

FIELD CHECKLIST OF VASCULAR PLANTS OF THE KOFFLER SCIENTIFIC
RESERVE AT JOKERS HILL
King Township, Regional Municipality of York, Ontario
(second edition, revision 1)

Tubba Babar, C. Sean Blaney, and Peter M. Kotanen*

¹Department of Ecology & Evolutionary Biology
University of Toronto Mississauga
3359 Mississauga Road, Mississauga, ON
Canada L5L 1C6

²Atlantic Canada Conservation Data
Centre, P.O. Box 6416, Sackville NB,
Canada E4L 1G6

*Correspondence author. e-mail: peter.kotanen@utoronto.ca

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; a partial list of contributors may be found in Blaney (1999). Care has been taken to include only species which have been identified with certainty, and numerous experts have assisted with observations and difficult identifications, notably P. Ball and M.T.J. Johnson (University of Toronto), T. Dickinson and J. Bull (Royal Ontario Museum), A. Reznicek (University of Michigan), and W. Wagner (United States National Herbarium). Voucher specimens have been collected for many difficult identifications. Approximately 160 species (indicated by †) are documented by specimens donated to the Royal Ontario Museum / University of Toronto herbarium (TRT); numerous additional species are represented in the Koffler Scientific Reserve on-site herbarium. The phylogenetic classification of ferns and allies follows the Pteridophyte Phylogeny Group (PPG I 2016: Journal of Systematics and Evolution 54, 563-603), classification for gymnosperms is based on Christenhusz et al. 2011 (Phytotaxa 19, 55-70), and classification for angiosperms follows the Angiosperm Phylogeny IV system (APG IV 2016: Botanical Journal of the Linnean Society 181, 1-20). Scientific and English nomenclature follow the Database of Vascular Plants of Canada (VASCAN) (<https://data.canadensys.net/vascan/>); VASCAN or the first edition of this list may be consulted for synonymy.

This list includes all species known to be growing outside of cultivation within the Koffler Scientific Reserve during the observation period. This includes a number of tree species which are questionably established, but nonetheless are widely planted on the property. Also listed are 13 native species found in land adjacent to the Jokers Hill property, but not yet found on the site (scientific name preceded by ***). A total of 639 species and hybrids are listed; 450 taxa listed by VASCAN as native to Ontario (those listed in **bold typeface**) and 189 are considered non-native (listed in regular typeface). Not all listed species still may occur on-site (e.g., American Ginseng – not seen since 2008). Information on any additional species (preferably with photographs or specimens) would be welcomed by the authors.

FERNS AND ALLIES

LYCOPODIALES

Lycopodiaceae

— *Dendrolycopodium dendroideum*
— *Diphasiastrum digitatum*
— *Diphasiastrum tristachyum*
— *Huperzia lucidula*
— *Lycopodium clavatum*

EQUISETALES

Equisetaceae

— *Equisetum arvense*
— *Equisetum fluviatile*
— *Equisetum hyemale*
— *Equisetum pratense*
— *Equisetum scirpoides*
— *Equisetum sylvaticum*
— *Equisetum variegatum*

OPHIOGLOSSALES

Ophioglossaceae

— *Botrychium matricariifolium*
— *Botrychium virginianum*
— *Sceptridium dissectum*
— *Sceptridium multifidum*

OSMUNDALES

Osmundaceae

— *Claytosmunda claytoniana*
— *Osmunda regalis*
— *Osmundastrum cinnamomeum*

POLYPODIALES

Pteridaceae

— *Adiantum pedatum*

Dennstaedtiaceae

— *Dennstaedtia punctilobula*
— *Pteridium aquilinum*

Clubmosses

(Clubmosses)

Round-branched Tree-clubmoss
Southern Ground-cedar
Blue Ground-cedar
Shining Firmoss
Running Clubmoss

Horsetails

(Horsetails)

Field Horsetail
Water Horsetail
Common Scouring-rush
Meadow Horsetail
Dwarf Scouring-rush
Woodland Horsetail
Variegated Horsetail

Adder's-tongues

(Adder's-tongues)

Daisy-leaved Moonwort
Rattlesnake Fern
Cutleaf Grapefern
Leathery Grapefern

Royal Ferns

(Royal Ferns)

Interrupted Fern
Royal Fern
Cinnamon Fern

Leptosporangiate Ferns

(Maidenhair Ferns)

Northern Maidenhair Fern

(Bracken Ferns)

Eastern Hay-scented Fern
Bracken Fern

Cystopteridaceae

— *Cystopteris bulbifera*
— *Cystopteris tenuis*
— *Gymnocarpium dryopteris*

Aspleniaceae

— *Asplenium platyneuron*

Onocleaceae

— *Matteuccia struthiopteris*
— *Onoclea sensibilis*

Athyriaceae

— *Deparia acrostichoides*

Thelypteridaceae

— *Parathelypteris noveboracensis*
— *Phegopteris connectilis*
— *Thelypteris palustris*

Dryopteridaceae

— *Athyrium filix-femina*
— *Dryopteris ×boottii*
— *Dryopteris carthusiana*
— *Dryopteris cristata*
— *Dryopteris goldiana*
— *Dryopteris intermedia*
— *Dryopteris marginalis*
— *Dryopteris ×triploidea*
— *Polystichum acrostichoides*

Polypodiaceae

— *Polypodium virginianum*

GYMNOSPERMS

PINALES

Pinaceae

— *Larix laricina*
— *Picea abies*
— *Picea glauca*
— *Picea pungens*
— *Pinus banksiana*
— *Pinus resinosa*
— *Pinus strobus*
— *Pinus sylvestris*
— *Tsuga canadensis*

CUPRESSALES

Cupressaceae

— *Juniperus communis*
— *Juniperus virginiana*
— *Thuja occidentalis*

Taxaceae

— *Taxus canadensis*

ANGIOSPERMS

MAGNOLIIDS

PIPERALES

Aristolochiaceae

— *Asarum canadense*

MONOCOTS

ALISMATALES

Araceae

— *Arisaema triphyllum*
— *Lemna minor*
— *Spirodela polyrhiza*
— *Wolffia columbiana*

Alismataceae

— *Alisma triviale*
— *Sagittaria latifolia*

Hydrocharitaceae

— *Najas flexilis*

Potamogetonaceae

— *Stuckenia pectinata*

LILIALES

Melanthiaceae

— *Trillium erectum*
— *Trillium grandiflorum*

Colchicaceae

— *Uvularia grandiflora*

Smilacaceae

— *Smilax herbacea*
— *Smilax tamnoides*

(Bladder Ferns)
Bulblet Bladder Fern
Mackay's Brittle Fern
Common Oak Fern

(Spleenworts)
Ebony Spleenwort

(Sensitive Ferns)
Ostrich Fern
Sensitive Fern

(Lady Ferns)
Silvery Spleenwort

(Marsh Ferns)
New York Fern
Northern Beech Fern
Marsh Fern

(Wood Ferns)
Common Lady Fern
Boott's Wood Fern
Spinulose Wood Fern
Crested Wood Fern
Goldie's Wood Fern
Evergreen Wood Fern
Marginal Wood Fern
Triploid Wood Fern
Christmas Fern

(Polypodies)
Rock Polypody

Pines and Spruces

(Pines)
Tamarack
Norway Spruce
White Spruce
Blue Spruce
Jack Pine
Red Pine
Eastern White Pine
Scots Pine
Eastern Hemlock

Cypresses

(Cypresses)
Common Juniper
Eastern Red Cedar
Eastern White Cedar

(Yews)

Canada Yew

Dutchman's-pipes

(Dutchman's-pipes)
Canada Wild-ginger

Alismatids

(Arums)
Jack-in-the-pulpit
Small Duckweed
Greater Duckweed
Columbia Watermeal

(Water-plantains)
Northern Water-plantain
Broad-leaved Arrowhead

(Frog-bits)
Slender Naiad

(Pondweeds)
Sago Pondweed

Lilies

(Bunchflowers)
Red Trillium
White Trillium

(Colchicums)
Large-flowered Bellwort

(Catbriers)
Herbaceous Carrionflower
Bristly Greenbrier

Liliaceae
 ___ *Clintonia borealis*
 ___ *Erythronium americanum*
 ___ *Medeola virginiana*
 ___ *Streptopus lanceolatus*

ASPARAGALES

Orchidaceae
 ___ **Corallorhiza maculata*
 ___ *Corallorhiza trifida*
 ___ *Cypripedium parviflorum*
 ___ *Cypripedium reginae*
 ___ *Epipactis helleborine*
 ___ *Galearis spectabilis*
 ___ *Liparis loeselii*
 ___ **Malaxis monophyllus*
 ___ *Platanthera aquilonis*
 ___ *Spiranthes cernua*

Iridaceae
 ___ *Iris versicolor*
 ___ *Sisyrinchium montanum*

Asphodelaceae
 ___ *Hemerocallis fulva*

Amaryllidaceae
 ___ *Allium tricoccum*

Asparagaceae
 ___ *Asparagus officinalis*
 ___ *Maianthemum canadense*
 ___ *Maianthemum racemosum*
 ___ *Maianthemum stellatum*
 ___ *Polygonatum pubescens*

POALES

Typhaceae
 ___ *Sparganium emersum*
 ___ *Typha angustifolia*
 ___ *Typha latifolia*

Juncaceae
 ___ *Juncus articulatus*
 ___ *Juncus brevicaudatus*
 ___ *Juncus bufonius*
 ___ *Juncus compressus*
 ___ *Juncus dudleyi*
 ___ *Juncus effusus*
 ___ *Juncus nodosus*
 ___ *Juncus tenuis*
 ___ *Juncus torreyi*

Cyperaceae
 ___ *Carex albursina*
 ___ *Carex aquatilis*
 ___ *Carex arctata*
 ___ *Carex aurea*
 ___ **Carex backii*
 ___ *Carex bebbii*
 ___ *Carex blanda*
 ___ *Carex cephalophora*
 ___ *Carex communis*
 ___ *Carex cristatella*
 ___ *Carex deweyana*
 ___ *Carex disperma*
 ___ *Carex flava*
 ___ *Carex gracillima*
 ___ *Carex granularis*
 ___ **Carex hirtifolia*
 ___ *Carex hitchcockiana*
 ___ *Carex hystericina*
 ___ *Carex interior*
 ___ **Carex intumescens*
 ___ *Carex laevivaginata*
 ___ *Carex lasiocarpa*
 ___ *Carex laxiflora*
 ___ *Carex leptalea*
 ___ *Carex leptonevia*
 ___ *Carex lupulina*
 ___ *Carex muehlenbergii*
 ___ *Carex peckii*
 ___ *Carex pedunculata*
 ___ *Carex pennsylvanica*
 ___ *Carex plantaginea*
 ___ *Carex platyphylla*
 ___ **Carex projecta*
 ___ *Carex pseudocyperus*
 ___ *Carex radiata*
 ___ *Carex retrorsa*
 ___ *Carex rosea*
 ___ *Carex scabrata*
 ___ *Carex schweinitzii* * *utriculata*
 ___ *Carex sparganioides*
 ___ *Carex spicata*
 ___ *Carex sprengei*
 ___ *Carex stipata*
 ___ *Carex tonsa*

(Lilies)
 Yellow Clintonia
 Yellow Trout Lily
 Indian Cucumber-root
 Rose Twisted-stalk

Asparagoid Lilies

(Orchids)
 Spotted Coralroot
 Early Coralroot
 Yellow Lady's-slipper
 Showy Lady's-slipper
 Broad-leaved Helleborine
 Showy Orchis
 Loesel's Twayblade
 White Adder's-mouth
 Tall Northern Green Orchid
 Sphinx Ladies'-tresses

(Irises)
 Harlequin Blue Flag
 Strict Blue-eyed Grass

(Asphodels)
 Orange Daylily

(Amaryllises)
 Wild Leek

(Asparaguses)
 Garden Asparagus
 Wild Lily-of-the-valley
 Large False Solomon's Seal
 Star-flowered False Solomon's Seal
 Hairy Solomon's Seal

Grasses & Allies

(Cattails)
 Green-fruited Burreed
 Narrow-leaved Cattail
 Broad-leaved Cattail

(Rushes)
 Jointed Rush
 Short-tailed Rush
 Toad Rush
 Compressed Rush
 Dudley's Rush
 Soft Rush
 Knotted Rush
 Path Rush
 Torrey's Rush

(Sedges)
 White Bear Sedge
 Water Sedge
 Drooping Woodland Sedge
 Golden Sedge
 Back's Sedge
 Bebb's Sedge
 Woodland Sedge
 Oval-leaved Sedge
 Fibrous-root Sedge
 Crested Sedge
 Dewey's Sedge
 Two-seeded Sedge
 Yellow Sedge
 Graceful Sedge
 Limestone Meadow Sedge
 Pubescent Sedge
 Hitchcock's Sedge
 Porcupine Sedge
 Inland Sedge
 Bladder Sedge
 Smooth-sheathed Sedge
 Woolly-fruited Sedge
 Loose-flowered Sedge
 Bristle-stalked Sedge
 Finely-nerved Sedge
 Hop Sedge
 Muhlenberg's Sedge
 Peck's Sedge
 Long-stalked Sedge
 Pennsylvania Sedge
 Plantain-leaved Sedge
 Broad-leaved Sedge
 Necklace Sedge
 Cyperus-like Sedge
 Eastern Star Sedge
 Retrorse Sedge
 Rose Sedge
 Eastern Rough Sedge
 Hybrid Sedge
 Burreed Sedge
 Spiked Sedge
 Sprengel's Sedge
 Awl-fruited Sedge
 Deep-green Sedge

___ *Carex vulpinoidea*
 ___ *Cyperus bipartitus*
 ___ *Cyperus lupulinus*
 ___ *Eleocharis erythropoda*
 ___ *Eleocharis obtusa*
 ___ *Schoenoplectus tabernaemontani*
 ___ *Scirpus atrovirens*
 ___ *Scirpus cyperinus*
 ___ *Scirpus microcarpus*

Poaceae
 ___ *Agrostis gigantea*
 ___ *Agrostis scabra*
 ___ *Agrostis stolonifera*
 ___ *Alopecurus aequalis*
 ___ *Avena sativa*
 ___ **Brachyelytrum erectum* (s.l.)
 ___ *Bromus ciliatus*
 ___ *Bromus inermis*
 ___ *Calamagrostis canadensis*
 ___ *Cinna latifolia*
 ___ *Dactylis glomerata*
 ___ *Danthonia spicata*
 ___ *Dichanthelium acuminatum*
 ___ *Dichanthelium depauperatum*
 ___ *Dichanthelium linearifolium*
 ___ *Digitaria ischaemum*
 ___ *Digitaria sanguinalis*
 ___ *Echinochloa crus-galli*
 ___ *Echinochloa muricata*
 ___ *Elymus repens*
 ___ *Elymus virginicus*
 ___ *Eragrostis minor*
 ___ *Festuca rubra*
 ___ *Festuca subverticillata*
 ___ *Festuca trachyphylla*
 ___ *Glyceria grandis*
 ___ *Glyceria striata*
 ___ *Leersia oryzoides*
 ___ *Lolium arundinaceum*
 ___ *Lolium perenne*
 ___ *Milium effusum*
 ___ *Muhlenbergia mexicana*
 ___ *Oryzopsis asperifolia*
 ___ *Panicum capillare*
 ___ *Phalaris arundinacea*
 ___ *Phleum pratense*
 ___ *Phragmites australis*
 ___ *Poa alsodes*
 ___ *Poa annua*
 ___ *Poa compressa*
 ___ *Poa palustris*
 ___ *Poa pratensis*
 ___ *Schizachne purpurascens*
 ___ *Setaria pumila*
 ___ *Setaria viridis*
 ___ *Sphenopholis intermedia*
 ___ *Sporobolus cryptandrus*
 ___ *Sporobolus neglectus*
 ___ *Sporobolus vaginiflorus*

EUDICOTS

RANUNCULALES

Papaveraceae
 ___ *Chelidonium majus*
 ___ *Dicentra canadensis*
 ___ *Sanguinaria canadensis*

Berberidaceae
 ___ *Berberis thunbergii*
 ___ *Caulophyllum thalictroides*
 ___ *Podophyllum peltatum*

Ranunculaceae
 ___ *Actaea xudovici*
 ___ *Actaea pachypoda*
 ___ *Actaea rubra*
 ___ *Anemone cylindrica*
 ___ *Anemone virginiana*
 ___ *Aquilegia canadensis*
 ___ *Aquilegia vulgaris*
 ___ *Caltha palustris*
 ___ *Clematis virginiana*
 ___ *Coptis trifolia*
 ___ *Hepatica acutiloba*
 ___ *Ranunculus abortivus*
 ___ *Ranunculus acris*
 ___ *Ranunculus recurvatus*
 ___ *Ranunculus sceleratus*
 ___ *Thalictrum dioicum*
 ___ *Thalictrum pubescens*

Fox Sedge
 Shining Flatsedge
 Hop Flatsedge
 Red-stemmed Spikerush
 Blunt Spikerush
 Soft-stemmed Bulrush
 Dark-green Bulrush
 Common Woolly Bulrush
 Red-tinged Bulrush

(Grasses)
 Redtop
 Rough Bentgrass
 Creeping Bentgrass
 Short-awn Foxtail
 Cultivated Oats
 Southern Shorthusk
 Fringed Brome
 Smooth Brome
 Bluejoint Reedgrass
 Drooping Woodreed
 Orchard Grass
 Poverty Oatgrass
 Tapered Panicgrass
 Starved Panicgrass
 Linear-leaved Panicgrass
 Smooth Crabgrass
 Hairy Crabgrass
 Barnyard Grass
 Rough Barnyard Grass
 Quackgrass
 Virginia Wildrye
 Little Lovegrass
 Red Fescue
 Nodding Fescue
 Hard Fescue
 Tall Mannagrass
 Fowl Mannagrass
 Rice Cutgrass
 Tall Ryegrass
 Perennial Ryegrass
 Wood Millet
 Mexican Muhly
 Rough-leaved Mountain-rice
 Common Panicgrass
 Reed Canarygrass
 Common Timothy
 Common Reed
 Grove Bluegrass
 Annual Bluegrass
 Canada Bluegrass
 Fowl Bluegrass
 Kentucky Bluegrass
 Purple False Melic
 Yellow Foxtail
 Green Foxtail
 Slender Wedge Grass
 Sand Dropseed
 Small Dropseed
 Sheathed Dropseed

Poppies, Barberries & Crowfoots

(Poppies)
 Greater Celandine
 Squirrel-corn
 Bloodroot

(Barberries)
 Japanese Barberry
 Blue Cohosh
 May-apple

(Crowfoots)
 Hybrid Baneberry
 White Baneberry
 Red Baneberry
 Long-fruited Anemone
 Tall Anemone
 Red Columbine
 European Columbine
 Yellow Marsh Marigold
 Virginia Clematis
 Goldthread
 Sharp-lobed Hepatica
 Kidney-leaved Buttercup
 Common Buttercup
 Hooked Buttercup
 Cursed Buttercup
 Early Meadow-rue
 Tall Meadow-rue

SUPERROSIDS

SAXIFRAGALES

Hamamelidaceae

— *Hamamelis virginiana*

Grossulariaceae

— *Ribes alpinum*
 — *Ribes americanum*
 — *Ribes cynosbati*
 — *Ribes hirtellum*
 **Ribes lacustre*
 — *Ribes rubrum*
 — *Ribes triste*

Saxifragaceae

— *Chrysosplenium americanum*
 — *Mitella diphylla*
 — *Mitella nuda*
 — *Tiarella cordifolia*

Crassulaceae

— *Hylotelephium telephium*
 — *Sedum acre*

ROSIDS

VITALES

Vitaceae

— *Parthenocissus vitacea*
 — *Vitis riparia*

FABALES

Fabaceae

— *Amphicarpaea bracteata*
 — *Desmodium canadense*
 — *Gleditsia triacanthos*
 — *Hylodesmum glutinosum*
 — *Lotus corniculatus*
 — *Medicago lupulina*
 — *Medicago sativa*
 — *Melilotus albus*
 — *Melilotus officinalis*
 — *Robinia pseudoacacia*
 — *Trifolium campestre*
 — *Trifolium hybridum*
 — *Trifolium pratense*
 — *Trifolium repens*
 — *Vicia cracca*
 — *Vicia sativa*
 — *Vicia tetrasperma*

Polygalaceae

— *Polygaloides paucifolia*

ROSALES

Rosaceae

— *Agrimonia gryposepala*
 — *Amelanchier arborea*
 — *Amelanchier interior*
 — *Amelanchier laevis*
 — *Crataegus chrysoarpa*
 — *Crataegus* sect. *Coccineae*
 — *Crataegus macracantha*
 — *Crataegus monogyna*
 — *Crataegus punctata*
 — *Crataegus submollis*
 — *Crataegus succulenta*
 — *Drymocallis arguta*
 — *Fragaria vesca*
 — *Fragaria virginiana*
 — *Geum aleppicum*
 — *Geum canadense*
 — *Geum fragarioides*
 — *Geum laciniatum*
 — *Geum rivale*
 — *Geum urbanum*
 — *Malus pumila*
 — *Potentilla norvegica*
 — *Potentilla recta*
 — *Prunus nigra*
 — *Prunus pennsylvanica*
 — *Prunus serotina*
 — *Prunus virginiana*
 — *Pyrus communis*
 — *Rosa blanda*
 — *Rosa carolina*
 — *Rosa multiflora*
 — *Rubus allegheniensis*
 — *Rubus idaeus*
 — *Rubus occidentalis*
 — *Rubus odoratus*
 — *Rubus pubescens*
 — *Sorbus aucuparia*

Saxifrages & Allies

(Witch-hazels)

American Witch-hazel

(Currants)

Alpine Currant
 American Black Currant
 Eastern Prickly Gooseberry
 Swamp Gooseberry
 Bristly Black Currant
 European Red Currant
 Swamp Red Currant

(Saxifrages)

American Golden-saxifrage
 Two-leaved Mitrewort
 Naked Mitrewort
 Heart-leaved Foamflower

(Orpines)

Garden Stonecrop
 Mossy Stonecrop

Grapes

(Grapes)

Thicket Creeper
 Riverbank Grape

Legumes & Milkworts

(Legumes)

American Hog-peanut
 Showy Tick Trefoil
 Honey Locust
 Large Tick-trefoil
 Garden Bird's-foot Trefoil
 Black Medick
 Alfalfa
 White Sweet-clover
 Yellow Sweet-clover
 Black Locust
 Low Hop Clover
 Alsike Clover
 Red Clover
 White Clover
 Tufted Vetch
 Common Vetch
 Four-seed Vetch

(Milkworts)

Fringed Milkwort

Roses & Allies

(Roses)

Hooked Agrimony
 Downy Serviceberry
 Inland Serviceberry
 Smooth Serviceberry
 Fireberry Hawthorn
 Hawthorn sp. sect. *Coccineae*
 Large-thorned Hawthorn
 English Hawthorn
 Dotted Hawthorn
 Quebec Hawthorn
 Fleshy Hawthorn
 Tall Wood Beauty
 Woodland Strawberry
 Wild Strawberry
 Yellow Avens
 White Avens
 Barren Strawberry
 Rough Avens
 Water Avens
 Wood Avens
 Common Apple
 Rough Cinquefoil
 Sulphur Cinquefoil
 Canada Plum
 Pin Cherry
 Black Cherry
 Choke Cherry
 Common Pear
 Smooth Rose
 Carolina Rose
 Multiflora Rose
 Allegheny Blackberry
 Red Raspberry
 Black Raspberry
 Purple-flowering Raspberry
 Dwarf Raspberry
 European Mountain-ash

Rhamnaceae

— *Rhamnus cathartica*

Ulmaceae

— *Ulmus americana*

Urticaceae

— *Boehmeria cylindrica*
 — *Laportea canadensis*
 — *Pilea fontana*
 — *Pilea pumila*
 — *Urtica dioica* ssp. *gracilis*

FAGALES

Fagaceae

— *Fagus grandifolia*
 — *Quercus alba*
 — *Quercus macrocarpa*
 — *Quercus rubra*

Juglandaceae

— *Carya cordiformis*
 — *Juglans cinerea*
 — *Juglans nigra*

Betulaceae

— *Betula alleghaniensis*
 — *Betula papyrifera*
 — *Carpinus caroliniana*
 — *Corylus cornuta*
 — *Ostrya virginiana*

CUCURBITALES

Cucurbitaceae

— *Cucurbita* sp.
 — *Echinocystis lobata*

CELASTRALES

Celastraceae

— *Celastrus scandens*
 — *Euonymus alatus*

OXALIDALES

Oxalidaceae

— *Oxalis montana*
 — *Oxalis stricta*

MALPIGHIALES

Hypericaceae

— *Hypericum perforatum*
 — *Hypericum punctatum*

Violaceae

— *Viola arvensis*
 — *Viola blanda*
 — *Viola canadensis*
 — *Viola cucullata*
 — *Viola labradorica*
 — *Viola macloskeyi*
 — *Viola pubescens*
 — *Viola renifolia*
 — *Viola rostrata*
 — *Viola selkirkii*
 — *Viola sororia* (s.l.)

Salicaceae

— *Populus balsamifera*
 — *Populus grandidentata*
 — *Populus tremuloides*
 — *Salix amygdaloides*
 — *Salix bebbiana*
 — *Salix discolor*
 — *Salix eriocephala*
 — *Salix × fragilis*
 — *Salix interior*
 — *Salix lucida*
 — *Salix petiolaris*
 — *Salix serissima*

Euphorbiaceae

— *Acalypha rhomboidea*
 — *Euphorbia glyptosperma*
 — *Euphorbia maculata*
 — *Euphorbia cyparissias*
 — *Euphorbia virgata*

GERANIALES

Geraniaceae

— *Geranium robertianum*

MYRTALES

Lythraceae

— *Lythrum salicaria*

(Buckthorns)

European Buckthorn

(Elms)

White Elm

(Nettles)

Small-spike False Nettle
 Canada Wood Nettle
 Lesser Clearweed
 Dwarf Clearweed
 Stinging Nettle

Beeches, Walnuts & Birches

(Beeches)

American Beech
 White Oak
 Bur Oak
 Northern Red Oak

(Walnuts)

Bitternut Hickory
 Butternut
 Black Walnut

(Birches)

Yellow Birch
 Paper Birch
 Blue Beech
 Beaked Hazelnut
 Eastern Hop-hornbeam

Gourds

(Gourds & Cucumbers)

Domestic Gourd sp.
 Wild Cucumber

Bittersweets

(Bittersweets)

Climbing Bittersweet
 Winged Euonymus

Wood-sorrels

(Wood-sorrels)

White Wood-sorrel
 European Wood-sorrel

Violets & Allies

(St. John's-worts)

Common St. John's-wort
 Spotted St. John's-wort

(Violets)

European Field Pansy
 Sweet White Violet
 Canada Violet
 Marsh Blue Violet
 Labrador Violet
 Macloskey's Violet
 Downy Yellow Violet
 Kidney-leaved Violet
 Long-spurred Violet
 Selkirk's Violet
 Woolly Blue Violet

(Willows)

Balsam Poplar
 Large-toothed Aspen
 Trembling Aspen
 Peach-leaved Willow
 Bebb's Willow
 Pussy Willow
 Cottony Willow
 Hybrid White Willow
 Sandbar Willow
 Shining Willow
 Meadow Willow
 Autumn Willow

(Spurges)

Common Three-seeded Mercury
 Ridge-seeded Spurge
 Spotted Spurge
 Cypress Spurge
 Leafy Spurge

Geraniums

(Geraniums)

Herb-Robert

Loosestrifes & Evening-primroses

(Loosestrifes)

Purple Loosestrife

Onagraceae — <i>Circaea alpina</i> — <i>Circaea canadensis</i> ssp. <i>canadensis</i> — <i>Epilobium ciliatum</i> — <i>Epilobium hirsutum</i> — <i>Epilobium leptophyllum</i> — <i>Epilobium parviflorum</i> — <i>Epilobium strictum</i> — <i>Oenothera biennis</i> — <i>Oenothera parviflora</i> — <i>Oenothera perennis</i> — <i>Oenothera villosa</i> ssp. <i>villosa</i>	(Evening-primroses) Small Enchanter's Nightshade Canada Enchanter's Nightshade Northern Willowherb Hairy Willowherb Linear-leaved Willowherb Small-flowered Hairy Willowherb Downy Willowherb Common Evening-primrose Small-flowered Evening-primrose Perennial Evening-primrose Hairy Evening-primrose	Amaranthaceae — <i>Amaranthus albus</i> — <i>Amaranthus retroflexus</i> — <i>Atriplex patula</i> — Chenopodiaceae — <i>Chenopodium album</i> — <i>Oxybasis glauca</i> — <i>Oxybasis rubra</i>	(Amaranth) White Amaranth Redroot Amaranth Spear Saltbush Maple-leaved Goosefoot Common Lamb's-quarters Oak-leaved Goosefoot Red Goosefoot
SAPINDALES	Sumacs, Maples & Allies	Montiaceae — <i>Claytonia caroliniana</i>	(Water Chickweeds) Carolina Spring Beauty
Anacardiaceae — <i>Rhus typhina</i> — <i>Toxicodendron radicans</i>	(Sumacs) Staghorn Sumac Poison Ivy	Portulacaceae — <i>Portulaca oleracea</i>	(Purslanes) Common Purslane
Sapindaceae — <i>Acer negundo</i> — * <i>Acer nigrum</i> — <i>Acer platanoides</i> — <i>Acer rubrum</i> — <i>Acer saccharinum</i> — <i>Acer saccharum</i> — <i>Acer spicatum</i> — <i>Acer tataricum</i> ssp. <i>ginnala</i>	(Maples & Allies) Manitoba Maple Black Maple Norway Maple Red Maple Silver Maple Sugar Maple Mountain Maple Amur Maple	ASTERIDS	(Dogwoods) Dogwoods
MALVALES	Mallows & Allies	CORNALES	(Dogwoods) Alternate-leaved Dogwood Bunchberry Round-leaved Dogwood Red-osier Dogwood
Malvaceae — <i>Malva neglecta</i> — <i>Tilia americana</i> — <i>Tilia cordata</i>	(Mallows) Common Mallow Basswood Little-leaved Linden	Cornaceae — <i>Cornus alternifolia</i> — <i>Cornus canadensis</i> — <i>Cornus rugosa</i> — <i>Cornus sericea</i>	(Touch-Me-Nots) Spotted Jewelweed
Thymelaeaceae — <i>Dirca palustris</i>	(Mezereums) Eastern Leatherwood	ERICALES	(Primroses) Northern Starflower Fringed Loosestrife
Cistaceae — <i>Lechea intermedia</i>	(Rockroses) Large-pod Pinweed	Balsaminaceae — <i>Impatiens capensis</i>	(Heaths & Allies) (Touch-Me-Nots) Spotted Jewelweed
BRASSICALES	Mustards & Allies	Primulaceae — <i>Lysimachia borealis</i> — <i>Lysimachia ciliata</i>	(Primroses) Northern Starflower Fringed Loosestrife
Cleomaceae — <i>Tarenaya hassleriana</i>	(Spiderflowers) Pink-queen	Ericaceae — <i>Chimaphila umbellata</i> — <i>Gaultheria procumbens</i> — <i>Hyopitys monotropa</i> — <i>Moneses uniflora</i> — <i>Monotropa uniflora</i> — <i>Pyrola americana</i> — <i>Pyrola asarifolia</i> — <i>Pyrola elliptica</i> — <i>Vaccinium angustifolium</i>	(Heaths) Common Pipsissewa Eastern Teaberry Pinesap One-flowered Wintergreen Indian-pipe Round-leaved Pyrola Pink Pyrola Shinleaf Early Lowbush Blueberry
Brassicaceae — <i>Alliaria petiolata</i> — <i>Alyssum alyssoides</i> — <i>Barbarea vulgaris</i> — <i>Camelina microcarpa</i> — <i>Capsella bursa-pastoris</i> — <i>Cardamine diphylla</i> — <i>Cardamine hirsuta</i> — <i>Cardamine pensylvanica</i> — <i>Descurainia sophia</i> — <i>Draba verna</i> — <i>Erysimum cheiranthoides</i> — <i>Hesperis matronalis</i> — <i>Lepidium campestre</i> — <i>Lepidium densiflorum</i> — <i>Nasturtium officinale</i> — <i>Rorippa palustris</i> ssp. <i>hispida</i> — <i>Sinapis arvensis</i> — <i>Sisymbrium officinale</i> — <i>Thlaspi arvense</i> — <i>Turritis glabra</i>	(Mustards) Garlic Mustard Small Alyssum Bitter Wintercress Small-seeded False-flax Common Shepherd's Purse Two-leaved Toothwort Hairy Bittercress Pennsylvania Bittercress Flixweed Spring Draba Wormseed Wallflower Dame's Rocket Field Peppergrass Common Peppergrass Watercress Hispid Marsh Yellowcress Corn Mustard Common Tumble Mustard Field Pennycress Tower Mustard	GENTIANALES	(Bedstraws) Common Bedstraw Northern Bedstraw Wild Licorice Lance-leaved Wild Licorice Smooth Bedstraw Common Marsh Bedstraw Dyer's Bedstraw Three-petalled Bedstraw Three-flowered Bedstraw Yellow Bedstraw Partridge-berry
SUPERASTERIDS	Pinks & Allies	Gentianaceae — <i>Gentiana andrewsii</i> — <i>Gentianopsis crinita</i>	(Gentians) Andrews' Bottle Gentian Greater Fringed Gentian
CARYOPHYLLALES	(Buckwheats) Eurasian Black Bindweed Marshpepper Smartweed Pale Smartweed Spotted Lady's-thumb Leathery Knotweed Prostrate Knotweed Sheep Sorrel Great Water Dock Curl'd Dock Bitter Dock	Apocynaceae — <i>Apocynum androsaemifolium</i> — <i>Apocynum cannabinum</i> — <i>Asclepias incarnata</i> — <i>Asclepias syriaca</i> — <i>Asclepias tuberosa</i> — <i>Vinca minor</i> — <i>Vincetoxicum rossicum</i>	(Milkweeds) Spreading Dogbane Hemp Dogbane Swamp Milkweed Common Milkweed Butterfly Milkweed Lesser Periwinkle European Swallowwort
Polygonaceae — <i>Fallopia convolvulus</i> — <i>Persicaria hydropiper</i> — <i>Persicaria lapathifolia</i> — <i>Persicaria maculosa</i> — Polygonum achoreum — Polygonum aviculare — <i>Rumex acetosella</i> — Rumex britannica — <i>Rumex crispus</i> — <i>Rumex obtusifolius</i>	(Pinks) Thyme-leaved Sandwort Common Mouse-ear Chickweed Deptford Pink Bouncing-bet Sleepy Catchfly White Campion Night-flowering Catchfly Bladder Campion Grass-leaved Starwort Long-leaved Starwort Common Chickweed	BORAGINALES	(Borages) Corn Gromwell Common Hound's-tongue Common Viper's Bugloss Virginia Stickseed Bluntleaf Waterleaf Virginia Waterleaf True Forget-me-not Woodland Forget-me-not
Caryophyllaceae — <i>Arenaria serpyllifolia</i> — <i>Cerastium fontanum</i> — <i>Dianthus armeria</i> — <i>Saponaria officinalis</i> — Silene antirrhina — <i>Silene latifolia</i> — <i>Silene noctiflora</i> — <i>Silene vulgaris</i> — <i>Stellaria graminea</i> — Stellaria longifolia — <i>Stellaria media</i>	(Pinks) Thyme-leaved Sandwort Common Mouse-ear Chickweed Deptford Pink Bouncing-bet Sleepy Catchfly White Campion Night-flowering Catchfly Bladder Campion Grass-leaved Starwort Long-leaved Starwort Common Chickweed	SOLANALES	(Nightshades & Allies) (Bindweeds) Hedge False Bindweed Low False Bindweed Field Bindweed Swamp Dodder
		Convolvulaceae — <i>Calystegia sepium</i> — <i>Calystegia spithamea</i> — <i>Convolvulus arvensis</i> — <i>Cuscuta gronovii</i>	(Nightshades) Clammy Ground-cherry Bittersweet Nightshade Black Nightshade Potato
		Solanaceae — <i>Physalis heterophylla</i> — <i>Solanum dulcamara</i> — <i>Solanum nigrum</i> (s.l.) — <i>Solanum tuberosum</i>	

LAMIALES**Oleaceae**

- *Fraxinus americana*
- *Fraxinus nigra*
- *Fraxinus pennsylvanica*
- *Ligustrum vulgare*
- *Syringa vulgaris*

Plantaginaceae

- *Chaenorhinum minus*
- *Chelone glabra*
- *Gratiola neglecta*
- *Linaria vulgaris*
- *Penstemon digitalis*
- *Plantago major*
- *Plantago lanceolata*
- *Plantago rugelii*
- *Veronica americana*
- *Veronica arvensis*
- *Veronica officinalis*
- *Veronica peregrina* ssp. *peregrina*
- *Veronica serpyllifolia*

Scrophulariaceae

- *Verbascum thapsus*

Verbenaceae

- *Verbena hastata*
- *Verbena stricta*
- *Verbena urticifolia*

Lamiaceae

- *Clinopodium vulgare*
- *Galeopsis tetrahit*
- *Glechoma hederacea*
- *Hedeoma hispida*
- *Lamium amplexicaule*
- *Leonurus cardiaca*
- *Lycopus americanus*
- *Lycopus uniflorus*
- *Mentha canadensis*
- *Mentha* × *piperita*
- *Monarda fistulosa*
- *Nepeta cataria*
- *Origanum vulgare* L.
- *Prunella vulgaris*
- *Scutellaria lateriflora*

Phrymaceae

- *Mimulus ringens*
- *Phryma leptostachya*

Orobanchaceae

- *Epifagus virginiana*

ASTERALES**Campanulaceae**

- *Campanula aparinoides*
- *Campanula persicifolia*
- *Campanula rapunculoides*
- *Lobelia inflata*
- *Lobelia siphilitica*
- *Lobelia spicata*

Asteraceae

- *Achillea borealis*
- *Ageratina altissima*
- *Ambrosia artemisiifolia*
- *Anaphalis margaritacea*
- *Antennaria neglecta*
- *Antennaria parlinii*
- *Arctium lappa*
- *Arctium minus*
- *Artemisia biennis*
- *Artemisia ludoviciana*
- *Bidens cernua*
- *Bidens frondosa*
- *Bidens tripartita* (s.l.)
- *Bidens vulgata*
- *Carduus acanthoides*
- *Carduus nutans*
- *Centaurea jacea*
- *Cichorium intybus*
- *Cirsium arvense*
- *Cirsium vulgare*
- *Crepis capillaris*
- *Erigeron annuus*
- *Erigeron canadensis*
- *Erigeron philadelphicus*
- *Erigeron pulchellus*
- *Erigeron strigosus*
- *Eupatorium perfoliatum*
- *Eurybia macrophylla*
- *Euthamia graminifolia*
- *Eutrochium maculatum*
- *Galinsoga quadriradiata*
- *Inula helenium*
- *Lactuca biennis*

Mints & Allies**(Olives)**

- White Ash**
- Black Ash**
- Red Ash**
- European Privet
- Common Lilac

(Plantains)

- Dwarf Snapdragon
- White Turtlehead**
- Clammy Hedge-hyssop**
- Butter-and-eggs
- Foxglove Beardtongue**
- Common Plantain
- English Plantain
- Rugel's Plantain**
- American Speedwell**
- Corn Speedwell
- Common Speedwell
- Purslane Speedwell
- Thyme-leaved Speedwell

(Figworts)

- Common Mullein

(Vervains)

- Blue Vervain**
- Hoary Vervain**
- White Vervain**

(Mints)

- Wild Basil**
- Common Hemp-nettle
- Ground-ivy
- Rough False Pennyroyal**
- Common Dead-nettle
- Common Motherwort
- American Water-horehound**
- Northern Water-horehound**
- Canada Mint**
- Peppermint
- Wild Bergamot**
- Catnip
- Wild Marjoram
- Common Self-heal**
- Mad-dog Skullcap**

(Lopseeds)

- Square-stemmed Monkeyflower**
- Lopseed**

(Broomrapes)

- Beechdrops**

Asters & Bellflowers**(Bellflowers)**

- Marsh Bellflower**
- Peach-leaved Bellflower
- Common Bellflower
- Indian-tobacco**
- Great Blue Lobelia**
- Pale-spiked Lobelia**

(Asters)

- Common Yarrow**
- Common White Snakeroot**
- Common Ragweed**
- Pearly Everlasting**
- Field Pussytoes**
- Parlin's Pussytoes**
- Great Burdock
- Common Burdock
- Biennial Wormwood
- Silver Wormwood
- Nodding Beggarticks**
- Devil's Beggarticks**
- Three-parted Beggarticks**
- Tall Beggarticks**
- Plumeless Thistle
- Nodding Thistle
- Brown Knapweed
- Wild Chicory
- Canada Thistle
- Bull Thistle
- Smooth Hawksbeard
- Annual Fleabane**
- Canada Horseweed**
- Philadelphia Fleabane**
- Robin's-plantain Fleabane**
- Rough Fleabane**
- Common Boneset**
- Large-leaved Aster**
- Grass-leaved Goldenrod**
- Spotted Joe Pye Weed**
- Hairy Galinsoga
- Elecampane
- Tall Blue Lettuce**

— *Lactuca canadensis*

- *Lactuca serriola*
- *Lapsana communis*
- *Leucanthemum vulgare*
- *Matricaria discoidea*
- ***Nabulus altissimus***
- ***Packera aurea***
- *Pilosella aurantiaca*
- *Pilosella caespitosa*
- *Pilosella officinarum*
- *Pilosella piloselloides*
- ***Pseudognaphalium obtusifolium***
- ***Rudbeckia hirta***
- *Rudbeckia triloba*
- *Senecio viscosus*
- *Senecio vulgaris*
- ***Solidago altissima***
- ****Solidago arguta***
- ***Solidago caesia***
- ***Solidago canadensis***
- ***Solidago flexicaulis***
- ***Solidago gigantea***
- ***Solidago nemoralis***
- ***Solidago rugosa***
- ***Solidago uliginosa***
- *Sonchus arvensis*
- *Sonchus asper*
- *Sonchus oleraceus*
- ***Symphotrichum* × *amethystinum***
- ***Symphotrichum cordifolium***
- ***Symphotrichum ericoides***
- ***Symphotrichum lanceolatum***
- ***Symphotrichum lateriflorum***
- ***Symphotrichum novae-angliae***
- ***Symphotrichum oolentangiense***
- ***Symphotrichum pilosum***
- ***Symphotrichum puniceum***
- ***Symphotrichum urophyllum***
- *Tanacetum vulgare*
- *Taraxacum erythrospermum*
- *Taraxacum officinale*
- *Taraxacum palustre* (s.l.)
- *Tragopogon dubius*
- *Tragopogon pratensis*
- *Tussilago farfara*

DIPSACALES**Adoxaceae**

- ***Sambucus canadensis***
- ***Sambucus racemosa***
- ***Viburnum acerifolium***
- *Viburnum lantana*
- ***Viburnum lantanoides***
- ***Viburnum lentago***
- ***Viburnum nudum* var. *cassinoides***
- *Viburnum opulus* var. *opulus*
- ****Viburnum opulus* var. *americanum***

Caprifoliaceae

- ***Diervilla lonicera***
- *Dipsacus fullonum*
- ***Linnaea borealis***
- *Lonicera* × *bella*
- ***Lonicera canadensis***
- ***Lonicera dioica***
- ***Lonicera hirsuta***
- *Lonicera tatarica*
- ***Symphoricarpos albus***
- ***Triosteum aurantiacum***
- *Valeriana officinalis*

APIALES**Araliaceae**

- ***Aralia nudicaulis***
- ***Aralia racemosa***
- ***Panax quinquefolius***

Apiaceae

- ***Cryptotaenia canadensis***
- *Daucus carota*
- ***Hydrocotyle americana***
- ***Osmorhiza claytonii***
- ***Sanicula marilandica***
- ****Sium suave***

Canada Lettuce

- Prickly Lettuce
- Common Nipplewort
- Oxeye Daisy
- Pineappleweed
- Tall Rattlesnakeroot**
- Golden Groundsel**
- Orange Hawkweed
- Meadow Hawkweed
- Mouse-ear Hawkweed
- Tall Hawkweed
- Fragrant Cudweed**
- Black-eyed Susan**
- Brown-eyed Susan
- Sticky Ragwort
- Common Ragwort
- Tall Goldenrod**
- Cut-leaved Goldenrod**
- Blue-stemmed Goldenrod**
- Canada Goldenrod**
- Zigzag Goldenrod**
- Giant Goldenrod**
- Gray-stemmed Goldenrod**
- Rough-stemmed Goldenrod**
- Bog Goldenrod**
- Field Sow-thistle
- Prickly Sow-thistle
- Annual Sow-thistle
- Amethyst Aster**
- Heart-leaved Aster**
- White Heath Aster**
- White Panicked Aster**
- Calico Aster**
- New England Aster**
- Sky-blue Aster**
- Old Field Aster**
- Purple-stemmed Aster**
- Arrow-leaved Aster**
- Common Tansy
- Red-seeded Dandelion
- Common Dandelion
- Marsh Dandelion
- Yellow Goatsbeard
- Meadow Goatsbeard
- Coltsfoot

Honeysuckles & Moschatels**(Moschatels)**

- Common Elderberry**
- Red Elderberry**
- Maple-leaved Viburnum**
- Wayfaring Viburnum
- Hobblebush**
- Nannyberry**
- Wild Raisin**
- Cranberry Viburnum
- Highbush Cranberry**

(Honeysuckles)

- Northern Bush-honeysuckle**
- Common Teasel
- Twinflower**
- Bell's Honeysuckle
- Canada Fly Honeysuckle**
- Limber Honeysuckle**
- Hairy Honeysuckle**
- Tartarian Honeysuckle
- Thin-leaved Snowberry**
- Orange-fruited Horse-gentian**
- Common Valerian

Carrots & Ginsengs**(Ginsengs)**

- Wild Sarsaparilla**
- American Spikenard**
- American Ginseng**

(Carrots)

- Canada Honewort**
- Wild Carrot
- American Water-pennywort**
- Hairy Sweet Cicely**
- Maryland Sanicle**
- Common Water-parsnip**