

Vascular Plant Survey

Voyageurs National Park

Prepared for: The Great Lakes Network Inventory and Monitoring Program

Prepared by: Allan Harris
Robert Foster



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Abstract

In 2003 we conducted surveys for vascular plant species in Voyageurs National Park. Twenty new plant species were discovered for the park and the status for two others was revised.

We estimate that 72% to 81% of the “potential flora” (plant species known to occur in the park plus those expected to occur) is known from the park. This is a slight increase from the 71% – 79% previously estimated.

Georeferenced locations of new and significant species are provided, as is a revised checklist of the vascular plants of Voyageurs National Park.

Introduction

Harris and Foster (2003) estimated the “potential flora” (plant species known to occur in the park plus those expected to occur) of Voyageurs National Park at 934 to 1045 species, of which 740 were satisfactorily reported from the park.

The National Park Service’s goal is to verify >90% of all plants expected to occur in the park area. In 2003, the Great Lakes Network Inventory and Monitoring Program funded fieldwork to increase the proportion of known species.

Methods

We checked fens, cliffs, prairie-like openings, shorelines and roadsides for plant species expected to occur in Voyageurs National Park based on Harris and Foster (2003). Fieldwork was completed June 23 – 25, July 22 – 24 and August 13 – 15 2003. A map of sampling locations is shown in Figure 1.

Voucher specimens of most species were collected for the Voyageurs National Park herbarium.

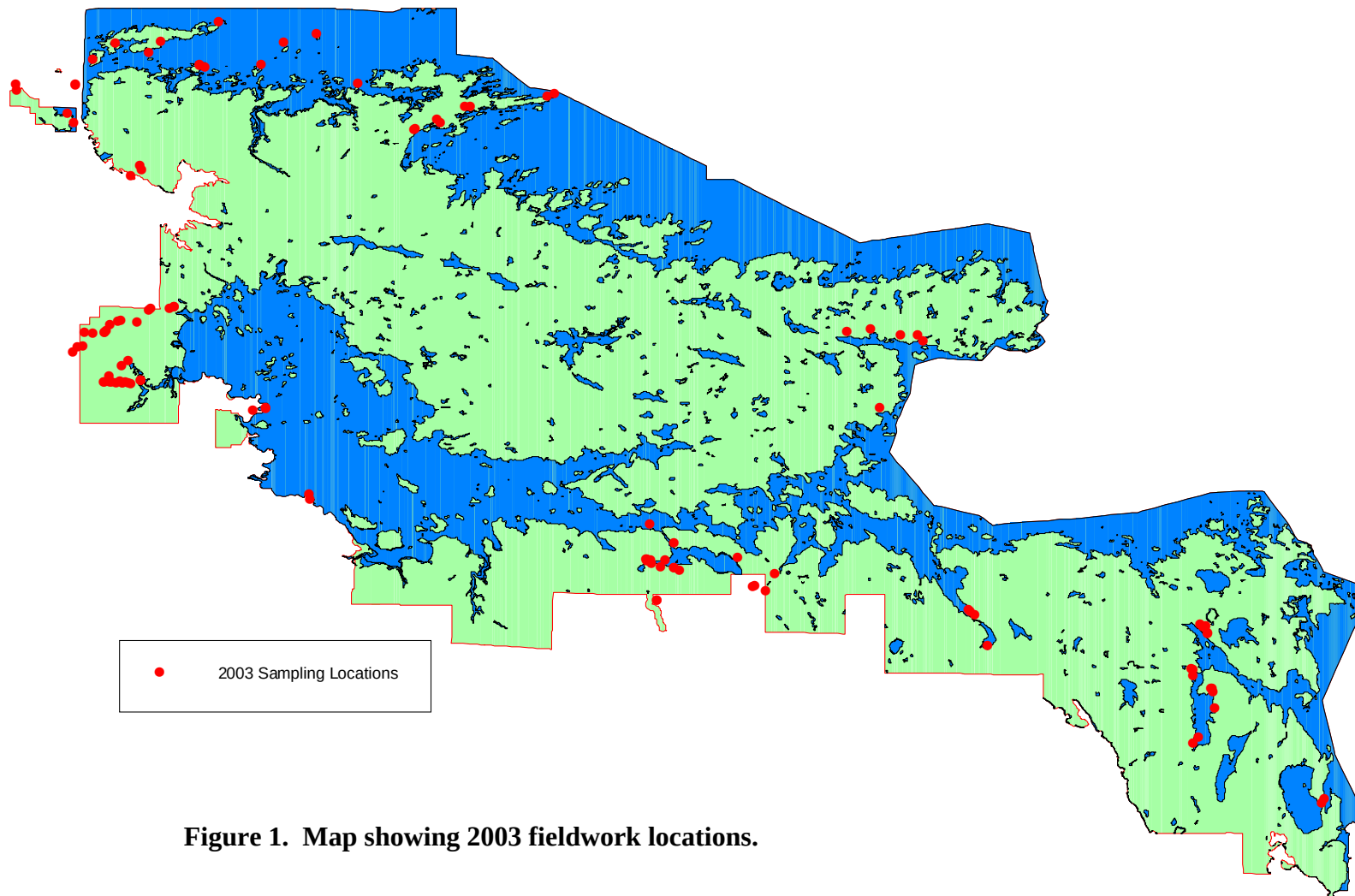


Figure 1. Map showing 2003 fieldwork locations.



Figure 2. *Calopogon tuberosa* discovered in 2003 in fen at Tom Cod Bay.



Figure 3. Cliff habitat at Brown Bay.

Results and Discussion

New Plants for Voyageurs National Park

The following is an annotated list of plant species new for Voyageurs National Park. Table 1 summarizes changes in status of the plant species. Locations are provided in Appendix 1.

Meadow Foxtail

Alopecurus pratensis

This exotic grass was collected in a roadside ditch near the Rainy Lake Visitors Centre.

Tuberous Grasspink

Calopogon tuberosus

A single individual of this orchid was discovered in the treed fen at the west end of Tom Cod Bay (Figure 2). It is relatively widespread in Minnesota, but apparently confined to rich fen habitats (Ownbey and Morley 1991).

Northern Bog Sedge

Carex gynocrates

Northern bog sedge was discovered in the fen at the west end of Tom Cod Bay. It is known from other peatlands in northern Minnesota (Wright et al. 1992).

Woolly Sedge

Carex pellita

Woolly sedge was discovered at a beach on north side of Saginaw Bay, Rainy Lake and on the south side of Sullivan Bay, Namakan Lake. It is widespread and relatively common in Minnesota (Ownbey and Morley 1991) and adjacent Ontario. This species is sometimes known as *Carex lanuginosa*.

Showy Ticktrefoil

Desmodium canadense

A population of about 40 non-flowering plants of showy ticktrefoil was discovered on a shoreline at the southeast side of island at mouth of Dove Bay. This is a prairie species apparently not previously reported from Koochiching or St. Louis counties (Ownbey and Morley 1991), but known from the Rainy River in Ontario.

Elliptic Spikerush

Eleocharis elliptica

Elliptic spikerush was discovered in the fen at the west end of Tom Cod Bay. It is widespread in peatlands in nearby Ontario, but apparently uncommon in northern Minnesota (Ownbey and Morley 1991).

White Bedstraw

Galium mollugo

White bedstraw was collected on a roadside near the Rainy Lake Visitors Centre. This native to Europe is a recent addition to the flora of Minnesota. It was first collected in St. Louis County in 2000 (Cholewa 2002).

Orange Hawkweed

Hieracium aurantiacum

This weed is common on roadsides near Kabetogama Visitor Centre and elsewhere in the park.

Grassleaf Mudplantain

Heteranthera dubia

This submergent plant was discovered at Dove Bay where it is abundant. Grassleaf mudplantain is easily confused with pondweed species and probably more widespread on Rainy Lake.

Inland Rush

Juncus interior

Inland rush was discovered at four locations on Rainy Lake and two on Sandpoint Lake. This species is easily confused with *J. dudleyi*. It is widely distributed in Minnesota, including the Lake of the Woods to Rainy Lake area (Ownbey and Morley 1991).

Black Medick

Medicago lupulina

This exotic clover is apparently well established on roadsides in the park. It was collected on a roadside near Rainy Lake Visitors Centre.

Farwell's Watermilfoil

Myriophyllum farwellii

This submergent plant was discovered in Nett Lake. It is widespread, but uncommon in northern Minnesota and adjacent Ontario (Ownbey and Morley 1991).

Yellow Pond Lily

Nuphar rubrodisca

This species was collected at Deep Slu, Namakan Lake in 2002. *Nuphar rubrodisca* is sometimes considered a subspecies of the common *Nuphar variegatum*, but recognized as a full species by FNA (1997).

Pellitory

Parietaria pensylvanica

Pellitory was discovered on a southwest facing cliff on the north side of Grassy Bay, Sandpoint Lake. Although not mapped in northern Minnesota in Ownbey and Morley (1991), it is known from nearby locations in Ontario.

Snakemouth Orchid

Pogonia ophioglossoides

A small population of this orchid was discovered at the fen at the west end of Tom Cod Bay. It is relatively widespread in northern Minnesota, but apparently confined to rich fen habitats (Ownbey and Morley 1991).

Sulphur Cinquefoil

Potentilla recta

This exotic species was discovered on a roadside near Rainy Lake Visitors Centre.

Celeryleaf Buttercup

Ranunculus sceleratus

This species was discovered on a muddy shore on the north side of Black Bay. Its preferred habitat, exposed shoreline, was abundant in 2003 due to low water levels on Rainy Lake.

Northern Dwarf Raspberry

Rubus acaulis

Northern dwarf raspberry is relatively common in the fen and black spruce swamp at the west end of Tom Cod Bay. It is widespread in northern Minnesota and adjacent Ontario (Ownbey and Morley 1991).

Lesser Spikemoss

Selaginella densa

Lesser spikemoss was discovered on a dry rock outcrop at Makinon Point, on the south side of Dryweed Island, Rainy Lake. This apparently represents the first record of this species for Minnesota (Cholewa 2002). Identification needs to be confirmed.

Clustered Burreed

Sparganium glomeratum

Clustered burreed was discovered in a black ash swamp along the snowmobile trail at the west end of Tom Cod Bay. This record apparently represents a northwest extension of its Minnesota range (Coffin and Pfannmuller 1988). Clustered burreed is on the Minnesota Special Concern list (DNR 2003).

Table 1. New vascular plant species (and changes in status) for Voyageurs National Park. Refer to Table 2 for status codes.

Species	Former Status	New Status	Notes
<i>Carex gynocrates</i>	2	1	Collection 2003
<i>Carex pellita</i>	2	1	Collection 2003. Synonymous with <i>Carex lanuginosa</i>
<i>Calopogon tuberosus</i>	2	1	Sight record 2003
<i>Pogonia ophioglossoides</i>	2	1	Collection 2003
<i>Alopecurus pratensis</i>	3	1	Collection 2003
<i>Juncus interior</i>	2	1	Collection 2003
<i>Hieracium aurantiacum</i>	3	1	Collection 2003
<i>Sparganium glomeratum</i>	8	1	Collection 2003
<i>Selaginella densa</i>	-	1	Collection 2003. Identification needs to be verified.
<i>Ranunculus sceleratus</i>	-	1	Collection 2003
<i>Potentilla recta</i>	3	1	Collection 2003
<i>Rubus acaulis</i>	2	1	Collection 2003
<i>Parietaria pensylvanica</i>	8	1	Collection 2003
<i>Dalea purpurea</i> Vent. var <i>purpurea</i>	6	2	Collection 2003 - just outside park boundary
<i>Medicago lupulina</i>	3	1	Collection 2003
<i>Desmodium canadense</i>	-	1	Collection 2003
<i>Eleocharis elliptica</i>	2	1	Collection 2003
<i>Heteranthera dubia</i>	2	1	Collection 2003
<i>Myriophyllum farwellii</i>	2	1	Collection 2003
<i>Galium mollugo</i>	-	1	Collection 2003
<i>Nuphar rubrodisca</i>	5	1	Collection 2002. Treated as full species in FNA (1997).
<i>Carex angustior</i>	1	5	Synonymous with <i>Carex echinata</i> ssp <i>echinata</i>

Other Species

Violet Prairie Clover (*Dalea purpurea*; also known as *Petalostemon purpurea*) was discovered in a roadside ditch at the turnoff to Rainy Lake Visitors Centre, 200 m outside the park boundary.

Locations for Vasey's pondweed (*Potamogeton vaseyi*) (Special Concern, DNR 2003), American shore plantain (*Littorella uniflora* var. *americana*) (Special Concern, DNR 2003), and pigmyweed (*Crassula aquatica*) (Threatened, DNR 2003) are provided in Appendix 1. These species were previously known from the park.

Also of interest, a Threatened (DNR 2003) tiger beetle species (*Cicindela denikei*) was seen on a rocky shoreline at Junction Bay, Namakan Lake. It is relatively common in adjacent Ontario (Harris et al. 2002), but is endemic to the area west of Lake Superior (Coffin and Pfannmuller 1988).

Potential Flora

A revised estimate of the “potential flora” (plant species known to occur in the park plus those expected to occur) is shown in Table 3. Each species was coded by its probability of occurring in Voyageurs National Park (Table 2).

Table 2. Plant status codes (Harris and Foster 2003).

1	Satisfactorily reported for VOYA;
2	Native species reported from surrounding area with a strong probability of occurring in VOYA;
3	Exotic reported from surrounding area – potentially present or with a reasonable probability of invading the park;
4	Exotic reported from surrounding area, but non-invasive (localized garden escapes, etc.);
5	Reported for VOYA, but taxonomic difficulties (including hybrids and subspecies);
6	Reported for VOYA, but record is dubious;
7	Occurs in adjacent area, but habitat is limited in VOYA; and
8	Occurs as an outlier or at the periphery of its range in the area with small chance of occurring in VOYA.

Table 3. Potential flora of Voyageurs National Park. Previous numbers reported in Harris and Foster (2003) are in parentheses.

Code	Status	# Species
1	Satisfactorily reported	758 (740)
2	Surrounding native	161 (168)
3	Invasive exotic	22 (26)
4	Non-invasive exotic	22 (22)
5	Taxonomic difficulties	72 (69)
6	Dubious record	8 (9)
7	Limited habitat	0 (0)
8	Outlier	87 (89)

A total of 758 vascular plant species is satisfactorily documented from Voyageurs National Park (Table 3). A conservative estimate of the potential flora for Voyageurs National Park is 941 species (Code 1 + Code 2 + Code 3 species). A more liberal estimate, which also includes the non-invasive exotic species and outlier species, is 1050

species (Code 1 + Code 2 + Code 3 + Code 4 + Code 8 species). According to these estimates, 72% to 81% of the potential flora is known from the park. This is a slight increase from the 71% – 79% estimated by Harris and Foster (2003).

A revised species list for Voyageurs National Park is presented in Appendix 2.

Recommendations

1. Further effort is needed to search the peatland at Tom Cod Bay for rich fen species. A number of these species are known from nearby fens in Minnesota and Ontario including *Carex exilis*, *Carex vaginata*, *Cladium mariscoides*, *Drosera anglica*, *Drosera intermedia*, *Drosera linearis*, *Eriophorum (Trichophorum) alpinum*, *Juncus stygius* ssp *americanus*, *Lycopodium selago*, *Rhynchospora alba*, *Rhynchospora fusca*, *Tofieldia glutinosa*, *Trichophorum caespitosum*, and *Xyris montana*. Suitable habitat is present in the peatland, particularly at the western boundary of the park.
2. Continue inventory for submergents, shoreline species, and prairie species.
3. Standardize vascular plant nomenclature using the USDA PLANTS Database (USDA, NRCS. 2002) or other widely accepted standard. This will bring the Voyageurs plant list up to date and facilitate comparisons with other parks.

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Appendix 1. Locations for new and significant plant species in Voyageurs National Park.

Species	UTM Zone	UTM Easting	UTM Northing	Location	Notes
<i>Alopecurus pratensis</i>	15	485902.2408	5382230.866	Roadside near Rainy Lake Visitors Centre	
<i>Calopogon tuberosus</i>	15	489930.1072	5370414.336	Fen at west end of Tom Cod Bay	Single plant
<i>Carex gynocrates</i>	15	490108.2341	5370461.51	Fen at west end of Tom Cod Bay	Locally common
<i>Carex pellita</i>	15	503054.8129	5380919.088	Beach on north side of Saginaw Bay, Rainy Lake	Sight record
<i>Carex pellita</i>	15	511580.1429	5363240.708	South side of Sullivan Bay, Namakan Lake	Common
<i>Crassula aquatica</i> *	15	491733.70	5382752.50	Dove Bay, Rainy Lake	
<i>Crassula aquatica</i> *	15	533956.6744	5360535.942	North side of Grassy Bay, Sandpoint Lake	Sight record
<i>Dalea purpurea</i>	15	502062.6586	5380683.074	Roadside ditch at turnoff to Rainy Lake Visitors Centre	Outside park, 200 m north of boundary
<i>Desmodium canadense</i>	15	493313.6502	5383265.35	Southeast side of island at mouth of Dove Bay	40+ plants on shoreline
<i>Eleocharis elliptica</i>	15	489535.2934	5372539.733	Fen at west end of Tom Cod Bay	
<i>Galium mollugo</i>	15	485902.2408	5382230.866	Roadside near Rainy Lake Visitors Centre	
<i>Hieracium aurantiacum</i>	15	497773.0885	5365704.017	Weedy roadside near Kabetogama Visitor Centre	Common
<i>Heteranthera dubia</i>	15	491733.70	5382752.50	Dove Bay, Rainy Lake	Common in 50 to 150 cm of water
<i>Juncus interior</i>	15	498141.1249	5384738.909	Small island north of Steamboat Island, Rainy Lake	Rock outcrop. Sight record.
<i>Juncus interior</i>	15	502062.6586	5380683.074	North shore of Saginaw Bay, Rainy Lake	South facing bedrock shore. Sight record
<i>Juncus interior</i>	15	533956.6744	5360535.942	North side of Grassy Bay,	Sight record

Species	UTM Zone	UTM Easting	UTM Northing	Location	Notes
				Sandpoint Lake	
<i>Juncus interior</i>	15	534046.6751	5360567.48	North side of Grassy Bay, Sandpoint Lake	Sight record
<i>Juncus interior</i>	15	489906.9614	5384137.657	Makinon Point, south side of Dryweed Island	50 culms in cracks in bedrock
<i>Juncus interior</i>	15	495825.6322	5383298.472		
<i>Littorella uniflora</i> var. <i>americana</i> **	15	507409.7772	5382031.308	South side of Soldier Point, Rainy Lake	Abundant on exposed moist sand
<i>Littorella uniflora</i> var. <i>americana</i> **	15	503054.8129	5380919.088	Beach on north side of Saginaw Bay, Rainy Lake	
<i>Littorella uniflora</i> var. <i>americana</i> **	15	504284.9346	5381586.853	Bay on north side of Saginaw Bay, Rainy Lake	
<i>Littorella uniflora</i> var. <i>americana</i> **	15	507678.3564	5382148.458	South side of Soldier Point, Rainy Lake	
<i>Medicago lupulina</i>	15	485902.2408	5382230.866	Roadside near Rainy Lake Visitors Centre	
<i>Myriophyllum farwellii</i>	15	524697.4907	5361025.988	Nett Lake	
<i>Nuphar rubrodisca</i>	15	527728.0000	5364090.000	Deep Slu, Namakan Lake	
<i>Parietaria pensylvanica</i>	15	534126.926	5360223.891	Cliff on north side of Grassy Bay, Sandpoint Lake	Southwest facing granite cliff
<i>Pogonia ophioglossoides</i>	15	488663.5298	5372451.664	Fen at west end of Tom Cod Bay	Flower not yet open
<i>Potamogeton vaseyi</i> **	15	534260.2213	5358034.429	East side of Brown Bay, Sandpoint Lake	Sight record
<i>Potentilla recta</i>	15	485902.2408	5382230.866	Roadside near Rainy Lake Visitors Centre	
<i>Ranunculus scleratus</i>	15	491690.4771	5378611.215	North shore of Black Bay, Rainy Lake	Peaty shoreline exposed by low water level
<i>Rubus acaulis</i>	15	489648.6407	5370676.521	Fen at west end of Tom Cod Bay	Common
<i>Rubus acaulis</i>	15	489535.2934	5372539.733	Fen at west end of Tom Cod Bay	Common
<i>Selaginella densa</i>	15	489906.9614	5384137.657	Makinon Point, south side of	

Species	UTM Zone	UTM Easting	UTM Northing	Location	Notes
				Dryweed Island, Rainy Lake	
<i>Sparganium glomeratum</i>	15	490017.8275	5372901.03	West end of Tom Cod Bay	Black ash swamp on trail along uplands
<i>Cicindela denikei</i> (tiger beetle) *	15	512518.7429	5363956.74	Exit to Junction Bay, Namkan Lake	Dry rocky shoreline

* Threatened, DNR 2003

** Special Concern, DNR 2003

Appendix 2. Revised vascular plant list for Voyageurs National Park.

Updated from Harris and Foster 2003. Taxonomy and nomenclature generally follow Gleason and Cronquist (1991) and USDA, NRCS (2002). The status of *Selaginella densa* is pending confirmation of identification. Voucher specimens were collected for species marked *.

FAMILY LYCOPODIACEAE

Lycopodiella inundata (L.) Holub
Lycopodium annotinum L.
Lycopodium clavatum L.
Lycopodium complanatum L.
Lycopodium dendroideum Michx.
Lycopodium lucidulum Michx.
Lycopodium obscurum L.

FAMILY SELAGINELLACEAE

* *Selaginella densa* Rydb.
Selaginella rupestris (L.) Spring

FAMILY ISOETACEAE

* *Isoetes lacustris* L.

FAMILY EQUISETACEAE

Equisetum arvense L.
Equisetum fluviatile L.
Equisetum hyemale L.
Equisetum palustre L.
Equisetum pratense Ehrh.
Equisetum scirpoides Michx.
Equisetum sylvaticum L.
Equisetum variegatum Schleich. ex Fried., Weber & Mohr

FAMILY OPHIOGLOSSACEAE

Botrychium multifidum (S.G. Gmel.) Rupr.
Botrychium virginianum (L.) Swartz

FAMILY OSMUNDACEAE

Osmunda cinnamomea L.
Osmunda claytoniana L.

FAMILY DENNSTAEDTIACEAE

Pteridium aquilinum (L.) Kuhn

Clubmoss Family

Inundated Club Moss
Stiff Club Moss
Common Club Moss
Ground-Cedar
Tree Ground Pine
Shining Club Moss
Ground Pine

Selaginella Family

Lesser Spikemoss
Northern Selaginella

Quillwort Family

Lake Quillwort

Horsetail Family

Field Horsetail
Water Horsetail
Scouring Horsetail
Marsh Horsetail
Meadow Horsetail
Dwarf Scouringrush
Woodland Horsetail
Variegated Scouringrush

Adder's Tongue Family

Leathery Grapefern
Rattlesnake Fern

Royal Fern Family

Cinnamon Fern
Interrupted Fern

Bracken Fern Family

Bracken

FAMILY THELYPTERIDACEAE

Phegopteris connectilis (Michx.) Watt

Thelypteris palustris Schott

FAMILY DRYOPTERIDACEAE

Athyrium filix-femina (L.) Roth ex Mert.

Cystopteris bulbifera (L.) Bernh.

Cystopteris fragilis (L.) Bernh.

Dryopteris campyloptera Clarkson

Dryopteris carthusiana (Vill.) H.P. Fuchs

Dryopteris cristata (L.) A. Gray

Dryopteris fragrans (L.) Schott

* *Gymnocarpium dryopteris* (L.) Newman

Gymnocarpium robertianum (Hoffm.) Newman

Matteuccia struthiopteris (L.) Tod.

Onoclea sensibilis L.

* *Woodsia ilvensis* (L.) R. Br.

Woodsia oregana D.C. Eaton

FAMILY POLYPODIACEAE

Polypodium virginianum L.

FAMILY PINACEAE

Abies balsamea (L.) Miller

Larix laricina (Du Roi) K. Koch

Picea glauca (Moench) Voss

Picea mariana (Miller) B.S.P.

Pinus banksiana Lamb.

Pinus nigra Arnold

Pinus resinosa Sol. ex Aiton

Pinus strobus L.

FAMILY CUPRESSACEAE

Juniperus communis L.

Juniperus horizontalis Moench

Thuja occidentalis L.

FAMILY TAXACEAE

Taxus canadensis Marshall

FAMILY ARISTOLOCHIACEAE

Asarum canadense L.

Marsh Fern Family

Long Beechfern

Marsh Fern

Wood Fern Family

Common Ladyfern

Bulblet Bladderfern

Brittle Bladderfern

Mountain Woodfern

Spinulose Woodfern

Crested Woodfern

Fragrant Woodfern

Western Oakfern

Scented Oakfern

Ostrich Fern

Sensitive Fern

Rusty Woodsia

Oregon Cliff Fern

Polypody Family

Rock Polypody

Pine Family

Balsam Fir

Tamarack

White Spruce

Black Spruce

Jack Pine

Austrian Pine

Red Pine

White Pine

Cedar Family

Common Juniper

Creeping Juniper

Eastern Arbovitae

Yew Family

Canada Yew

Duchman's-pipe Family

Canadian Wild Ginger

FAMILY NYMPHAEACEAE

Nuphar luteum (L.) Sm.

Nuphar rubrodisca Morong

Nymphaea odorata Ait.

FAMILY CABOMBACEAE

Brasenia schreberi J. Gmel.

FAMILY CERATOPHYLLACEAE

Ceratophyllum demersum L.

Ceratophyllum echinatum A. Gray

FAMILY RANUNCULACEAE

Actaea rubra (Aiton) Willd.

Anemone canadensis L.

Anemone cylindrica A. Gray

Anemone quinquefolia L.

Anemone virginiana L.

Aquilegia canadensis L.

Caltha natans Pall.

Caltha palustris L.

Coptis trifolia (L.) Salisb.

Hepatica nobilis Schreb. var *obtusa*

Ranunculus abortivus L.

Ranunculus acris L.

Ranunculus cymbalaria Pursh

Ranunculus flabellaris Raf.

Ranunculus flammula L.

Ranunculus gmelinii DC.

Ranunculus hispidus Michx.

Ranunculus lapponicus L.

Ranunculus longirostris Godr.

Ranunculus pensylvanicus L. f.

* *Ranunculus sceleratus* L.

Thalictrum dasycarpum Fischer & Avé-Lall.

Thalictrum dioicum L.

Thalictrum venulosum Trel.

FAMILY PAPAVERACEAE

Sanguinaria canadensis L.

Water-lily Family

Variegated Yellow Pond Lily

Yellow Pond Lily

American White Waterlily

Water-shield Family

Watershield

Hornwort Family

Coontail

Spineless Hornwort

Crowfoot or Buttercup Family

Red Baneberry

Canada Anemone

Candle Anemone

Nightcaps

Tall Thimbleweed

Red Columbine

Floating Marsh Marigold

Yellow Marsh Marigold

Threeleaf Goldthread

Roundlobed Hepatica

Littleleaf Buttercup

Tall Buttercup

Alkali Buttercup

Yellow Water Buttercup

Spearwort Buttercup

Gmelin's Buttercup

Bristly Buttercup

Lapland Buttercup

Longbeak Buttercup

Pennsylvania Buttercup

Celeryleaf Buttercup

Purple Meadowrue

Early Meadowrue

Veiny Meadowrue

Poppy Family

Bloodroot

FAMILY FUMARIACEAE

Corydalis aurea Willd.

Corydalis sempervirens (L.) Pers.

FAMILY ULMACEAE

Ulmus americana L.

FAMILY URTICACEAE

Laportea canadensis (L.) Wedd.

* *Parietaria pensylvanica* Muhlenb. ex Willd.

Urtica dioica L.

FAMILY MYRICACEAE

Comptonia peregrina (L.) J.M. Coult.

Myrica gale L.

FAMILY FAGACEAE

Quercus ellipsoidalis E.J. Hill

Quercus macrocarpa Michx.

Quercus rubra L.

FAMILY BETULACEAE

Alnus incana (L.) Moench ssp *rugosa*

Alnus viridis (Villars) DC. ssp *crispa*

Betula alleghaniensis Britton

Betula papyrifera Marshall var. *cordifolia*

Betula papyrifera Marshall

Betula pumila L.

Corylus americana Walter

Corylus cornuta Marshall

Ostrya virginiana (Miller) K. Koch

FAMILY CHENOPODIACEAE

Chenopodium album L.

Chenopodium leptophyllum (Nutt. ex Moq.) Nutt. ex S. Watson

Chenopodium simplex (Torr.) Raf.

FAMILY AMARANTHACEAE

Amaranthus retroflexus L.

FAMILY PORTULACACEAE

Portulaca oleracea L.

Fumitory or Fumewort Family

Scrambledeggs

Rock Harlequin

Elm Family

American Elm

Nettle Family

Canadian Wood Nettle

Pellitory

Stinging Nettle

Wax-myrtle Family

Sweet Fern

Sweetgale

Beech Family

Northern Pin Oak

Bur Oak

Northern Red Oak

Birch Family

Speckled Alder

American Green Alder

Yellow Birch

Mountain Paper Birch

Paper Birch

Swamp Birch

American Hazelnut

Beaked Hazelnut

Eastern Hophornbeam

Goosefoot Family

Lambsquarters

Mapleleaf Goosefoot

Amaranth Family

Redroot Amaranth

Purslane Family

Little Hogweed

FAMILY MOLLUGINACEAE

Mollugo verticillata L.

FAMILY CARYOPHYLLACEAE

Cerastium arvense L.

Cerastium fontanum Baumg.

Cerastium nutans Raf.

Lychnis chalcedonica L.

Moehringia lateriflora (L.) Fenzl

Myosoton aquaticum (L.) Moench

Silene antirrhina L.

Silene latifolia Poir.

* *Spergularia rubra* (L.) J. & C. Presl

* *Stellaria longifolia* Muhlenb. ex Willd.

Stellaria media (L.) Vill.

FAMILY POLYGONACEAE

Fagopyrum esculentum Moench

Polygonum achoreum Blake

Polygonum amphibium L.

Polygonum aviculare L.

Polygonum cilinode Michx.

Polygonum convolvulus L.

Polygonum douglasii Greene

Polygonum hydropiper L.

* *Polygonum lapathifolium* L.

Polygonum persicaria L.

Polygonum punctatum Elliott

Polygonum ramosissimum Michx.

Polygonum sagittatum L.

Polygonum scandens L.

Rumex acetosella L.

Rumex crispus L.

Rumex longifolius DC.

* *Rumex maritimus* L.

Rumex obtusifolius L.

Rumex orbiculatus A. Gray

Rumex patientia L.

Rumex triangulivalvis Meisn.

Carpetweed Family

Green Carpetweed

Pink Family

Field Chickweed

Common Mouse-Ear Chickweed

Nodding Chickweed

Maltese Cross

Bluntleaf Sandwort

Giant Chickweed

Sleepy Silene

Bladder Campion

Red Sandspurry

Longleaf Starwort

Common Chickweed

Smartweed Family

Fagopyrum

Leathery Knotweed

Longroot Smartweed

Prostate Knotweed

Fringed Black Bindweed

Black Bindweed

Douglas' Knotweed

Marshpepper Knotweed

Curlytop Knotweed

Spotted Ladysthumb

Dotted Smartweed

Bushy Knotweed

Arrowleaf Tearthumb

Climbing False Buckwheat

Common Sheep Sorrel

Curly Dock

Dooryard Dock

Golden Dock

Bitter Dock

Greater Water Dock

Patience Dock

Willow-leaved dock

FAMILY ELATINACEAE

Elatine minima (Nutt.) Fischer & C.A. Mey.
Elatine triandra Schkuhr

FAMILY GUTTIFERAE

* *Hypericum majus* (A. Gray) Britton
Triadenum fraseri (Spach) Gleason

FAMILY TILIACEAE

Tilia americana L.

FAMILY SARRACENIACEAE

Sarracenia purpurea L.

FAMILY DROSERACEAE

Drosera rotundifolia L.

FAMILY CISTACEAE

Lechea intermedia Legg.

FAMILY VIOLACEAE

Viola adunca Sm.
Viola blanda Brainerd
Viola canadensis L. var *rugulosa*
Viola conspersa Reichb.
Viola cucullata Aiton
Viola macloskeyi F.E. Lloyd ssp *pallens*
Viola novae-angliae House
Viola pubescens Aiton
Viola renifolia A. Gray
Viola selkirkii Pursh ex Goldie
Viola sororia Willd.

FAMILY CUCURBITACEAE

Echinocystis lobata (Michx.) Torr. & A. Gray

FAMILY SALICACEAE

Populus alba L.
Populus balsamifera L.
Populus grandidentata Michx.
Populus tremuloides Michx.
Salix amygdaloides Anderss.
Salix bebbiana Sarg.
Salix candida Flügge ex Willd.

Waterwort Family

Small Waterwort
Threestamen Waterwort

St. John's-wort Family

Large St. Johnswort
Fraser's Marsh St. Johnswort

Linden Family

American Basswood

Pitcher-plant Family

Purple Pitcherplant

Sundew Family

Roundleaf Sundew

Rock-rose Family

Largepod Pinweed

Violet Family

Hookedspur Violet
Sweet White Violet
Creepingroot Violet
American Dog Violet
Marsh Blue Violet
Smooth White Violet
New England Blue Violet
Downy Yellow Violet
White Violet
Selkirk's Violet
Common Blue Violet

Gourd Family

Wild Cucumber

Willow Family

White Poplar
Balsam Poplar
Bigtooth Aspen
Quaking Aspen
Peachleaf Willow
Bebb Willow
Sageleaf Willow

Salix discolor Muhlenb.
Salix eriocephala Michx.
Salix exigua Nutt.
Salix humilis Marshall
Salix lucida Muhlenb.
Salix pedicellaris Pursh
Salix petiolaris Anderss.
Salix planifolia Pursh
Salix pyrifolia Anderss.
Salix serissima (L.H. Bailey) Fern.

FAMILY BRASSICACEAE

- * *Arabis divaricarpa* A. Nelson
- Barbarea vulgaris* R. Br.
- Berteroa incana* (L.) DC.
- Brassica kaber* (DC.) L.C. Wheeler
- Capsella bursa-pastoris* (L.) Medik.
- Cardamine parviflora* L. var *arenicola*
- Cardamine pensylvanica* Muhlenb. ex Willd.
- * *Erysimum cheiranthoides* L.
- * *Lepidium densiflorum* Schrad.
- Rorippa islandica* (Oeder) Borbás
- Rorippa palustris* (L.) Besser ssp *fernaldiana*
- Sinapis arvensis* L.
- Subularia aquatica* L.
- Thlaspi arvense* L.

FAMILY ERICACEAE

Arctostaphylos uva-ursi (L.) Spreng.
Chamaedaphne calyculata (L.) Moench
Epigaea repens L.
Gaultheria hispidula (L.) Muhlenb. ex Bigelow
Gaultheria procumbens L.
Kalmia polifolia Wangenh.
Ledum groenlandicum Oeder
Vaccinium angustifolium Aiton
Vaccinium caespitosum Michx.
Vaccinium macrocarpon Aiton
Vaccinium myrtilloides Michx.
Vaccinium oxycoccos L.
Vaccinium vitis-idaea L.

Pussy Willow
Missouri River Willow
Sandbar Willow
Prairie Willow
Shining Willow
Bog Willow
Meadow Willow
Diamondleaf Willow
Balsam Willow
Autumn Willow

Mustard Family

Spreading Rockcress
Wintercress
Hoary Alyssum
Charlock Mustard
Shepherd's Purse
Sand Bittercress
Pennsylvania Bittercress
Wormseed Wallflower
Common Pepperweed
Northern Marsh Yellowcress
Fernald's Yellowcress
Wild Mustard
Water Awlwort
Field Pennycress

Heath Family

Kinnikinnick
Leatherleaf
Trailing Arbutus
Creeping Snowberry
Eastern Teaberry
Bog Laurel
Bog Labrador Tea
Lowbush Blueberry
Dwarf Bilberry
Cranberry
Velvetleaf Huckleberry
Small Cranberry
Lingonberry

FAMILY PYROLACEAE

Chimaphila umbellata (L.) Barton
Moneses uniflora (L.) A. Gray
Orthilia secunda (L.) House
Pyrola americana Sweet
Pyrola asarifolia Michx.
Pyrola chlorantha Sw.
Pyrola elliptica Nutt.

FAMILY MONOTROPACEAE

Monotropa hypopithys L.
Monotropa uniflora L.

FAMILY PRIMULACEAE

Lysimachia ciliata L.
Lysimachia terrestris (L.) B.S.P.
Lysimachia thyrsiflora L.
Trientalis borealis Raf.

FAMILY GROSSULARIACEAE

Ribes americanum Miller
Ribes glandulosum Grauer
Ribes hirtellum Michx.
Ribes hudsonianum Richardson
Ribes lacustre (Pers.) Poir.
Ribes oxycanthoides L.
Ribes triste Pall.

FAMILY CRASSULACEAE

Crassula aquatica (L.) Schoenl.
Sedum acre L.
Sedum hispanicum L.
Sedum telephioides Michx.
Sempervivum tectorum L.

FAMILY SAXIFRAGACEAE

Heuchera richardsonii R. Br.
Mitella nuda L.
Parnassia palustris L.
Saxifraga pensylvanica L.
Saxifraga virginiana Michx.

Wintergreen Family

Pipsissewa
Single Delight
Sidebells Wintergreen
American Wintergreen
Liverleaf Wintergreen
Green Flowered Wintergreen
Waxflower Shinleaf

Indian Pipe Family

Pinesap
Indianpipe

Primrose Family

Fringed Loosestrife
Earth Loosestrife
Tufted Loosestrife
American Starflower

Gooseberry or Currant Family

American Black Currant
Skunk Currant
Hairystem Gooseberry
Northern Black Currant
Prickly Currant
Canadian Gooseberry
Red Currant

Stonecrop or Orpine Family

Water Pygmyweed
Goldmoss Stonecrop
Spanish Stonecrop
Allegheny Stonecrop
Common Houseleek

Saxifrage Family

Richardson's Alumroot
Naked Miterwort
Northern Grass Parnassus
Eastern Swamp Saxifrage
Alaska Saxifrage

FAMILY ROSACEAE

Agrimonia gryposepala Wallr.
Agrimonia striata Michx.
Amelanchier bartramiana (Tausch) M. Roem.
Amelanchier humilis Wieg
Amelanchier sanguinea (Pursh) DC.
Amelanchier stolonifera Wiegand
* *Aronia melanocarpa* (Michx.) Elliott
Comarum palustre (L.) Scop.
Crataegus chrysocarpa Ashe
Fragaria vesca L.
Fragaria virginiana Miller
Geum aleppicum Jacq.
Geum macrophyllum Willd.
Geum rivale L.
Potentilla argentea L.
Potentilla arguta Pursh
Potentilla norvegica L.
* *Potentilla recta* L.
* *Potentilla simplex* Michx.
Prunus americana Pursh
Prunus nigra Aiton
Prunus pensylvanica L. f.
Prunus pumila L.
Prunus serotina Ehrh.
Prunus virginiana L.
Rosa acicularis Lindl.
Rosa blanda Aiton
* *Rubus acaulis* Michx.
Rubus allegheniensis Porter
Rubus canadensis L.
Rubus flagellaris Willd.
Rubus idaeus L. ssp *strigosus*
Rubus occidentalis L.
Rubus parviflorus Nutt.
Rubus pensilvanicus Poir.
Rubus pubescens Raf.
Sibbaldiopsis tridentata Sol. ex Aiton

Rose Family

Tall Hairy Agrimony
Roadside Agrimony
Oblongfruit Serviceberry
Low Serviceberry
Roundleaf Serviceberry
Running Serviceberry
Black Chokeberry
Purple Marshlocks
Fireberry Hawthorn
Woodland Strawberry
Virginia Strawberry
Yellow Avens
Largeleaf Avens
Purple Avens
Silver Cinquefoil
Tall Cinquefoil
Norwegian Cinquefoil
Sulphur Cinquefoil
Common Cinquefoil
American Plum
Canadian Plum
Pin Cherry
Sand Cherry
Black Cherry
Common Chokecherry
Prickly Rose
Smooth Rose
Northern Dwarf Raspberry
Allegheny Blackberry
Smooth Blackberry
Northern Dewberry
Grayleaf Red Raspberry
Black Raspberry
Thimbleberry
Pennsylvania Blackberry
Dwarf Red Raspberry
Shrubby Fivefingers

Sorbus americana Marshall
Sorbus decora (Sarg.) C.K. Schneid.
Spiraea alba Du Roi

FAMILY FABACEAE

Amphicarpaea bracteata (L.) Fern.
Astragalus canadensis L.
Caragana arborescens Lam.
Coronilla varia L.
* *Desmodium canadense* (L.) DC.
Glycyrrhiza lepidota Nutt. ex Pursh
Lathyrus ochroleucus Hook.
Lathyrus palustris L.
Lathyrus venosus Muhlenb. ex Willd.
* *Medicago lupulina* L.
Medicago sativa L.
Melilotus alba Medik.
Melilotus officinalis (L.) Pall.
Trifolium arvense L.
Trifolium campestre Schreb.
Trifolium hybridum L.
Trifolium pratense L.
Trifolium repens L.
* *Vicia americana* Muhlenb. ex Willd.

FAMILY ELAEAGNACEAE

Shepherdia canadensis (L.) Nutt.

FAMILY HALORAGACEAE

Myriophyllum alterniflorum DC.
* *Myriophyllum farwellii* Morong
Myriophyllum sibiricum Kom.
Myriophyllum tenellum Bigelow
Myriophyllum verticillatum L.

FAMILY LYTHRACEAE

Lythrum salicaria L.

FAMILY ONAGRACEAE

Chamerion angustifolium L.
Circaea alpina L.
Circaea lutetiana L. ssp *canadensis*
Epilobium ciliatum Raf. ssp *glandulosum*

American Mountain Ash
Northern Mountain Ash
White Meadowsweet

Pea or Pulse Family

American Hogpeanut
Canadian Milkvetch
Siberian Peashrub
Crown Vetch
Showy Ticktrefoil
American Licorice
Cream Peavine
Slender Stem Peavine
Veiny Peavine
Black Medick
Alfalfa
White Sweetclover
Yellow Sweetclover
Rabbitfoot Clover
Field Clover
Alsike Clover
Red Clover
White Clover
American Vetch

Oleaster Family

Russet Buffaloberry

Water-milfoil Family

Alternate Flower Watermilfoil
Farwell's Watermilfoil
Shortspike Watermilfoil
Slender Watermilfoil
Whorl Leaf Watermilfoil

Loosestrife Family

Purple Loosestrife

Evening-primrose Family

Fireweed
Small Enchanter's Nightshade
Broadleaf Enchanter's Nightshade
Glandular Willowherb

Epilobium coloratum Biehler

Epilobium leptophyllum Raf.

Epilobium palustre L.

Oenothera biennis L.

Oenothera parviflora L.

Oenothera perennis L.

FAMILY CORNACEAE

Cornus alternifolia L. f.

Cornus canadensis L.

Cornus racemosa Lam.

Cornus rugosa Lam.

Cornus sericea L. ssp *sericea*

FAMILY SANTALACEAE

Comandra umbellata (L.) Nutt.

FAMILY VISCACEAE

Arceuthobium pusillum Peck

FAMILY CELASTRACEAE

Celastrus scandens L.

FAMILY AQUIFOLIACEAE

Ilex verticillata (L.) A. Gray

FAMILY EUPHORBIACEAE

Chamaesyce glyptosperma (Engelm.) Small

FAMILY RHAMNACEAE

Rhamnus alnifolia L'Hér.

FAMILY VITACEAE

Parthenocissus quinquefolia (L.) Planchon ex DC.

Parthenocissus vitacea (A. Kern.) Fritsch

Vitis riparia Michx.

FAMILY ACERACEAE

Acer negundo L.

Acer rubrum L.

Acer saccharinum L.

Acer spicatum Lam.

FAMILY ANACARDIACEAE

Rhus glabra L.

Purpleleaf Willowherb

Bog Willowherb

Marsh Willowherb

Common Evening Primrose

Northern Evening Primrose

Small Evening Primrose

Dogwood Family

Alternate-leaf Dogwood

Bunchberry

Gray Dogwood

Roundleaf Dogwood

Redosier Dogwood

Sandalwood Family

Bastard Toadflax

Christmas-mistletoe Family

Eastern Dwarf Mistletoe

Staff-tree Family

American Bittersweet

Holly Family

Common Winterberry

Spurge Family

Ribseed Sandmat

Buckthorn Family

Alder Leaf Buckthorn

Grape or Vine Family

Virginia Creeper

Woodbine

Riverbank Grape

Maple Family

Boxelder

Red Maple

Silver Maple

Mountain Maple

Sumac or Cashew Family

Smooth Sumac

Rhus hirta (L.) Sudworth
Toxicodendron radicans (L.) Kuntze

FAMILY OXALIDACEAE

Oxalis stricta L.

FAMILY GERANIACEAE

Geranium bicknellii Britton

FAMILY BALSAMINACEAE

Impatiens capensis Meerb.

FAMILY ARALIACEAE

Aralia hispida Vent.

Aralia nudicaulis L.

Aralia racemosa L.

FAMILY APIACEAE

Aegopodium podagraria L.

Cicuta bulbifera L.

Cicuta maculata L.

Heracleum maximum Bartr.

Osmorhiza claytonii (Michx.) C.B. Clarke

Osmorhiza longistylis (Torr.) DC.

* *Pastinaca sativa* L.

Sanicula marilandica L.

Sium suave Walter

Zizia aptera (A. Gray) Fern.

FAMILY GENTIANACEAE

Gentiana andrewsii Griseb.

Gentianopsis crinita (Froel.) Ma

Halenia deflexa (Sm.) Griseb.

FAMILY APOCYNACEAE

Apocynum androsaemifolium L.

Apocynum cannabinum L.

FAMILY ASCLEPIADACEAE

Asclepias incarnata L.

Asclepias syriaca L.

FAMILY SOLANACEAE

Physalis pubescens L.

Solanum dulcamara L.

Staghorn Sumac

Eastern Poison Ivy

Wood Sorrel Family

Common Yellow Oxalis

Geranium Family

Bicknell's Cranesbill

Touch-me-not Family

Jewelweed

Ginseng Family

Bristly Sarsaparilla

Wild Sarsaparilla

American Spikenard

Carrot or Parsley Family

Bishop's Goutweed

Bulblet Bearing Water Hemlock

Spotted Water Hemlock

Common Cowparsnip

Clayton's Sweetroot

Longstyle Sweetroot

Wild Parsnip

Maryland Sanicle

Hemlock Waterparsnip

Meadow Zizia

Gentian Family

Closed Bottle Gentian

Greater Fringed Gentian

American Spurred Gentian

Dogbane Family

Spreading Dogbane

Indianhemp

Milkweed Family

Swamp Milkweed

Common Milkweed

Potato or Nightshade Family

Husk Tomato

Climbing Nightshade

FAMILY CONVULVACEAE

Calystegia spithamea (L.) Pursh
Convolvulus sepium L.
Cuscuta cephalanthi Engelm.
Cuscuta gronovii Willd. ex Schultz

FAMILY MENYANTHACEAE

Menyanthes trifoliata L.

FAMILY POLEMONIACEAE

Phlox pilosa L.

FAMILY BORAGINACEAE

Cynoglossum virginianum L. var *boreale*
Hackelia deflexa (Wahlenb.) Opiz
Mertensia paniculata (Aiton) G. Don
Myosotis scorpioides L.

FAMILY VERBENACEAE

Verbena hastata L.

FAMILY LAMIACEAE

Agastache foeniculum (Pursh) Kuntze
* *Clinopodium vulgare* L.
Dracocephalum parviflorum Nutt.
Glechoma hederacea L.
Lycopus americanus Muhlenb. ex Bartram
Lycopus uniflorus Michx.
Mentha arvensis L.
Mentha spicata L.
Monarda didyma L.
Prunella vulgaris L.
Scutellaria galericulata L.
Scutellaria lateriflora L.
Stachys palustris L.
Stachys tenuifolia Willd.

FAMILY CALLITRICHACEAE

Callitriche palustris L.

FAMILY PLANTAGINACEAE

* *Littorella uniflora* (L.) Aschers.
Plantago major L.
Plantago rugelii Decne.

Morning-glory Family

Low False Bindweed
Hedge False Bindweed
Buttonbush Dodder
Scaldweed

Buckbean Family

Common Buckbean

Phlox or Polemonium Family

Downy Phlox

Borage Family

Wild Comfrey
Nodding Stickseed
Tall Bluebells
True Forget-Me-Not

Vervain Family

Swamp Verbena

Mint Family

Blue Giant Hyssop
Wild Basil
American Dragonhead
Ground Ivy
American Water-horehound
Northern Bugleweed
Wild Mint
Spearment
Scarlet Beebalm
Common Selfheal
Marsh Skullcap
Blue Skullcap
Marsh Hedgenettle
Smooth Hedgenettle

Water-starwort Family

Vernal Waterstarwort

Plantain Family

American Shore-plantain
Common Plantain
Blackseed Plantain

FAMILY OLEACEAE

Fraxinus nigra Marshall
Fraxinus pennsylvanica Marshall
Syringa vulgaris L.

FAMILY SCROPHULARIACEAE

Agalinis tenuifolia (Vahl) Raf.
Gratiola neglecta Torr.
Linaria vulgaris Miller
Melampyrum lineare Desr.
Mimulus ringens L.
Pedicularis canadensis L.
Penstemon gracilis Nutt.
Scrophularia marilandica L.
Verbascum thapsus L.
Veronica arvensis L.
Veronica peregrina L.
Veronica scutellata L.
Veronica serpyllifolia L.

FAMILY LENTIBULARIACEAE

Utricularia intermedia Hayne
Utricularia macrorhiza Le Conte

FAMILY CAMPANULACEAE

Campanula aparinoides Pursh
Campanula rapunculoides L.
Campanula rotundifolia L.
Lobelia dortmanna L.
Lobelia inflata L.

FAMILY RUBIACEAE

Galium asprellum Michx.
Galium boreale L.
* *Galium labradoricum* (Wiegand) Wiegand
* *Galium mollugo* L.
Galium obtusum Bigelow
Galium trifidum L.
Galium triflorum Michx.
Houstonia longifolia Gaertn.

Olive Family

Black Ash
Green Ash
Common Lilac

Figwort Family

Slenderleaf False Foxglove
Clammy Hedge Hyssop
Butter and Eggs
Narrowleaf Cow Wheat
Ringed Monkeyflower
Canadian Lousewort
Lilac Penstemon
Carpenter's-square Figwort
Common Mullein
Corn Speedwell
Neckweed
Skullcap Speedwell
Thyme-leaved Speedwell

Bladderwort Family

Flatleaf Bladderwort
Common Bladderwort

Bluebell or Bellflower Family

Marsh Bellflower
Rampion Bellflower
Bluebell Bellflower
Dortmann's cardinalflower
Indian Tobacco

Madder Family

Rough Bedstraw
Northern Bedstraw
Northern Bog Bedstraw
White Bedstraw
Bluntleaf Bedstraw
Three Petal Bedstraw
Fragrant Bedstraw
Longleaf Summer Bluet

FAMILY CAPRIFOLIACEAE

Diervilla lonicera Miller

Linnaea borealis L.

Lonicera caerulea L.

Lonicera canadensis Bartram

Lonicera dioica L.

* *Lonicera hirsuta* Eaton

Lonicera morrowii A. Gray

Lonicera oblongifolia (Goldie) Hook.

Lonicera tatarica L.

Lonicera villosa (Michx.) Roem. & Schult.

Sambucus racemosa L. var *racemosa*

Symphoricarpos albus (L.) S.F. Blake

Viburnum lentago L.

Viburnum opulus Ait.

Viburnum rafinesquianum Schult.

FAMILY ASTERACEAE

Achillea millefolium L.

Ambrosia artemisiifolia L.

Ambrosia psilostachya DC.

Anaphalis margaritacea (L.) Benth. & Hook. f. ex C.B. Clarke

Antennaria neglecta Greene

Antennaria neodioica Greene

Antennaria parlinii Fern.

Arctium minus (Hill) Bernh.

Aster borealis (Torr. & A. Gray) Prov.

Aster lanceolatus Willd. ssp *lanceolatus*

Aster lateriflorus (L.) Britton

Aster macrophyllus L.

Aster puniceus L.

Balsamita major Desf.

Bidens cernua L.

Bidens frondosa L.

Bidens tripartita L.

Cirsium arvense (L.) Scop.

Cirsium muticum Michx.

Cirsium vulgare (Savi) Ten.

Conyza canadensis (L.) Cronquist

Honeysuckle Family

Northern Bush Honeysuckle

Twinflower

Sweetberry Honeysuckle

American Fly Honeysuckle

Limber Honeysuckle

Hairy Honeysuckle

Morrow's Honeysuckle

Swamp Fly Honeysuckle

Tartarian Honeysuckle

Mountain Fly Honeysuckle

Elderberry

Common Snowberry

Nannyberry

American Cranberrybush

Downy Arrowwood

Composite or Aster Family

Common Yarrow

Annual Ragweed

Cuman Ragweed

Western Pearlyeverlasting

Field Pussytoes

Pussytoes

Parlin's Pussytoes

Lesser Burdock

Rush Aster

White Panicle Aster

Calico Aster

Bigleaf Aster

Purplestem Aster

Cost Mary

Nodding Beggartick

Devil's Beggartick

Threelobe Beggarticks

Canada Thistle

Swamp Thistle

Bull Thistle

Canadian Horseweed

<i>Doellingeria umbellata</i> (P. Mill.) Nees var <i>umbellata</i>	Parasol Whitetop
<i>Doellingeria umbellata</i> var. <i>pubens</i> (P. Mill.) Nees var <i>pubens</i>	Parasol Whitetop
<i>Erigeron glabellus</i> Nutt.	Streamside Fleabane
<i>Erigeron philadelphicus</i> L.	Philadelphia Fleabane
<i>Erigeron strigosus</i> Muhlenb. ex Willd.	Prairie Fleabane
<i>Eupatorium maculatum</i> L.	Spotted Joe Pye Weed
<i>Eupatorium perfoliatum</i> L.	Common Boneset
<i>Eupatorium purpureum</i> L. var <i>purpureum</i>	Sweetscented Joe Pye Weed
<i>Euthamia graminifolia</i> (L.) Nutt.	Flattop Goldentop
<i>Galinsoga quadriradiata</i> Rúiz, Lopez & Pavón	Shaggy Soldier
* <i>Gnaphalium uliginosum</i> L.	Low Cudweed
<i>Helianthus giganteus</i> L.	Giant Sunflower
<i>Helianthus tuberosus</i> L.	Jerusalem Artichoke
* <i>Hieracium aurantiacum</i> L.	Orange Hawkweed
<i>Hieracium canadense</i> Michx.	Canadian Hawkweed
<i>Hieracium kalmii</i> L.	Kalm's Hawkweed
<i>Hieracium piloselloides</i> Vill.	Tall Hawkweed
<i>Hieracium scabrum</i> Michx.	Rough Hawkweed
<i>Hieracium umbellatum</i> L.	Narrowleaf Hawkweed
<i>Lactuca biennis</i> (Moench) Fern.	Tall Blue Lettuce
<i>Lactuca canadensis</i> L.	Canada Lettuce
<i>Leucanthemum vulgare</i> Lam.	Oxeye Daisy
<i>Matricaria discoidea</i> DC.	Disc Mayweed
<i>Matricaria matricarioides</i> (Less.) Porter	Pineapple Weed
<i>Megalodonta beckii</i> (Torr. ex Spreng) Greene	Aquatic Beggartick
<i>Petasites frigidus</i> (L.) Fr. var <i>palmatus</i>	Arctic Sweet Coltsfoot
<i>Petasites sagittatus</i> (Banks ex Pursh) A. Gray	Arrowleaf Sweet Coltsfoot
<i>Prenanthes alba</i> L.	White Rattlesnakeroot
<i>Rudbeckia hirta</i> L.	Blackeyed Susan
<i>Senecio aureus</i> L.	Golden Ragwort
<i>Senecio pauperculus</i> Michx.	Balsam Groundsel
<i>Solidago canadensis</i> L.	Canada Goldenrod
<i>Solidago gigantea</i> Aiton	Giant Goldenrod
<i>Solidago hispida</i> Muhlenb.	Hairy Goldenrod
<i>Solidago missouriensis</i> Nutt.	Missouri Goldenrod
<i>Solidago nemoralis</i> Aiton	Dyersweed Goldenrod
<i>Solidago uliginosa</i> Nutt.	Bog Goldenrod
<i>Sonchus arvensis</i> L.	Field Sowthistle
<i>Sonchus asper</i> (L.) Hill	Spiny Sowthistle

Symphyotrichum ericoides L. var *ericoides*
Symphyotrichum ciliolatum Lindl.
Taraxacum officinale G. Weber
Tragopogon dubius Scop.

FAMILY ALISMATACEAE

Alisma subcordatum Raf.
Alisma triviale Pursh
Sagittaria cristata Engelm.
Sagittaria cuneata E. Sheld.
Sagittaria graminea Michx.
Sagittaria latifolia Willd.
Sagittaria rigida Pursh

FAMILY HYDROCHARITACEAE

Elodea canadensis Rich. ex Michx.
Vallisneria americana Michx.

FAMILY SCHEUCHZERIACEAE

Scheuchzeria palustris L. ssp *americana*

FAMILY JUNCAGINACEAE

Triglochin maritimum L.
Triglochin palustre L.

FAMILY POTAMOGETONACEAE

Potamogeton amplifolius Tuckerm.
Potamogeton epihydrus Raf.
* *Potamogeton filiformis* Pers. ssp *filiformis*
* *Potamogeton foliosus* Raf.
Potamogeton friesii Rupr.
* *Potamogeton gramineus* L.
Potamogeton natans L.
* *Potamogeton pectinatus* L.
Potamogeton pusillus L.
* *Potamogeton richardsonii* (A. Bennett) Rydb.
Potamogeton robbinsii Oakes
Potamogeton spirillus Tuckerm.
Potamogeton vaseyi Robb.
Potamogeton zosteriformis Fern.

FAMILY NAJADACEAE

Najas flexilis (Willd.) Rost. & W. Schmidt

Heath Aster
Lindley's aster
Common Dandelion
Goat's Beard

Water-plantain Family

American Water Plantain
Northern Water Plantain
Crested Arrowhead
Arumleaf Arrowhead
Grassy Arrowhead
Broadleaf Arrowhead
Sessilefruit Arrowhead

Frog's-bit Family

Canadian Waterweed
American Eelgrass

Scheuchzeria Family

Rannoch-rush

Arrow-grass Family

Seaside Arrowgrass
Marsh Arrowgrass

Pondweed Family

Largeleaf Pondweed
Ribbonleaf Pondweed
Fineleaf Pondweed
Leafy Pondweed
Fries' Pondweed
Variableleaf Pondweed
Floating Pondweed
Sago Pondweed
Small Pondweed
Richardson's Pondweed
Robbin's Pondweed
Spiral Pondweed
Vasey's Pondweed
Flatstem Pondweed

Water-nymph or Naiad Family

Nodding Water Nymph

FAMILY ARACEAE

Acorus americanus (Raf.) Raf.
Arisaema triphyllum (L.) Schott
Calla palustris L.

FAMILY LEMNACEAE

Lemna minor L.
Lemna trisulca L.
Spirodela polyrhiza (L.) Schleid.

FAMILY ERIOCAULACEAE

Eriocaulon aquaticum (Hill) Druce

FAMILY JUNCACEAE

Juncus balticus Willd.
Juncus brevicaudatus (Engelm.) Fern.
Juncus bufonius L.
Juncus dudleyi Wiegelb
Juncus effusus L.
Juncus filiformis L.
Juncus greenei Oakes & Tuckerm.
* *Juncus interior* Wiegand
Juncus nodosus L.
Juncus pelocarpus E. Mey.
Juncus tenuis Willd.
Luzula acuminata Raf.
Luzula campestris (L.) DC.

FAMILY CYPERACEAE

Bolboschoenus fluviatilis (Torr.) M.T. Strong
Carex adusta Boott
Carex aenea Fern.
Carex aquatilis Wahlenb.
Carex arcta Boott
Carex arctata Boott
Carex atherodes Spreng.
Carex aurea Nutt.
Carex bebbii (L.H. Bailey) Olney ex Fern.
Carex brevior (Dewey) Mack. ex Lunell
Carex brunnescens (Pers.) Poir. ex Lam.
Carex canescens L.
Carex castanea Wahlenb.

Arum Family

Sweetflag
Jack in the Pulpit
Water Arum

Duckweed Family

Common Duckweed
Star Duckweed
Giant Duckweed

Pipewort Family

Sevenangle Pipewort

Rush Family

Baltic Rush
Narrow Panicle Rush
Toad Rush
Dudley's Rush
Common Rush
Thread Rush
Greene's Rush
Inland Rush
Jointed Rush
Brownfruit Rush
Poverty Rush
Hairy Wood Rush
Field Wood Rush

Sedge Family

River Bulrush
Lesser Brown Sedge
Bronze Sedge
Water Sedge
Bear Sedge
Drooping Woodland Sedge
Slough Sedge
Golden Sedge
Bebb's Sedge
Fescue Sedge
Brownish Sedge
Silvery Sedge
Chestnut Sedge

<i>Carex chordorrhiza</i> Ehrh. ex L. f.	Creeping Sedge
* <i>Carex crawfordii</i> Fern.	Crawford's Sedge
* <i>Carex crinita</i> Lam.	Fringed Sedge
<i>Carex cristatella</i> Britton	Crested Sedge
<i>Carex cryptolepis</i> Mack.	Northeastern Sedge
<i>Carex deflexa</i> Hornem.	Northern Sedge
<i>Carex deweyana</i> Schwein.	Dewey Sedge
<i>Carex diandra</i> Schrank	Lesser Panicked Sedge
<i>Carex disperma</i> Dewey	Softleaf Sedge
<i>Carex echinata</i> Murray ssp <i>echinata</i>	Prickly Sedge
<i>Carex gracillima</i> Schwein.	Graceful Sedge
* <i>Carex gynocrates</i> Wormsk. ex Drejer	Northern Bog Sedge
<i>Carex haydenii</i> Dewey	Hayden's Sedge
<i>Carex hirta</i> L.	Hammer Sedge
<i>Carex houghtoniana</i> Torr. ex Dewey	Houghton's Sedge
* <i>Carex interior</i> L.H. Bailey	Inland Sedge
<i>Carex intumescens</i> Rudge	Greater Bladder Sedge
<i>Carex lacustris</i> Willd.	Hairy Sedge
<i>Carex lasiocarpa</i> Ehrh.	Woollyfruit Sedge
<i>Carex lenticularis</i> Michx.	Tufted Sedge
<i>Carex leptalea</i> Wahlenb.	Bristlystalked Sedge
* <i>Carex leptoneuria</i> (Fern.) Fern.	Nerveless Woodland Sedge
<i>Carex limosa</i> L.	Mud Sedge
<i>Carex livida</i> (Wahlenb.) Willd.	Livid Sedge
<i>Carex magellanica</i> Lam. ssp <i>magellanica</i>	Little Sedge
<i>Carex merritt-fernaldii</i> Mack.	Merritt Fernald's Sedge
<i>Carex muricata</i> L.	Rough Sedge
<i>Carex oligosperma</i> Michx.	Fewseed Sedge
<i>Carex pauciflora</i> Lightf.	Star Sedge
<i>Carex peckii</i> Howe	Peck's Sedge
<i>Carex pedunculata</i> Muhlenb. ex Willd.	Longstalk Sedge
<i>Carex pellita</i> Muhl ex Willd.	Woolly Sedge
<i>Carex pensylvanica</i> Lam.	Pennsylvania Sedge
<i>Carex projecta</i> Mack.	Necklace Sedge
<i>Carex retrorsa</i> Schwein.	Knotsheath Sedge
<i>Carex rosea</i> Schkuhr ex Willd.	Rosy Sedge
<i>Carex rostrata</i> Stokes	Beaked Sedge
<i>Carex scoparia</i> Schkuhr ex Willd.	Broom Sedge
<i>Carex stipata</i> Muhlenb. ex Willd.	Owlfruit Sedge
<i>Carex stricta</i> Lam.	Uptight Sedge

* <i>Carex sychnocephala</i> J. Carey	Manyhead Sedge
* <i>Carex tenera</i> Dewey	Quill Sedge
<i>Carex tenuiflora</i> Wahlenb.	Sparse Flower Sedge
<i>Carex tonsa</i> (Fern.) Bicknell	Shaved Sedge
<i>Carex trisperma</i> Dewey	Threeseeded Sedge
<i>Carex tuckermanii</i> Dewey	Tuckerman's Sedge
<i>Carex umbellata</i> Schkuhr ex Willd.	Parasol Sedge
<i>Carex vesicaria</i> L.	Blister Sedge
<i>Carex viridula</i> Michx.	Little Green Sedge
<i>Carex vulpinoidea</i> Michx.	Fox Sedge
<i>Cyperus squarrosus</i> L.	Bearded Flatsedge
* <i>Cyperus strigosus</i> L.	Strawcolored Flatsedge
<i>Dulichium arundinaceum</i> (L.) Britton	Threeway Sedge
<i>Eleocharis acicularis</i> (L.) Roem. & Schult.	Needle Spikerush
* <i>Eleocharis elliptica</i> Kunth	Elliptic Spikerush
* <i>Eleocharis obtusa</i> (Willd.) Schult.	Blunt Spikerush
* <i>Eleocharis ovata</i> (Roth) Roem. & Schult.	Ovate Spikerush
<i>Eleocharis smallii</i> Britton	Small's Spikerush
<i>Eriophorum angustifolium</i> Honck.	Tall Cottongrass
<i>Eriophorum chamissonis</i> C.A. Mey.	Chamisso's Cottongrass
<i>Eriophorum gracile</i> Koch ex Roth	Slender Cottongrass
<i>Eriophorum tenellum</i> Nutt.	Fewnerved Cottongrass
<i>Eriophorum vaginatum</i> L. var <i>spissum</i>	Tussock Cottongrass
<i>Eriophorum virginicum</i> L.	Tawny Cottongrass
<i>Eriophorum viridi-carinatum</i> (Engelm.) Fern.	Thinleaf Cottonsedge
<i>Fimbristylis autumnalis</i> (L.) Roem. & Schult.	Autumn Sedge
<i>Lipocarpha micrantha</i> (M. Vahl) G.C. Tucker	Smallflower Hemicarpha
<i>Schoenoplectus acutus</i> (Muhl. ex Bigelow) A. & D. Löve var <i>acutus</i>	Hardstem Bulrush
<i>Schoenoplectus heterochaetus</i> (Chase) Soják	Prairie Bulrush
<i>Schoenoplectus subterminalis</i> (Torr.) Soják	Swaying Bulrush
<i>Scirpus atrovirens</i> Willd.	Green Bulrush
<i>Scirpus cyperinus</i> (L.) Kunth	Woolgrass
<i>Scirpus microcarpus</i> C. Presl	Panicled Bulrush
<i>Scirpus validus</i> L.	Softstem Bulrush
FAMILY POACEAE	Grass Family
<i>Agrostis capillaris</i> L.	Colonial Bentgrass
<i>Agrostis gigantea</i> Roth	Redtop
<i>Agrostis hyemalis</i> (Walter) B.S.P.	Winter Bentgrass
<i>Agrostis perennans</i> (Walter) Tuckerm.	Upland Bentgrass

<i>Agrostis scabra</i> Willd.	Rough Bentgrass
<i>Agrostis stolonifera</i> L.	Creeping Bentgrass
<i>Alopecurus aequalis</i> Sobol.	Shortawn Foxtail
* <i>Alopecurus pratensis</i> L.	Meadow Foxtail
<i>Andropogon gerardii</i> Vitman	Big Bluestem
<i>Avena sativa</i> L.	Oats
<i>Beckmannia syzigachne</i> (Steud.) Fern.	Slough Grass
<i>Brachyelytrum erectum</i> (Schreb.) P. Beauv.	Bearded Shorthusk
<i>Bromus ciliatus</i> L.	Fringed Brome
<i>Bromus inermis</i> Leyss.	Smooth Brome
<i>Calamagrostis canadensis</i> (Michx.) P. Beauv.	Bluejoint
<i>Calamagrostis stricta</i> (Timm) Koeler ssp <i>inexpansa</i>	Northern Reedgrass
<i>Cinna latifolia</i> (Trevir. ex Goepp.) Griseb. in Ledeb.	Drooping Woodreed
<i>Dactylis glomerata</i> L.	Orchardgrass
<i>Danthonia spicata</i> (L.) P. Beauv. ex Roem. & Schult.	Poverty Danthonia
* <i>Deschampsia caespitosa</i> (L.) P. Beauv.	Tufted Hairgrass
<i>Dichanthelium acuminatum</i> Sw.	Tapered Rosette Grass
<i>Dichanthelium boreale</i> Nash	Northern Panicgrass
<i>Dichanthelium lanuginosum</i> Ell.	Western Panicgrass
<i>Dichanthelium linearifolium</i> Nash	Slimleaf Panicum
<i>Dichanthelium xanthophyllum</i> A. Gray	Slender Rosette Grass
<i>Digitaria ischaemum</i> (Schreb. ex Schwein.) Schreb. ex Muhlenb.	Smooth Crabgrass
<i>Echinochloa crusgalli</i> (L.) P. Beauv.	Barnyard Grass
<i>Elymus trachycaulus</i> (Link) Gould in Shinn. ssp <i>trachycaulus</i>	Slender Wheatgrass
<i>Elymus virginicus</i> L.	Virginia Wildrye
<i>Elytrigia repens</i> (L.) Desv. ex B.D. Jackson var <i>repens</i>	Quackgrass
<i>Eragrostis hypnoides</i> (Lam.) B.S.P.	Teal Lovegrass
<i>Eragrostis pectinacea</i> (Michx.) Nees ex Steud.	Tufted Lovegrass
<i>Festuca arundinacea</i> Schreb.	Tall Fescue
<i>Festuca ovina</i> L.	Sheep Fescue
* <i>Festuca rubra</i> L.	Red Fescue
<i>Glyceria borealis</i> (Nash) Batch.	Northern Mannagrass
<i>Glyceria canadensis</i> (Michx.) Trin.	Rattlesnake Mannagrass
<i>Glyceria grandis</i> S. Watson	American Mannagrass
<i>Glyceria striata</i> (Lam.) A. Hitchc.	Fowl Mannagrass
<i>Hierochloa odorata</i> (L.) P. Beauv.	Sweetgrass
<i>Hordeum jubatum</i> L.	Foxtail Barley
<i>Leersia oryzoides</i> (L.) Sw.	Rice Cutgrass

* <i>Lolium perenne</i> L.	Perennial Ryegrass
<i>Muhlenbergia frondosa</i> (Poir. in Lam.) Fern.	Wirestem Muhly
<i>Muhlenbergia glomerata</i> (Willd.) Trin.	Spiked Muhly
<i>Muhlenbergia mexicana</i> (L.) Trin	Mexican Muhly
<i>Muhlenbergia racemosa</i> (Michx.) B.S.P.	Marsh Muhly
<i>Oryzopsis asperifolia</i> Michx.	Roughleaf Ricegrass
<i>Oryzopsis pungens</i> (Torr. ex Spreng.) A. Hitchc.	Mountain Ricegrass
<i>Panicum capillare</i> L.	Witchgrass
* <i>Panicum depauperatum</i> Muhlenb.	Starved Panicgrass
<i>Panicum philadelphicum</i> Bernh. ex Trin.	Philadelphia Panicgrass
<i>Panicum virgatum</i> L.	Switchgrass
<i>Phalaris arundinacea</i> L.	Reed Canarygrass
<i>Phleum pratense</i> L.	Timothy
<i>Phragmites australis</i> (Cav.) Trin. ex Steud.	Common Reed
<i>Poa alsodes</i> A. Gray	Grove Bluegrass
<i>Poa annua</i> L.	Annual Bluegrass
<i>Poa compressa</i> L.	Canada Bluegrass
<i>Poa glauca</i> Vahl	Glaucous Bluegrass
<i>Poa interior</i> Rydb.	Inland Bluegrass
<i>Poa palustris</i> L.	Fowl Bluegrass
<i>Poa pratensis</i> L.	Kentucky Bluegrass
<i>Puccinellia distans</i> (Jacq.) Parl.	Weeping Alkaligrass
<i>Schizachne purpurascens</i> (Torr.) Swallen	False Melic
<i>Setaria pumila</i> (Poir.) Schult.	Yellow Bristlegrass
<i>Setaria viridis</i> (L.) P. Beauv.	Green Bristlegrass
<i>Sorghastrum nutans</i> (L.) Nash	Indian Grass
<i>Spartina pectinata</i> Link	Prairie Cordgrass
<i>Sphenopholis intermedia</i> (Rydb.) Rydb.	Slender Wedgescale
<i>Torreyochloa pallida</i> (Torr.) Church	Pale False Mannagrass
<i>Zizania palustris</i> L.	Northern Wild Rice
FAMILY SPARGANIACEAE	Bur-reed Family
<i>Sparganium americanum</i> Nutt.	American Burreed
<i>Sparganium angustifolium</i> Michx.	Narrowleaf Burreed
<i>Sparganium erectum</i> Rydb.	Simplestem Burreed
<i>Sparganium eurycarpum</i> Engelm. ex A. Gray	Broadfruit Burreed
<i>Sparganium fluctuans</i> (Morong) Robinson	Floating Burreed
* <i>Sparganium glomeratum</i> (Laestad.) L. Neum.	Clustered Burreed
<i>Sparganium natans</i> L.	Small Burreed

FAMILY TYPHACEAE

Typha angustifolia L.

Typha latifolia L.

FAMILY PONTEDERIACEAE

* *Heteranthera dubia* (Jacq.) MacMill.

Pontederia cordata L.

FAMILY LILIACEAE

Allium schoenoprasum L.

Allium stellatum Fraser ex Ker Gawl.

Asparagus officinalis L.

Clintonia borealis (Aiton) Raf.

Lilium lancifolium Thunb.

Lilium michiganense Farw.

Maianthemum canadense Desf.

Maianthemum racemosum (L.) Link ssp *racemosum*

Maianthemum stellatum (L.) Link

Maianthemum trifolium (L.) Sloboda

Polygonatum biflorum (Walter) Ell.

Polygonatum pubescens (Willd.) Pursh

Streptopus lanceolatus (Ait.) Reveal var *roseus*

Trillium cernuum L.

Uvularia grandiflora Sm.

Uvularia sessilifolia L.

FAMILY IRIDACEAE

Iris germanica L.

Iris versicolor L.

Sisyrinchium montanum Greene

FAMILY SMILACACEAE

Smilax herbacea L.

FAMILY ORCHIDACEAE

Amerorchis rotundifolia (Banks ex Pursh) Hultén

Arethusa bulbosa L.

Calopogon tuberosus (L.) B.S.P.

Calypso bulbosa (L.) Oakes

Corallorhiza maculata (Raf.) Raf.

Corallorhiza striata Lindl.

Corallorhiza trifida Châtel

Cat-tail Family

Narrowleaf Cattail

Broadleaf Cattail

Water-hyacinth Family

Grassleaf Mudplantain

Pickerelweed

Lily Family

Chives

Autumn Onion

Asparagus

Yellow Bluebeadlily

Tiger Lily

Michigan Lily

Canada Beadruby

Feather Solomon's Seal

Starry False Solomon's Seal

Threeleaf False Solomon's Seal

King Solomon's Seal

Hairy Solomon's Seal

Twistedstalk

Whippoorwill Flower

Large Flower Bellwort

Sessileleaf Bellwort

Iris Family

German Iris

Harlequin Blueflag

Mountain Blue Eyed Grass

Catbrier or Smilax Family

Smooth Carrion Flower

Orchid or Orchis Family

Roundleaf Orchid

Dragon's Mouth

Tuberous Grasspink

Fairyslipper Orchid

Summer Coralroot

Hooded Coralroot

Yellow Coralroot

<i>Cypripedium acaule</i> Aiton	Pink Lady's Slipper
<i>Cypripedium calceolus</i> L.	Yellow Lady's Slipper
<i>Cypripedium reginae</i> Walter	Showy Lady's Slipper
<i>Goodyera repens</i> (L.) R. Br.	Lesser Rattlesnake Plantain
<i>Goodyera tessellata</i> Lodd.	Checkered Rattlesnake Plantain
<i>Liparis loeselii</i> (L.) Rich. ex Lindl.	Yellow Widelip Orchid
<i>Listera cordata</i> (L.) R. Br.	Heartleaf Twayblade
<i>Malaxis brachypoda</i> (Gray) Fern.	White Adder's-Mouth Orchid
<i>Malaxis unifolia</i> Michx.	Green Adder's-Mouth Orchid
<i>Platanthera dilatata</i> (Pursh) Lindl. ex Beck	Boreal Bog Orchid
<i>Platanthera hookeri</i> (Torr. ex A. Gray) Lindl.	Hooker's Orchid
<i>Platanthera hyperborea</i> (L.) Lindl.	Northern Green Orchid
<i>Platanthera obtusata</i> (Banks ex Pursh) Lindl.	Blunt Bog Orchid
<i>Platanthera orbiculata</i> (Pursh) Lindl.	Large Roundleaved Orchid
<i>Platanthera psycodes</i> (L.) Lindl.	Lesser Purple Fringed Orchid
* <i>Pogonia ophioglossoides</i> (L.) Juss.	Snakemouth Orchid
<i>Spiranthes lacera</i> (Raf.) Raf.	Northern Slender Ladiestresses