumb		
	Climbing False Buckwheat	CRUCIFERAE	MUSTARD FAMILY
<i>Polygonum scandens</i>	Buckwheat	<i>Alyssum alyssoides</i>	Yellow Alyssum
<i>Rumex orbiculatus</i>	Great Water Dock	<i>Arabis glabra</i>	Tower Mustard
<i>Rumex acetosella</i> *	Sheep Sorrel	<i>Arabis laevigata</i>	Smooth Rock Cress
<i>Rumex crispus</i> *	Curled Dock	<i>Capsella bursa-pastoris</i> *	Shepherd's-purse
<i>Rumex verticillatus</i>	Water Dock	<i>Erysimum cheiranthodes</i> *	Wormseed Mustard
		<i>Lepidium virginicum</i> *	Wild Peppergrass
CHENOPODIACEAE	GOOSEFOOT FAMILY	<i>Lepidium campestre</i>	Field Peppergrass
<i>Chenopodium album</i> *	Lamb's-Quarters		Dense-flower Peppergrass
		<i>Lepidium densiflorum</i>	
CARYOPHYLLACEAE	PINK FAMILY	<i>Rorippa palustris</i>	Marsh Yellow Cress
<i>Arenaria serpyllifolia</i>	Thyme-leaved Sandwort	<i>Thlaspi arvense</i> *	Field Penny-cress
<i>Cerastium vulgatum</i>	Mouse-ear Chickweed		
<i>Dianthus armeria</i> *	Deptford Pink	SAXIFRAGACEAE	SAXIFRAGE FAMILY
<i>Moehringia lateriflora</i>	Grove Sandwort	<i>Mitella diphylla</i>	Bishop's-cap (Mitrewort)
<i>Stellaria graminea</i>	Lesser Stitchwort		

<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>
<i>Mitella nuda</i>	Naked Mitrewort	<i>Trifolium pratense*</i>	Red Clover
		<i>Trifolium repens*</i>	White Clover
GROSSULARIACEAE	GOOSEBERRY FAMILY	<i>Vicia tetrasperma*</i>	Slender Vetch
<i>Ribes americanum</i>	Black Currant	<i>Vicia cracca*</i>	Cow Vetch
<i>Ribes cynosbati</i>	Prickly Gooseberry		
	Wild Gooseberry	GERANIACEAE	GERANIUM FAMILY
<i>Ribes hirtellum</i>	(Smooth Gooseberry)	<i>Geranium robertianum</i>	Herb-robert
<i>Ribes lacustre</i>	Swamp Gooseberry	<i>Geranium bicknellii</i>	Bicknell's Crane's Bill
ROSACEAE	ROSE FAMILY		WOOD-SORREL FAMILY
<i>Agrimonia gryposepala</i>	Agrimony	OXALIDACEAE	FAMILY
<i>Amelanchier arborea</i>	Downy Serviceberry	<i>Oxalis acetosella</i>	Wood-sorrel
	Round-leaved		European Yellow Wood-sorrel
<i>Amelanchier sanguinea</i>	Serviceberry	<i>Oxalis europea</i>	
<i>Crataegus sp.</i>	Hawthorn		
<i>Fragaria vesca</i>	Wood Strawberry	RUTACEAE	RUE FAMILY
<i>Fragaria virginiana</i>	Common Strawberry	<i>Zanthoxylum americanum</i>	Prickly-Ash
<i>Geum canadense</i>	White Avens		
<i>Malus sp. *</i>	Apple	ANACARDIACEAE	CASHEW FAMILY
<i>Potentilla argentea*</i>	Silvery Cinquefoil	<i>Toxicodendron radicans</i>	Poison Ivy
<i>Potentilla inclinata</i>	Intermediate Cinquefoil	<i>Rhus typhina</i>	Staghorn Sumac
<i>Potentilla norvegica</i>	Rough Cinquefoil		
<i>Potentilla palustris</i>	Marsh Cinquefoil	AQUIFOLIACEAE	HOLLY FAMILY
<i>Potentilla recta*</i>	Sulphur Cinquefoil	<i>Ilex verticillata</i>	Winterberry
<i>Potentilla simplex</i>	Common Cinquefoil		
<i>Prunus pensylvanica</i>	Pin Cherry	CELASTRACEAE	STAFF-TREE FAMILY
<i>Prunus serotina</i>	Black Cherry	<i>Celastrus scandens</i>	Climbing Bittersweet
<i>Prunus virginiana</i>	Choke Cherry		
<i>Rubus allegheniensis</i>	Common Blackberry	ACERACEAE	MAPLE FAMILY
<i>Rubus idaeus</i>	Wild Red Raspberry	<i>Acer nigrum</i>	Black Maple
<i>Rubus occidentalis</i>	Black Raspberry	<i>Acer rubrum</i>	Red Maple
	Purple Flowering	<i>Acer saccharinum</i>	Silver Maple
<i>Rubus odoratus</i>	Raspberry	<i>Acer saccharum</i>	Sugar Maple
<i>Rubus pubescens</i>	Dwarf Raspberry		
<i>Spiraea alba</i>	Meadowsweet		TOUCH-ME-NOT FAMILY
<i>Spiraea tomentosa</i>	Steeple-bush	BALSAMINACEAE	FAMILY
<i>Waldsteinia fragarioides</i>	Barren Strawberry	<i>Impatiens capensis</i>	Spotted Jewelweed
FABACEAE	BEAN FAMILY	VITACEAE	GRAPE FAMILY
<i>Lotus corniculatus*</i>	Bird's-foot Trefoil	<i>Parthenocissus vitacea</i>	Virginia Creeper
<i>Medicago sativa*</i>	Alfalfa	<i>Vitis riparia</i>	Riverbank Grape
<i>Medicago lupulina*</i>	Black Medic		
<i>Melilotus alba*</i>	White Sweet Clover	TILIACEAE	LINDEN FAMILY
<i>Trifolium campestre</i>	Low Hop Clover	<i>Tilia americana</i>	Basswood
<i>Trifolium hybridum*</i>	Alsike Clover		

<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>
	ST. JOHN'S-WORT FAMILY	ERICACEAE	HEATH FAMILY
<i>Hypericum perforatum</i> *	Spotted St. John's-wort	<i>Pyrola elliptica</i>	Shinleaf
<i>Hypericum punctatum</i>	Common St. John's-wort		
<i>Triadenum virginicum</i>	Marsh St. John's-wort	PRIMULACEAE	PRIMROSE FAMILY
		<i>Lysimachia ciliata</i>	Fringed Loosestrife
		<i>Lysimachia thyrsiflora</i>	Yellow Loosestrife
VIOLACEAE	VIOLET FAMILY	<i>Trientalis borealis</i>	Starflower
<i>Viola canadensis</i>	Canada Violet		
<i>Viola cucullata</i>	Marsh Blue Violet	OLEACEAE	OLIVE FAMILY
<i>Viola pubescens</i>	Yellow Violet	<i>Fraxinus americana</i>	White Ash
<i>Viola sororia</i>	Woolly Blue Violet	<i>Fraxinus nigra</i>	Black Ash
		<i>Fraxinus pennsylvanica</i>	Red Ash
LYTHRACEAE	LOOSESTRIFE FAMILY	<i>var. subintegerrima</i>	Green Ash
<i>Decodon verticillatus</i>	Water Willow		
<i>Lythrum salicaria</i> *	Purple Loosestrife	APOCYNACEAE	DOGBANE FAMILY
		<i>Apocynum androsaemifolium</i>	Spreading Dogbane
	EVENING-PRIMROSE FAMILY		
ONAGRACEAE		ASCLEPIADACEAE	MILKWEED FAMILY
<i>Circaea lutetiana</i>	Enchanter's Nightshade	<i>Asclepias incarnata</i>	Swamp Milkweed
	Common Evening Primrose	<i>Asclepias syriaca</i>	Common Milkweed
<i>Oenothera biennis</i>		<i>Cynanchum rossicum</i>	Dog Strangling Vine
	WATER-MILFOIL FAMILY		MORNING-GLORY FAMILY
HALORAGACEAE		CONVOLVULACEAE	
<i>Proserpinaca palustris</i>	Mermaid Weed	<i>Convolvulus sepium</i>	Hedge Bindweed
		<i>Cuscuta gronovii</i>	Swamp Dodder
ARALIACEAE	GINSENG FAMILY		
<i>Aralia nudicaulis</i>	Wild Sarsaparilla	BORAGINACEAE	BORAGE FAMILY
		<i>Echium vulgare</i> *	Viper's Bugloss
UMBELLIFERAE	PARSLEY FAMILY		
<i>Cicuta bulbifera</i>	Bulbous Water Hemlock	VERBENACEAE	VERVAIN FAMILY
<i>Cicuta maculata</i>	Northern Water Hemlock	<i>Verbena hastata</i>	Blue Vervain
<i>Daucus carota</i> *	Wild Carrot		
<i>Osmorrhiza claytoni</i>	Hairy Sweet Cicely	LABIATAE	MINT FAMILY
<i>Sanicula marilandica</i>	Black Snakeroot	<i>Leonurus cardiaca</i> *	Motherwort
<i>Sium suave</i>	Water Parsnip		Cut-leaved Water-horehound
		<i>Lycopus americanus</i>	Tuberous Water-horehound (Bugleweed)
CORNACEAE	DOGWOOD FAMILY	<i>Lycopus uniflorus</i>	Virginia Bugleweed
	Alternate-leaved Dogwood	<i>Lycopus virginicus</i>	
<i>Cornus alternifolia</i>	Silky Dogwood	<i>Mentha arvensis</i>	Field Mint
<i>Cornus obliqua</i>	Bunchberry	<i>Mentha spicata</i>	Spearmint
<i>Cornus canadensis</i>	Grey Dogwood	<i>Nepeta cataria</i> *	Catnip
<i>Cornus racemosa</i>	Round-leaved Dogwood	<i>Origanum vulgare</i> *	Wild Majoram
<i>Cornus rugosa</i>	Red-osier Dogwood		
<i>Cornus stolonifera</i>			

<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>	<u>COMPOSITAE</u>	<u>COMPOSITE FAMILY</u>
<i>Prunella vulgaris</i> *	Heal-all	<i>Achillea millefolium</i>	Yarrow
		<i>Ambrosia artemisiifolia</i>	Common Ragweed
SOLANAEAE	NIGHTSHADE FAMILY	<i>Anaphalis margaritacea</i>	Pearly Everlasting
<i>Solanum dulcamara</i> *	Bittersweet Nightshade	<i>Antennaria neglecta</i>	Field Pussy-toes
		<i>Arctium minus</i> *	Common Burdock
SCROPHULARIACEAE	FIGWORT FAMILY	<i>Aster lanceolatus</i>	Panicled Aster
	Yellow Toadflax (Butter and Eggs)	<i>Aster umbellatus</i>	Flat-topped White Aster
<i>Linaria vulgaris</i> *		<i>Bidens frondosa</i>	Devil's Beggarticks
<i>Verbascum thapsus</i> *	Common Mullein	<i>Carduus acanthoides</i> *	Plumeless Thistle
<i>Veronica arvensis</i>	Corn Speedwell	<i>Chrysanthemum</i>	
<i>Veronica scutellata</i>	Marsh Speedwell	<i>leucanthemum</i> *	Ox-eye Daisy
		<i>Cirsium arvense</i> *	Canada Thistle
OROBANCHACEAE	BROOM-RAPE FAMILY	<i>Cirsium vulgare</i> *	Bull Thistle
<i>Epifagus virginiana</i>	Beech-drops	<i>Conyza canadensis</i>	Horseweed
		<i>Erigeron annuus</i>	Annual (Daisy) Fleabane
PHRYMACEAE	LOPSEED FAMILY	<i>Erigeron philadelphicus</i>	Philadelphia Fleabane
<i>Phryma leptostachya</i>	Lopseed	<i>Eupatorium maculatum</i>	Spotted Joe-pye-weed
		<i>Eupatorium perfoliatum</i>	Boneset
PLANTAGINACEAE	PLANTAIN FAMILY	<i>Eurybia macrophyllus</i>	Large-leaved Aster
<i>Plantago major</i> *	Broad-leaved Plantain	<i>Euthamia graminifolia</i>	Grass-leaved Goldenrod
<i>Plantago rugelii</i> *	Rugel's Plantain	<i>Hieracium aurantiacum</i> *	Orange Hawkweed
		<i>Hieracium caespitosum</i>	Field Hawkweed
RUBIACEAE	MADDER FAMILY	<i>Hieracium gronovii</i>	Hairy Hawkweed
<i>Cephalanthus occidentalis</i>	Buttonbush	<i>Hieracium pilosella</i> *	Mouse-ear Hawkweed
<i>Galium asprellum</i>	Rough Bedstraw	<i>Hieracium piloselloides</i> *	Smooth Hawkweed
<i>Galium circaezans</i>	Wild Licorice	<i>Hieracium praealtum</i>	King Devil
<i>Galium palustre</i>	Marsh Bedstraw	<i>Inula helenium</i> *	Elecampane
<i>Galium trifidum</i>	Small Bedstraw	<i>Lactuca canadensis</i>	Canada (Wild) Lettuce
<i>Galium triflorum</i>	Fragrant Bedstraw	<i>Lapsana communis</i> *	Nipplewort
<i>Galium aparine</i>	Cleavers	<i>Prenanthes alba</i>	White-lettuce
<i>Galium mollugo</i> *	Wild Madder	<i>Prenanthes altissima</i>	Tall White-Lettuce
<i>Mitchella repens</i>	Partidgeberry		Blue-stemmed Goldenrod
		<i>Solidago caesia</i>	Goldenrod
CAPRIFOLIACEAE	HONEYSUCKLE	<i>Solidago canadensis</i>	Canada Goldenrod
<i>Dierroilla lonicera</i>	Bush Honeysuckle	<i>Solidago flexicaulis</i>	Zigzag Goldenrod
<i>Lonicera dioica</i>	Wild Honeysuckle	<i>Solidago juncea</i>	Early Goldenrod
<i>Lonicera tatarica</i> *	Tartarian Honeysuckle	<i>Solidago nemoralis</i>	Gray Goldenrod
<i>Sambucus canadensis</i>	Common Elderberry	<i>Solidago rugosa</i>	Rough Goldenrod
<i>Sambucus racemosa</i>	Red-berried Elder	<i>Symphotrichum</i>	
<i>Viburnum acerifolium</i>	Maple-leaved Viburnum	<i>cordifolius</i>	Heart-leaved Aster
<i>Viburnum lentago</i>	Nannyberry	<i>Symphotrichum</i>	
<i>Viburnum rafinesquianum</i>	Downy Arrow-wood	<i>novae-angliae</i>	New England Aster
		<i>Taraxacum officinale</i> *	Common Dandelion
		<i>Tragopogon dubius</i>	Goat's-beard
		<i>Tragopogon pratensis</i> *	Meadow Goat's-beard

Non-Vascular Plants and Fungi

SCIENTIFIC NAME	COMMON NAME
BRYOPHYTES	MOSSES
<i>Brachythecium sp</i>	Brachythecium Moss
<i>Thuidium sp</i>	Thuidium Moss
<i>Polytrichum sp</i>	Haircap Moss
<i>Ptilium sp</i>	Plume Moss
<i>Sphagnum sp</i>	Peat Moss
<i>Dicranum sp</i>	Dicranium Moss
<i>Leucobryum glaucum</i>	Leucobryum Moss
BRYOPHYTES	LIVERWORTS
	Liverwort
LICHEN	
<i>Cladina sp</i>	Reindeer Lichen
<i>Physcia or Parmelia sp</i>	
<i>Umbelicaria sp</i>	Rock Tripe
FUNGI	
<i>Arthuriomyces peckianus</i>	Orange Berry Rust
<i>Cerina unicolor</i>	Mossy Maze
<i>Ganoderma applanatum</i>	Artist's Conk
<i>Ganoderma tsugae</i>	Hemlock varnish shelf
<i>Gymnosporangium globosum</i>	Hawthorn Rust
<i>Gymnosporangium juniperi-virginianae</i>	Cedar-apple Rust
<i>Polyporus squamosus</i>	Dryad's saddle
<i>Taphrina caerulescens</i>	Oak Leaf Blister
<i>Xylaria polymorpha</i>	Deadman's fingers

Moustache Clubtail by David Bree



Topiary Grass Veneer Moth by Oliver Reichl