

The following is a comprehensive list of the vascular plants known, or reported, to occur in Minnesota (native, naturalized, and adventive species); these are the names used in the UM Herbarium database.

Family delineations are based on the Angiosperm Phylogeny Group arrangement (Bot. J. Linnean Soc. 141: 399-436, 2003) and *species names* are based on published volumes of the Flora of North America (FNA), recent journals for changes post FNA (if widely accepted by the major taxonomic indices), and Gleason and Cronquist 1991 for others. Although not all taxonomists may agree with FNA, a wide array of experts from many areas have been consulted and this consequently represents the most up-to-date understanding of our flora.

Common names as given in the USDA-NRCS Plants database (2008) are also provided, followed by other common names widely used, and by Indian names where known.

County-level distribution maps are available at www.bonap.org

Pteridophytes

Family and species delineation follows FNA [1993, vol. 2]

Aspleniaceae – spleenwort family

Asplenium platyneuron (L.) Britton, Sterns & Poggenb. / ebony spleenwort
state Special Concern list

Asplenium rhizophyllum L. / walking fern

Asplenium trichomanes L. subsp. *trichomanes* / maidenhair spleenwort
state Threatened list

[*Camptosorus rhizophyllus* (L.) Link see *Asplenium rhizophyllum*]

Azollaceae [Salviniaceae in Mabberley 3rd ed.] – azolla family

Azolla caroliniana Willd. / Carolina mosquito fern

reported for Minnesota by FNA but no specimens at MIN; widespread in eastern US and more cold tolerant than *A. mexicana*, from which it differs in megaspore traits; unfortunately sporocarps are rarely collected but necessary for identification

Azolla mexicana C. Presl / Mexican mosquito fern

some of our specimens probably *A. caroliniana* (see comments under *Azolla caroliniana*)

Dennstaedtiaceae – hay-scented fern family

Pteridium aquilinum (L.) Kuhn var. *latiusculum* (Desv.) Underw. ex A. Heller / western bracken fern;
bracken fern

moderately toxic to livestock

Dryopteridaceae – wood fern family

[*Athyrium angustum* (Willd.) C. Presl see *A. filix-femina* var. *angustum*]

Athyrium filix-femina (L.) Roth ex Mert. var. *angustum* (Willd.) G. Lawson / subarctic lady fern;
northern lady fern

note that the epithet is “filix-femina” not “felix-femina” as often misspelled

[*Athyrium pycnocarpon* (Spreng.) Tidestr. see *Diplazium pycnocarpon*]
 [*Athyrium thelypterioides* (Michx.) Desv. see *Deparia acrostichoides*
Cystopteris bulbifera (L.) Bernh. / bulblet bladder fern; bulblet fern
Cystopteris fragilis (L.) Bernh. / brittle bladder fern; fragile fern; brittle fern
Cystopteris laurentiana (Weath.) Blasdell / St. Lawrence bladder fern; hybrid bladder fern
Cystopteris protrusa (Wealth.) Blasdell / lowland bladder fern; protruding bladder fern
Cystopteris tennesseensis Shaver / Tennessee bladder fern
Cystopteris tenuis (Michx.) Desv. / upland brittle bladder fern; Mackay's brittle fern
Cystopteris x illinoensis R.C. Moran (*C. bulbifera x tenuis*)/ no USDA name; hybrid bladder fern
 sterile hybrid known only from Cook and Rice counties
Deparia acrostichoides (Sw.) M. Kato / silver false spleenwort; silvery spleenwort
Diplazium pycnocarpon (Spreng.) M. Broun / glade fern; narrow-leaved spleenwort
 state Threatened list; northwest limit of distribution
Dryopteris x boottii (Tuck.) Underw. (*D. cristata x intermedia*) / no USDA name; Boott's wood fern
 disposition uncertain (FNA does not recognize names for hybrids involving *D. cristata*); known
 only from Winona Co.
 [*Dryopteris campyloptera* (Kunze) Clarkson / mountain woodfern – previous reports for Minnesota were
 based on misidentified specimens]
Dryopteris carthusiana (Vill.) H.P. Fuchs / spinulose wood fern; spinulose shield fern
Dryopteris cristata (L.) A. Gray / crested wood fern; crested fern
Dryopteris expansa (C. Presl) Fraser-Jenk. & Jermy / spreading wood fern; northern wood fern
Dryopteris fragrans (L.) Schott / fragrant wood fern; fragrant fern
Dryopteris goldiana (Hook. ex Goldie) A. Gray / Goldie's wood fern; Goldie's fern
 state Special Concern list
Dryopteris intermedia (Muhl. ex Willd.) A. Gray / intermediate fern; glandular wood fern
Dryopteris marginalis (L.) A. Gray / marginal wood fern; marginal shield fern
 state Threatened list; northwest limit of distribution
 [*Dryopteris spinulosa* (O.F. Müll.) Watt var. *spinulosa* see *D. carthusiana*]
 [*Dryopteris spinulosa* (O.F. Müll.) Watt var. *intermedia* (Muhl. ex Willd.) Underw. see *D. intermedia*]
 [*Dryopteris spinulosa* (O.F. Müll.) Watt var. *fructuosa* (Gilbert) Trudell see *D.x triploidea*]
Dryopteris x triploidea Wherry (*D. carthusiana x intermedia*) / no USDA name; triploid shield fern
Dryopteris x uliginosa (A. Braun ex Dowell) Druce (*D. carthusiana x cristata*) / no USDA name;
 swamp shield fern – not *Dryopteris uliginosa* (Kunze) C. Christensen
 an accepted name for the hybrid (fide ITIS & IPNI) but not included in FNA
Gymnocarpium x brittonianum (Sarvela) Pryer & Haufler (*G. disjunctum x dryopteris*) / no USDA name;
 Britton's oak fern
Gymnocarpium dryopteris (L.) Newman / western oak fern; common oak fern
Gymnocarpium x intermedium Sarvela (*G. jessoense x parvulum*) / no USDA name; intermediate oak fern
Gymnocarpium jessoense (Koidz.) Koidz. subsp. *parvulum* Sarvela / Asian oak fern; Nahanni oak fern
Gymnocarpium robertianum (Hoffm.) Newman / scented oak fern; northern oak fern
Matteuccia struthiopteris (L.) Todaro var. *pensylvanica* (Willd.) C.V. Morton / ostrich fern
Onoclea sensibilis L. / sensitive fern [Mabberley 3rd ed. places this in Onocleaceae]
Polystichum acrostichoides (Michx.) Schott / christmas fern
 state Threatened list; northwest limit of distribution
Polystichum braunii (Spenn.) Fée / Braun's holly fern
 state Endangered list
Polystichum lonchitis (L.) Roth / northern holly fern
 reported for Minnesota (northeast corner) by FNA but no specimens at MIN; known from Ontario and WI
 [Mabberley 3rd ed. places *Woodsia* in Woodsiaceae]
Woodsia x abbeae Butters (*W. ilvensis x oregana cathcartiana*; sterile hybrid) / no USDA name;
 Abbe's woodsia
Woodsia alpina (Bolton) A. Gray / alpine woodsia
 state Special Concern list
 [*Woodsia cathcartiana* B.L. Rob. see *W. oregana* subsp. *cathcartiana*]
Woodsia glabella R. Br. ex Richardson / smooth woodsia
 state Threatened list

Woodsia x gracilis (Lawson) Butters (*W. alpina x ilvensis*; sterile hybrid) / no USDA name; slender woodsia
Woodsia ilvensis (L.) R. Br. / rusty woodsia
Woodsia x maxonii R.M. Tryon (*W. oregana x scopulina*) / no USDA name; Maxon's woodsia
known only from Cook Co. (last collected 1947)
Woodsia obtusa (Spreng.) Torr. subsp. *obtusa* / blunt-lobe cliff fern; blunt-lobed woodsia
Woodsia oregana D.C. Eaton subsp. *cathcartiana* (B.L. Rob.) Windham / Oregon cliff fern; Oregon woodsia
Woodsia scopulina D.C. Eaton subsp. *laurentiana* Windham / Rocky Mountain woodsia
state Threatened list; known only from Cook Co.

Equisetaceae – horsetail family

Equisetum arvense L. / field horsetail
toxic to livestock, especially horses
Equisetum x ferrissii Clute (*E. hyemale x laevigatum*) / no USDA name; Ferriss' scouring-rush
Equisetum fluviatile L. / water horsetail; river horsetail
Equisetum hyemale L. subsp. *affine* (Engelm.) Calder & Roy L. Taylor / scouring-rush horsetail; tall
scouring-rush
toxic to livestock, especially horses; considered a weed by some as can be aggressive
[*Equisetum kansanum* J.H. Schaffn. see *E. laevigatum*]
Equisetum laevigatum A. Braun / smooth horsetail; smooth scouring-rush
Equisetum x litorale Kühlew. ex Rupr. (*E. arvense x fluviatile*) / no USDA name; shallow-water horsetail
Equisetum x mackaii (Newman) Brichan (*E. hyemale x variegatum*) / no USDA name; Mack's
scouring-rush
Equisetum x nelsonii (A.A. Eaton) J.H. Schaffner (*E. laevigatum x variegatum*) / no USDA name; Nelson's
horsetail
often mistaken for diminutive form of *E. x ferrissii*
Equisetum palustre L. / marsh horsetail
toxic to livestock
Equisetum pratense Ehrh. / meadow horsetail
Equisetum scirpoides Michx. / dwarf scouring-rush
Equisetum sylvaticum L. / woodland horsetail; woods horsetail
[*Equisetum x trachyodon* (A. Braun) W.D.J. Koch see *E. x mackaii*]
Equisetum variegatum Schleich. ex F. Weber & D. Mohr subsp. *variegatum* / variegated scouring-rush

Isoëtaceae – quillwort family

Isoëtes echinospora Durieu / spiny-spored quillwort; Braun's quillwort
vars. not recognized
[*Isoëtes hieroglyphica* A.A. Eaton see *I. lacustris*]
Isoëtes lacustris L. / lake quillwort
[*Isoëtes macrospora* Durieu see *I. lacustris*]
Isoëtes melanopoda Gay & Durieu / blackfoot quillwort; prairie quillwort
state Endangered list; northern limit of distribution
[*Isoëtes tenella* L. / spiny-spore quillwort – misapplied to our flora, see *I. echinospora*]

Lycopodiaceae – clubmoss family

Many of the non-*Lycopodium* members of this family can be confusing to understand taxonomically since they exhibit much hybridization and often subtle distinguishing characters. Ecotypic variation is also common.

[*Dendrolycopodium* has recently been segregated from *Lycopodium* (A. Haines 2003) but this view is not widely accepted or included in the major plant indices and is not used here
[*Dendrolycopodium dendroideum* (Michx.) A. Haines see *Lycopodium dendroideum*]
[*Dendrolycopodium hickeyi* (W.H. Wagner, Beitel & R.C. Moran) A. Haines see *Lycopodium hickeyi*]
Diphasiastrum complanatum (L.) Holub / trailing clubmoss; northern groundcedar
Diphasiastrum digitatum (Dill. ex A. Braun) Holub / fan clubmoss; southern groundcedar
Diphasiastrum x habereri (House) Holub (*D. digitatum x tristachyum*) / no USDA name; Haberer's
groundcedar
easily confused with both parents
Diphasiastrum tristachyum (Pursh) Holub / deep-root clubmoss; wiry groundcedar

Diphasiastrum x zeilleri (Rouy) Holub (*D. complanatum x tristachyum*) / no USDA name; Zeiller's groundcedar

Huperzia appalachiana Beitel & Mickel / Appalachian clubmoss; Appalachian fir-moss hybridizes frequently with *H. selago* and rarely with *H. lucidula*

[*Huperzia appressa* A. Löve & D. Löve – misapplied to our flora, see *H. appalachiana*]

Huperzia x bartleyi (Cusick) Kartesz & Gandhi (*H. lucidula x porophila*; sterile hybrid) / no USDA name; Bartley's clubmoss

range extension from Great Lakes states; known only from Lake Co. (Tettegouche State Park)

Huperzia x buttersii (Abbe) Kartesz & Gandhi (*H. lucidula x selago*) / no USDA name; Butters' fir-moss

Huperzia x josephbeitellii A. Haines (*H. appalachiana x selago*) / no USDA name recently elevated to species status (Haines, A. 2003. The Families Huperziaceae and Lycopodiaceae of New England (Addendum), p. 100.)

Huperzia lucidula (Michx.) Trevis. / shining clubmoss; shining fir-moss

Huperzia porophila (F.E. Lloyd & Underw.) Holub / rock clubmoss; rock fir-moss state Threatened list; disjunct from IL and IN

Huperzia x protoporophila A. Haines (*H. appalachiana x lucidula*) / no USDA name recently elevated to species status (Haines, A. 2003. The Families Huperziaceae and Lycopodiaceae of New England (Addendum), p. 100.); known only from Cook Co.

Huperzia selago (L.) Bernhardt ex Schrank & Martius / fir clubmoss; northern fir-moss vars./subsp. not recognized in FNA

Lycopodiella inundata (L.) Holub / inundated clubmoss; bog clubmoss

Lycopodium annotinum L. / stiff clubmoss; bristly clubmoss

[*Lycopodium x buttersii* Abbe see *Huperzia x buttersii*]

Lycopodium clavatum L. / running clubmoss; common clubmoss potentially toxic

[*Lycopodium complanatum* L. see *Diphasiastrum complanatum*]

[*Lycopodium complanatum* L. var. *flabelliforme* Fernald see *Diphasiastrum digitatum*]

[*Lycopodium complanatum x tristachyum* see *Diphasiastrum x zeilleri*]

Lycopodium dendroideum Michx. / tree groundpine; round-branched groundpine

[*Lycopodium digitatum* Dill. ex A. Braun see *Diphasiastrum digitatum*]

[*Lycopodium digitatum x tristachyum* see *Diphasiastrum x habereri*]

[*Lycopodium flabelliforme* (Fernald) Blanch. see *Diphasiastrum digitatum*]

[*Lycopodium x habereri* House see *Diphasiastrum x habereri*]

Lycopodium hickeyi W.H. Wagner, Beitel & R.C. Moran / Pennsylvania clubmoss; princess pine

[*Lycopodium inundatum* L. see *Lycopodiella inundata*]

Lycopodium lagopus (Laest. ex C. Hartm.) G. Zinserl. ex Kuzen. / one-cone clubmoss

[*Lycopodium lucidulum* Michx. see *Huperzia lucidula*]

Lycopodium obscurum L. / rare clubmoss; flat-branched tree clubmoss to be expected in rich hardwoods in the St. Croix Valley; known from adjacent WI eastward

[*Lycopodium obscurum* L. var. *dendroideum* (Michx.) D.C. Eaton see *L. dendroideum*]

[*Lycopodium obscurum* L. var. *isophyllum* Hickey see *L. hickeyi*]

[*Lycopodium porophilum* F.E. Lloyd & Underw. see *Huperzia porophila*]

[*Lycopodium selago* L. see *Huperzia selago*]

[*Lycopodium tristachyum* Pursh see *Diphasiastrum tristachyum*]

[*Spinulum* see *Lycopodium* – this has recently been segregated from *Lycopodium* (A. Haines 2003) but this view is not widely accepted nor included in the major plant indices and is not used here]

[*Spinulum canadense* (Nessel) A. Haines see *Lycopodium annotinum*]

Marsileaceae – water clover family

[*Marsilea mucronata* A. Braun see *M. vestita*]

Marsilea vestita Hook. & Grev. / hairy waterclover

state Endangered list; northeast limit of distribution

Ophioglossaceae – adder's tongue family

Botrychium acuminatum W.H. Wagner / tailed grape fern; pointed moonwort

restricted to Lake Superior region; known only from Cook Co.

Botrychium ascendens W.H. Wagner / triangle-lobe moonwort; upswept moonwort
known only from mine dumps in Crow Wing Co. (and one location in St. Louis Co.); disjunct from the western montane region and Hudson Bay

Botrychium campestre W.H. Wagner & Farrar / Iowa moonwort; prairie moonwort
state Special Concern list

Botrychium dissectum Spreng. / cut-leaf grape fern; dissected grape fern

Botrychium gallicomontanum Farrar & Johnson-Groh / Frenchman's Bluff grape fern;
Frenchman's Bluff moonwort
state Endangered list; previously thought to be endemic to Minnesota (fide D. Farrar a population also exists in MT)

[*Botrychium hesperium* (Maxon & R.T. Clausen) W.H. Wagner & Lellinger / western moonwort – one specimen previously identified by W.H. Wagner as possibly this species, was later annotated as coming from a population of *B. matricariifolium*. *Botrychium hesperium* is known from the Thunder Bay area of Ontario and Upper Peninsula MI]

Botrychium lanceolatum (S.G. Gmel.) Ångstr. subsp. *angustisegmentum* (Pease & A.H. Moore) R.T. Clausen / lance-leaf grape fern; narrow triangle moonwort
state Threatened list

Botrychium lineare W.H. Wagner / narrow-leaf grape fern; linear-leaved moonwort
Wagner & Wagner did not include this species in their treatment for FNA; disjunct from MT; known only from mine dumps in St. Louis Co.;

Botrychium lunaria (L.) Sw. / common moonwort
state Threatened list

Botrychium matricariifolium (Döll) A. Braun ex W.D.J. Koch / matricary grape fern
[*Botrychium michiganense* – an invalid (unpublished) name used by the MN-DNR for populations that are hybrids of *B. lanceolatum* x *pallidum* fide D. Farrar, unpubl.data]

Botrychium minganense Vict. / Mingan moonwort
state Special Concern list

Botrychium mormo W.H. Wagner / little goblin moonwort; goblin fern
state Special Concern list

Botrychium multifidum (S.G. Gmel.) Rupr. / leathery grape fern
[*Botrychium neolunaria* – an invalid (unpublished) name used by the MN-DNR referring to New World populations of *B. lunaria* fide D. Farrar, unpubl. data]

Botrychium oneidense (Gilbert) House / blunt-lobed grape fern
state Endangered list; western limit of distribution

Botrychium pallidum W.H. Wagner / pale botrychium; pale moonwort
state Endangered list; mostly limited to upper Great Lakes region

Botrychium pseudopinnatum W.H. Wagner / false daisy-leaf moonwort; false northwestern moonwort
range extension from Ontario; known only from St. Louis Co. (only known specimen at DUL)

Botrychium rugulosum W.H. Wagner / ternate grape fern; St. Lawrence grape fern
state Threatened list; western limit of distribution

Botrychium simplex E. Hitchc. / little grape fern; least moonwort
vars. not recognized
state Special Concern list

Botrychium spathulatum W.H. Wagner / spatulate botrychium; spoon-leaf moonwort
known only from Crow Wing and Cook counties

Botrychium virginianum (L.) Sw. / rattlesnake fern; common grape fern
[*Botrypus* see *Botrychium* – an older name for a subgroup of *Botrychium* that differs in having some sterile fronds; recent phylogenetic research has shown this group is paraphyletic and maintains including this within *Botrychium*]

Ophioglossum pusillum Raf. / northern adder's-tongue
[*Sceptridium* see *Botrychium* – an older name for a subgroup of *Botrychium* that differ in having some sterile fronds and are evergreen, but this segregation is not widely accepted and not used here]

Osmundaceae – royal fern family

[*Osmunda cinnamomea* L. see *Osmundastrum cinnamomeum*]

Osmunda claytoniana L. / interrupted fern
Osmunda regalis L. var. *spectabilis* (Willd.) A. Gray / royal fern
Osmundastrum cinnamomeum (L.) C. Presl / cinnamon fern
(see J.S. Metzgar et al., 2008, Systematic Botany 33(1): 31-36 for discussion of the name change)

Polypodiaceae – polypody family

Polypodium virginianum L. / rock polypody; rabbit's-foot fern; common polypody

Pteridaceae – maidenhair fern family

Adiantum pedatum L. / northern maidenhair fern

Cheilanthes feei T. Moore / slender lip fern

[*Cheilanthes lanosa* (Michx.) D.C. Eaton / hairy lip fern – state Endangered list; previous reports from Minnesota were based on a misidentified specimen; known from WI (“St. Croix River”) south and eastward]

Cryptogramma stelleri (S.G. Gmel.) Prantl / fragile rockbrake; slender cliffbrake

[*Nephrodium lanosum* Michx. see *Cheilanthes lanosa*]

Pellaea atropurpurea (L.) Link / purple cliffbrake
state Special Concern list

Pellaea glabella Mett. ex Kuhn subsp. *glabella* / smooth cliffbrake

Salviniaceae – floating fern family

Salvinia molesta Mitchell / kariba weed

federal noxious weed and on MN-DNR's Prohibited Invasive Species list; common aquarium plant native to tropical Asia and known only from southernmost states; unlikely to be overwintering in Minnesota; reports from Winona Co. unverified

Selaginellaceae – spikemoss family

Selaginella rupestris (L.) Spring / northern selaginella; rock spikemoss

Selaginella selaginoides (L.) P. Beauv. ex Mart. & Schrank / club spikemoss; northern spikemoss
state Endangered list; known only from Cook Co.

Thelypteridaceae – marsh fern family

Phegopteris connectilis (Michx.) Watt / long beech fern; northern beech fern

Phegopteris hexagonoptera (Michx.) Fée / broad beech fern
state Threatened list; northwest limit of distribution

[*Thelypteris hexagonoptera* (Michx.) Nieuwl. see *Phegopteris hexagonoptera*]

Thelypteris palustris Schott var. *pubescens* (Lawson) Fernald / eastern marsh fern; northern marsh fern

[*Thelypteris phegopteris* (L.) Sloss. see *Phegopteris connectilis*]

Gymnosperms

Family and species delineations follow FNA [1993, vol. 2]

Cupressaceae

Juniperus communis L. var. *depressa* Pursh / common juniper; bush juniper

Juniperus horizontalis Moench / creeping juniper
state Special Concern list

Juniperus virginiana L. var. *virginiana* / eastern red-cedar; red juniper; hante sha (Dakota)

Thuja occidentalis L. / arborvitae; northern white-cedar
leaf oil toxic

Pinaceae

Abies balsamea (L.) Mill. / balsam fir
may cause skin irritation

Abies fraseri (Pursh) Poir. / fraser fir

native to southeastern US; known only from Kanabec Co., probable escapee from tree farm

Larix decidua Mill. / European larch

native to Eurasia
Larix laricina (Du Roi) K. Koch / tamarack; eastern larch
Picea abies (L.) H. Karst. / Norway spruce
native to Europe
Picea glauca (Moench) Voss / white spruce
Picea mariana (Mill.) Britton, Sterns & Poggenb. / black spruce
Picea pungens Engelm. / blue spruce
native to western US; known only from Lake of the Woods Co., probable escapee from plantation
[*Picea x rosendahlii* – an invalid name, see *P. glauca x mariana*]
Pinus banksiana Lamb. / jack pine
Pinus resinosa Aiton / red pine; Norway pine
Pinus rigida Mill. / pitch pine
native to eastern US and Canada; known only from Washington Co., escapee from plantation
Pinus strobus L. / eastern white pine
Pinus sylvestris L. / Scots pine; scotch pine
native to Europe
Pseudotsuga menziesii (Mirbel) Franco / douglas-fir
native to Pacific Northwest; known only from Winona Co.
Tsuga canadensis (L.) Carrière / eastern hemlock
state Special Concern list

Taxaceae

Taxus canadensis Marshall / Canadian yew
deadly poisonous to humans, pets, and livestock

Angiosperms

Acanthaceae

Hygrophila polysperma (Roxb.) T. Anderson / Indian swampweed; Miramar weed
federal noxious weed and on MN-DNR Prohibited Invasive Species list, but not yet reported
from MN (known only from FL, TX, VA)
Ruellia humilis Nutt. / fringe-leaf wild-petunia
reported for Minnesota (Washington Co.) by MN-DNR but no specimens at MIN;
known from NE, IA, WI, south- and eastward

Aceraceae see Sapindaceae

Acoraceae [fide FNA 2000, vol. 22]

Acorus americanus (Raf.) Raf. / sweetflag
root extract reportedly repels some insects
Acorus calamus L. / calamus
native to Europe; sterile polyploid species

Adoxaceae

Adoxa moschatellina L. / muskroot; moschatel
state Special Concern list
Sambucus canadensis L. var. *canadensis* / black elderberry; common elder
plant potentially toxic but cooked fruits edible
[*Sambucus canadensis* L. var. *acutiloba* – an invalid (unpublished) name, see var. *canadensis*]
[*Sambucus canadensis* L. var. *laciniata* A. Gray see var. *canadensis*]
[*Sambucus nigra* L. subsp. *canadensis* (L.) R. Bolli see *S. canadensis*]
[*Sambucus pubens* Michx. see *S. racemosa*]
Sambucus racemosa L. / red elderberry; red-berried elder
[*Viburnum acerifolium* L. / maple-leaf viburnum – reports of this species from Minnesota not
verified; known from Burnett Co. WI and frequently mistaken for *V. opulus* var. *americanum*

Viburnum dentatum L. / southern arrow-wood
 native to southeastern US; known only from Lake Co., probably planted
Viburnum edule (Michx.) Raf. / squashberry
Viburnum lantana L. / wayfaring tree
 native to Eurasia
Viburnum lentago L. / nannyberry
Viburnum opulus L. / cranberrybush
 var. *americanum* Aiton / American cranberrybush; highbush-cranberry
 var. *opulus* / European cranberrybush; snowball bush – native to Eurasia
Viburnum rafinesquianum Schult. / downy arrow-wood
 var. *affine* (Bush ex C.K. Schneid.) House
 var. *rafinesquianum*
 [*Viburnum trilobum* Marshall see *V. opulus* var. *americanum*]

Aizoaceae see Molluginaceae for MN taxa

Alismataceae [fide FNA 2000, vol. 22]

Alisma gramineum Lej. / narrow-leaf water-plantain; grass-leaved water-plantain
 [*Alisma plantago-aquatica* L. var. *americana* Schult. see *A. triviale*]
 [*Alisma plantago-aquatica* L. var. *parviflorum* (Pursh) Torr. see *A. subcordatum*]
Alisma subcordatum Raf. / American water-plantain; heart-leaf water-plantain
Alisma triviale Pursh / northern water-plantain; common water-plantain
 [*Lophotocarpus calycinus* (Engelm.) J.G. Sm. see *Sagittaria montevidensis* subsp. *calycina*]
Sagittaria brevirostra Mack. & Bush / shortbeak arrowhead; Midwestern arrowhead
 [*Sagittaria calycina* Engelm. see *S. montevidensis* subsp. *calycina*]
Sagittaria cristata Engelm. / crested arrowhead
Sagittaria cuneata E. Sheld. / arrow-leaf arrowhead; northern arrowhead; wapato
 [*Sagittaria graminea* Michx. var. *cristata* (Engelm.) Bogin see *S. cristata*]
Sagittaria graminea Michx. subsp. *graminea* / grassy arrowhead; grass-leaf arrowhead
 reported for Minnesota by FNA but no specimens at MIN; known from Ontario, WI, IA
Sagittaria latifolia Willd. / broadleaf arrowhead; wapato
 corms are edible
Sagittaria montevidensis Cham. & Schtdl. subsp. *calycina* (Engelm.) Bogin / hooded arrowhead
Sagittaria rigida Pursh / sessile-fruited arrowhead

Alliaceae [fide FNA 2002, vol.26]

[*Allium burdickii* (Hanes) A.G. Jones see *A. tricoccum* var. *burdickii*]
Allium canadense L. var. *canadense* / meadow garlic; wild garlic
Allium cernuum Roth / nodding onion; nodding wild onion
 state Threatened list
Allium hollandicum R.M. Fritsch / purple sensation onion; Persian onion
 hybrid ornamental rarely escaping; known only from St. Louis Co.
Allium schoenoprasum L. / wild chives
 state Threatened list
 vars. not recognized
Allium stellatum Ker-Gawl. / autumn onion; prairie onion
Allium textile A. Nels. & J.F. Macbr. / textile onion; white wild onion
Allium tricoccum Aiton / ramp; narrow-leaf wild leek; Burdick's wild leek
 var. *burdickii* Hanes / narrow-leaf wild leek; Burdick's wild leek
 var. *tricoccum* / ramp

Amaranthaceae [fide FNA 2003, vol. 4]

Amaranthus albus L. / prostrate pigweed; tumbleweed
 native to Eurasia; often confused with *A. blitoides*
Amaranthus blitoides S. Watson / mat amaranth; prostrate pigweed
 considered native to the central US by FNA, 1st collected 1886, Winona Co.

[*Amaranthus caudatus* L. / love-lies-bleeding; purple amaranth – hybrid ornamental; erroneously reported as naturalized for Minnesota by USDA-NRCS; probably misidentified *A. hybridus*]

[*Amaranthus graecizans* L. misapplied to North American flora, see *A. albus* or *A. blitoides*]

Amaranthus hybridus L. / slim amaranth; smooth pigweed
native to eastern US; highly variable and often confused with *A. powellii* or *A. retroflexus*

Amaranthus hypochondriacus L. / Prince-of-Wales-feather; prince's-feather
native to southwestern US; adventive near cultivated fields but unlikely to be persisting

Amaranthus powellii S. Watson / Powell's amaranth; tall amaranth
native to southwestern US; often hybridizes with *A. hybridus*

Amaranthus retroflexus L. var. *retroflexus* / redroot amaranth; redroot
native to subtropical America, 1st collected 1880, Wabasha Co.; highly variable and poisonous to livestock

[*Amaranthus rudis* J.D. Sauer see *A. tuberculatus*]

Amaranthus spinosus L. / spiny amaranth; thorny amaranth
native to tropical America; reported for Minnesota by FNA but no specimens at MIN

[*Amaranthus tamariscinus* Nutt. see *A. tuberculatus*]

Amaranthus tuberculatus (Moq.) J.D. Sauer / rough-fruit amaranth; tamarack waterhemp

Atriplex argentea Nutt. var. *argentea* / silverscale saltbush
to be expected in the far southwestern corner (known from SD), on dry saline soils

Atriplex dioica (Nutt.) J.F. Macbr. / Suckley's endolepis; thickleaf orach
reported for Minnesota by FNA but no specimens at MIN; known from Manitoba, ND, SD on saline soils

[*Atriplex glabriuscula* Edmondston var. *glabriuscula* / Scotland orache; northeastern saltbush – coastal and arctic species erroneously reported for Minnesota by USDA-NRCS]

[*Atriplex hastata* L. – misapplied to our flora, see *A. patula* or *A. prostrata*]

[*Atriplex heterosperma* Bunge / two-scale saltbush – western species erroneously(?) reported for Minnesota by Atlas of the Flora of the Great Plains but no specimens at MIN]

Atriplex hortensis L. / garden orach; orache
native to Asia; known only from Pipestone Co. (one urban population, last collected 1925)

[*Atriplex micrantha* Ledeb see *A. heterosperma*]

Atriplex patula L. / spear saltbush; spearscale; spear orach
native to the Mediterranean region

Atriplex prostrata Bouchér ex DC. / triangle orach; thinleaf orach; spearscale
native to Eurasia

Axyris amaranthoides L. / Russian pigweed
native to Siberia

[*Bassia scoparia* (L.) A.J. Scott see *Kochia scoparia*]

Beta vulgaris L. subsp. *vulgaris* / sugar beet; swiss chard; sea beet
native to Europe; known only from Roseau Co. (one riverside population, last collected 1939), doubtfully persisting

Chenopodium album L. / lamb's-quarters; white lamb's-quarters; common pigweed
native to Europe, 1st collected 1877, Hennepin Co.

Chenopodium berlandieri Moq. / pitseed goosefoot; pigweed
var. *bushianum* (Aellen) Cronquist / Bush's goosefoot
var. *zschackei* (Murr) Murr ex Asch. / Zschack's goosefoot

[*Chenopodium botrys* L. see *Dysphania botrys*]

[*Chenopodium bushianum* Aellen see *C. berlandieri* var. *bushianum*]

Chenopodium capitatum (L.) Asch. var. *capitatum* / blite goosefoot; strawberry blite

Chenopodium desiccatum A. Nels. / arid-land goosefoot; narrow-leaf goosefoot
native to western US; known only from Morrison and Wabasha counties

[*Chenopodium foggii* Wahl / Fogg's goosefoot – eastern species erroneously reported for Minnesota by USDA-NRCS; probably misidentified *C. standleyanum* or *C. pratericola*]

[*Chenopodium gigantospermum* Aellen see *C. simplex*]

Chenopodium glaucum L. / oak-leaf goosefoot
var. *glaucum*
var. *salinum* (Standl.) B. Boivin / Rocky Mountain goosefoot

[*Chenopodium humile* Hook. see *C. rubrum* var. *humile*]
 [*Chenopodium hybridum* L. see *C. simplex*]
Chenopodium leptophyllum (Moq.) Nutt. ex S. Watson / narrow-leaf goosefoot
 often confused with *C. pratericola*
Chenopodium pratericola Rydb. / desert goosefoot; narrow-leaf goosefoot
Chenopodium rubrum L. / red goosefoot; red pigweed; alkali blite
 var. *humile* (Hook.) S. Watson / marshland goosefoot
 var. *rubrum*
 [*Chenopodium salinum* Standl. see *C. glaucum* var. *salinum*]
Chenopodium simplex (Torr.) Raf. / maple-leaf goosefoot
Chenopodium standleyanum Aellen / Standley's goosefoot; woodland goosefoot
Chenopodium strictum Roth / late-flowering goosefoot
 known only from Mille Lacs Co. (historical collection of 1892); native and introduced forms exist
 but are difficult to distinguish
Chenopodium urticum L. / city goosefoot
 reported for Minnesota by USDA-NRCS but no specimens at MIN
Corispermum americanum (Nutt.) Nutt. var. *americanum* / American bugseed; neat bugseed
 [*Corispermum hyssopifolium* L. see *C. pallasii*]
 [*Corispermum nitidum* Kitaibel ex Schultes – misapplied to our flora, see *C. americanum*]
 [*Corispermum orientale* L. – misapplied to our flora, see *C. villosum*]
Corispermum pallasii Steven / Siberian bugseed; hyssop-leaved bugseed
Corispermum villosum Rydb. / hairy bugseed; eastern bugseed
Cycloloma atriplicifolium (Spreng.) J.M. Coult. / winged pigweed
Dysphania ambrosioides (L.) Mosyakin & Clemants / Mexican-tea
 to be expected in the far southeast corner (known from IA, WI), on drying river beds
 and lake bottoms
Dysphania botrys (L.) Mosyakin & Clemants / Jerusalem-oak goosefoot
 native to Eurasia
Froelichia floridana (Nutt.) Moq. / plains snake-cotton; prairie cottonweed
Kochia scoparia (L.) Schrad. subsp. *scoparia* / burning bush; summer-cypress
 native to Eurasia, 1st collected 1932 in Dakota and Hennepin counties
Monolepis nuttalliana (Schultes) Greene / Nuttall's povertyweed
Salicornia rubra A. Nels. / red swampfire; red saltwort; western glasswort
 state Threatened list; eastern limit of distribution
Salsola collina Pallas / slender Russian-thistle; salsola tumbleweed
 native to Siberia
 [*Salsola iberica* Sennen & Pau. see *S. tragus*]
 [*Salsola kali* L. – misapplied to our flora, see *S. tragus*]
Salsola tragus L. / prickly Russian-thistle; tumbleweed
 native to Eurasia, 1st collected 1890, Hennepin Co.
Suaeda calceoliformis (Hook.) Moq. / purshe seepweed; sea blite
 [*Suaeda depressa* (Pursh) S. Watson see *S. calceoliformis*]

Anacardiaceae

Rhus aromatica Aiton var. *aromatica* / fragrant sumac
 native to eastern and southern US
Rhus x borealis (Britton) Greene (*R. glabra* x *typhina*) / northern smooth; hybrid sumac
Rhus glabra L. / smooth sumac; canzi' (Lakota)
 [*Rhus hirta* (L.) Sudw. see *R. typhina*]
 [*Rhus x pulvinata* Greene see *R. x borealis*]
 [*Rhus radicans* L. var. *radicans* see *Toxicodendron radicans*]
 [*Rhus radicans* L. var. *rydbergii* (Small ex Rydb.) Rehder see *Toxicodendron rydbergii*]
Rhus typhina L. / staghorn sumac
 [*Rhus vernix* L. see *Toxicodendron vernix*]
Toxicodendron radicans (L.) Kuntze var. *negundo* (Greene) Gillis / poison-oak; eastern poison-ivy
 state DOA specially-regulated-noxious weed; can cause severe skin irritation

Toxicodendron rydbergii (Small ex Rydb.) Greene / western poison-ivy; common poison-ivy
state DOA noxious weed; can cause severe skin irritation
Toxicodendron vernix (L.) Kuntze / poison sumac
can cause severe skin irritation

Apiaceae

Aegopodium podagraria L. / bishop's goutweed
native to Eurasia; known to be an aggressive invader in other regions
Aethusa cynapium L. / fool's-parsley
native to Eurasia
Anethum graveolens L. / dill
native to southern Europe
Angelica atropurpurea L. / purple-stem angelica
Angelica venenosa (Greenway) Fernald / hairy angelica
reported for Minnesota by Gleason & Cronquist 1991 but no specimens at MIN; known
from MO, IL, MI in dry woods
Anthriscus sylvestris (L.) Hoffman / wild chervil
native to Europe
Berula erecta (Huds.) Coville / cut-leaf water-parsnip; stream parsnip
[*Berula pusilla* (Nutt. ex Torr. & A. Gray) Fernald see *B. erecta*]
Carum carvi L. / caraway
native to Eurasia
Cicuta bulbifera L. / bulblet-bearing water-hemlock
Cicuta maculata L. var. *maculata* / spotted water-hemlock
one of the deadliest poisonous plants in the US, to humans and animals
Conioselinum chinense (L.) Britton, Sterns & Poggenb. / Chinese hemlock-parsley
reported for Minnesota by Gleason & Cronquist 1991 but no specimens at MIN; known from
Ontario, WI, IA in wet meadows and swamps
Conium maculatum L. / poison-hemlock
native to Eurasia; plants deadly poisonous to humans and animals (the poison of Socrates)
1st collected 1992
Cryptotaenia canadensis (L.) DC. / Canadian honewort
Cymopterus acaulis (Pursh) Raf. var. *acaulis* / plains spring-parsley
state Special Concern list, eastern limit of distribution; known only from Clay Co.
Daucus carota L. / Queen Anne's lace; wild carrot
native to Eurasia, 1st collected 1916, Ramsey Co.
Eryngium yuccifolium Michx. / button eryngio; rattlesnake master
state Special Concern list
Heracleum lanatum Michx. / common cow-parsnip
poisonous to livestock
[*Heracleum maximum* W. Bartram see *H. lanatum*]
[*Hydrocotyle* see Araliaceae]
Levisticum officinale W.D.J. Koch / garden lovage
native to Mediterranean region; reported for Minnesota as a garden escape by UDSA-NRCS but
no specimens at MIN
Lomatium orientale J.M. Coult. & Rose / northern Idaho biscuitroot; desert-parsley
[*Osmorhiza berteroi* DC. see *O. chilensis*]
Osmorhiza chilensis Hook. & Arn. / Chilean sweet cicely
state Endangered list
Osmorhiza claytonii (Michx.) C.B. Clarke / Clayton's sweetroot; Clayton's sweet cicely
Osmorhiza depauperata Phil. / blunt-seed sweetroot; blunt-fruit sweet cicely
state Special Concern list; known only from Cook Co.
Osmorhiza longistylis (Torr.) DC. / long-styled sweetroot; aniseroot
[*Osmorhiza obtusa* (Coul. & Rose) Fern. see *O. depauperata*]
Oxypolis rigidior (L.) Raf. / stiff cowbane
Pastinaca sativa L. / wild parsnip

native to Eurasia; can cause severe skin irritation
Pimpinella saxifraga L. / solid-stem burnet-saxifrage
 native to Eurasia; state DOA controlled-noxious weed; known only from Pine Co.
Polytaenia nuttallii DC. / Nuttall's prairie-parsley
 state Special Concern list; known only from Fillmore Co. (historical collection of 1915)
Sanicula canadensis L. / Canadian black snakeroot
Sanicula gregaria E.P. Bicknell / clustered black snakeroot; gregarious black snakeroot
Sanicula marilandica L. / Maryland black snakeroot; Maryland sanicle
 [*Sanicula odorata* (Raf.) K.M. Pryer & L.R. Phillippe see *S. gregaria*]
Sanicula trifoliata E.P. Bicknell / large-fruit black snakeroot; beaked snakeroot
 state Special Concern list
 [*Sium carsonii* Dur. ex A. Gray see *S. suave*]
Sium suave Walter / hemlock water-parsnip
Spermolepis inermis (Nutt. ex DC.) Mathias & Constance / Red River scaleseed; unarmed scaleseed
 native to southern Great Plains; known only from Fillmore Co., doubtfully persisting
Taenidia integerrima (L.) Drude / yellow-pimpernel
Thaspium barbinode (Michx.) Nutt. / hairy-joint meadow-parsnip
Thaspium trifoliatum (L.) A. Gray / purple meadow-parsnip
 [var. *aureum* (L.) Britton see var. *flavum*]
 var. *flavum* S.F. Blake – reported for Minnesota by Gleason & Cronquist 1991 but no
 specimens at MIN; known from Ontario, WI, IL
 [*Thaspium chapmanii* (J.M. Coulter & Rose) Small see *T. barbinode*]
Torilis japonica DC. / Japanese hedge parsley
 native to Eurasia and northern Africa; known only from Ramsey Co.
Zizia aptera (A. Gray) Fernald / meadow zizia; heart-leaf alexanders
Zizia aurea (L.) W.D.J. Koch / golden zizia; golden alexanders

Apocynaceae

Apocynum androsaemifolium L. / spreading dogbane
 plants poisonous
Apocynum cannabinum L. / Indian hemp; American hemp
 plants poisonous
Apocynum x floribundum Greene (*A. androsaemifolium* x *cannabinum*) / no USDA name;
 intermediate dogbane; many-flowered dogbane
 [*Apocynum medium* Greene see *A. x floribundum*]
Apocynum sibiricum Jacq. / Indian-hemp; clasping dogbane
 included in *A. cannabinum* by some
Asclepias - roots and sap of all species toxic to animals
Asclepias amplexicaulis Sm. / clasping milkweed
 state Special Concern list
Asclepias exaltata L. / poke milkweed
Asclepias hirtella (Pennell) Woodson / green milkweed; prairie milkweed
 state Threatened list, northern limit of distribution; known only from Mower Co.
Asclepias incarnata L. var. *incarnata* / swamp milkweed
Asclepias lanuginosa Nutt. / side-clustered milkweed; woolly milkweed
Asclepias ovalifolia Decne. / oval-leaf milkweed
Asclepias purpurascens L. / purple milkweed
 known only from Wabasha Co. (historical collection from 1883)
Asclepias quadrifolia Jacq. / four-leaved milkweed
 reported for Minnesota by USDA-NRCS but no specimens at MIN; known from IA, IL in dry woods
Asclepias speciosa Torr. / showy milkweed
Asclepias stenophylla A. Gray / slim-leaf or narrow-leaf milkweed
 state Endangered list
Asclepias sullivantii Engelm. ex A. Gray / prairie milkweed; Sullivant's milkweed
 state Threatened list; northern limit of distribution
Asclepias syriaca L. / common milkweed

Asclepias tuberosa L. var. *interior* Woodson / butterfly milkweed; butterflyweed
Asclepias verticillata L. / whorled milkweed
Asclepias viridiflora Raf. / green comet milkweed; green milkweed
 [*Cynanchum louiseae* Kartesz & Gandhi see *Vincetoxicum nigrum*]
 [*Cynanchum nigrum* (L.) Pers. see *Vincetoxicum nigrum*]
Vinca minor L. / common periwinkle
 native to southern Europe; occasionally escaping from cultivation and persisting but
 no specimens at MIN
Vincetoxicum nigrum (L.) Moench / Louise's swallow-wort; black swallow-wort; black dogbane
 native to Europe; invasive; known only from Ramsey Co.

Aquifoliaceae

[*Ilex mucronata* (L.) Powell see *Nemopanthus mucronatus*]
Ilex verticillata (L.) A. Gray var. *verticillata* / common winterberry
Nemopanthus mucronatus (L.) Loes. / catberry; mountain-holly

Araceae [fide FNA 2000, vol. 22]

Arisaema dracontium (L.) Schott / green-dragon
 may cause skin irritation, contains calcium-oxalate crystals
Arisaema triphyllum (L.) Schott / jack-in-the-pulpet
 may cause skin irritation, contains calcium-oxalate crystals
 subspp. not formally recognized by FNA since numerous intermediate forms exist with
 much overlap in character expression
Calla palustris L. / water arum; wild calla
 may cause skin irritation, contains calcium-oxalate crystals
Lemna minor L. / common duckweed; lesser duckweed
 most of our specimens were misidentified and instead are *L. turionifera*
Lemna obscura (Austin) Daubs / little duckweed
 northern limit of distribution known only from Washington Co.
Lemna perpusilla Torr. / minute duckweed
Lemna trisulca L. / ivy-leaf duckweed; star duckweed
Lemna turionifera Landolt / turion duckweed
Peltandra virginica (L.) Schott / green arrow arum
 disjunct from central Great Lakes region; known only from Cook Co.
Pistia stratioides L. / water-lettuce
 native to tropics; known only from Winona Co., doubtfully persisting
Spirodela polyrhiza (L.) Schleid. / common duckmeat; greater duckweed
Symplocarpus foetidus (L.) Salisb. ex W.P.C. Barton / skunk-cabbage
 may cause skin irritation, contains calcium-oxalate crystals; roots toxic
Wolffia borealis (Engelm.) Landolt / northern watermeal; spotted watermeal
 [*Wolffia braziliensis* Wedd. – misapplied to our flora, see *W. borealis*]
Wolffia columbiana H. Karst. / Columbian watermeal
Wolffia globosa (Roxb.) Hartog & Plas / Asian watermeal
 reported for Minnesota by FNA and MN-DNR but no specimens at MIN
 [*Wolffia punctata* Griseb. – misapplied to our flora, see *W. borealis*]

Araliaceae

Aralia hispida Vent. / bristly sarsaparilla
Aralia nudicaulis L. / wild sarsaparilla
Aralia racemosa L. / American spikenard
Hydrocotyle americana L. / American marsh-pennywort; American water-pennywort
 state Special Concern list
Hydrocotyle ranunculoides L.f. / floating marsh-pennywort; buttercup marsh-pennywort
 disjunct from eastern OH and TN, possibly introduced; known only from Scott Co. (Shakopee-
 Mdewakanton tribal lands)
Hydrocotyle umbellata L. / many-flowered marsh-pennywort

reported for Minnesota by Gleason & Cronquist 1991 but no specimens at MIN; known from MI, IL

Panax quinquefolius L. / American ginseng
state Special Concern list

Panax trifolius L. / dwarf ginseng

Aristolochiaceae [fide FNA 1997, vol. 3]

Asarum canadense L. / Canadian wild-ginger

Asclepiadaceae see Apocynaceae

Asparagaceae [fide FNA 2002, vol. 26]

Asparagus officinalis L. / common asparagus; garden asparagus
native to Eurasia and north Africa, but evidence suggests that American Indians traded this in pre-European times

Muscari botryoides (L.) Mill. / common grape hyacinth
native to Europe; reported for Minnesota by USDA-NRCS but no specimens at MIN

Asteraceae [fide FNA 2006, vols. 19-21]

Results from recent phylogenetic studies indicate that, although this is a large and diverse family, it is monophyletic. Its relationship to other families, however, has been reassessed and many generic boundaries have been changed with a number of segregates now raised (or, in some cases, re-raised) to generic level.

Achillea alpina L. / Chinese yarrow; Siberian yarrow
state Threatened list, southern limit of distribution; known only from Roseau Co.

Achillea millefolium L. / common yarrow
both native and introduced forms exist but are not distinguishable except on a molecular level
subsp. and vars. not recognized – although much morphological variability occurs, the differences are not considered taxonomically important

Achillea nobilis L. / noble yarrow
native to Europe; apparently introduced with wildlife planting

Achillea ptarmica L. / sneezeweed yarrow; sneezeweed
native to Eurasia

[*Achillea sibirica* Ledeb. see *A. alpina*]

Acroptilon repens (L.) DC. / hardheads; Russian knapweed
native to Asia, known only from Lac Qui Parle Co.

[*Adenocaulon bicolor* Hook. / American trail plant – erroneously reported for Minnesota
by MN-DNR and USDA-NRCS; known from western North America east only to the Black Hills]

Ageratina altissima (L.) King & H.E. Robins. var. *altissima* / white snakeroot
roots and leaves toxic to humans, deadly poisonous to livestock

[*Agoseris x agrestis* Osterh. (*A. glauca glauca x parviflora*) – erroneously reported for Minnesota
by USDA-NRCS; known only from the western US but frequently misapplied to other regions]

[*Agoseris cuspidata* (Pursh) Steud. see *Nothocalais cuspidata*]

Agoseris glauca (Pursh) Raf. / pale agoseris; prairie agoseris; glaucous false dandelion
[var. *agrestis* (Osterh.) Q. Jones ex Cronquist see *Agoseris x agrestis*]
var. *glauca*

[var. *laciniata* (D.C. Eaton) Smiley see *Agoseris parviflora*]

[*Agoseris parviflora* (Nutt.) Greene / false agoseris – western species erroneously reported
for Minnesota by USDA-NRCS]

Ambrosia acanthicarpa Hook. / flat-spine burr ragweed
native to western US, known only from Hennepin Co. (historical collections to 1896)

Ambrosia artemisiifolia L. / annual ragweed; common ragweed
pollen causes allergies

Ambrosia bidentata Michx. / lance-leaf ragweed
known only from Ramsey Co. (one gravel pit population, collected 1914)

[*Ambrosia coronopifolia* Torr. & A. Gray see *A. psilostachya*]

Ambrosia psilostachya DC. / cumin ragweed; western ragweed
Ambrosia tomentosa Nutt. / skeleton-leaf burr ragweed
to be expected on disturbed wet clays or sands (known from ND, SD, IA, WI)
Ambrosia trifida L. / great ragweed; giant ragweed
pollen causes allergies
Anaphalis margaritacea (L.) Benth. & Hook.f. / western everlasting; pearly everlasting
Antennaria – this is a taxonomically difficult genus due to much hybridization,
polyploidization, and various forms of apomixis. Characters such as gender
distribution and presence/absence of stolons and “flags” (linear scarious
appendages of the leaf tips) need to be noted in the field but often aren’t.
[*Antennaria aprica* Greene see *A. parvifolia*]
[*Antennaria arida* E. Nels. see *A. rosea* subsp. *arida*]
[*Antennaria campestris* Rydb. see *A. neglecta*]
[*Antennaria canadensis* Greene see *A. howellii* subsp. *canadensis*]
[*Antennaria fallax* Greene see *A. parlinii* subsp. *fallax*]
Antennaria howellii Greene / Howell’s pussytoes; field pussytoes
subsp. *canadensis* (Greene) R.J. Bayer
subsp. *howellii* – reported for Minnesota by FNA but no specimens at MIN; known
from Ontario, WI, SD and westward
subsp. *neodioica* (Greene) R.J. Bayer
subsp. *petaloidea* (Fernald) R.J. Bayer
Antennaria microphylla Rydb. / little-leaf pussytoes; tiny-leaved pussytoes; rosy pussytoes
[*Antennaria munda* Fernald see *A. parlinii* subsp. *fallax*]
Antennaria neglecta Greene / field pussytoes
[*var. canadensis* (Greene) Cronquist see *A. howellii* subsp. *canadensis*]
[*var. neodioica* (Greene) Cronquist see *A. howellii* subsp. *neodioica*]
[*var. petaloidea* (Fernald) Greene see *A. howellii* subsp. *petaloidea*]
[*Antennaria neodioica* Greene see *A. howellii* subsp. *neodioica*]
Antennaria parlinii Fernald / Parlin’s pussytoes; plantain-leaved pussytoes
subsp. *fallax* (Greene) R.J. Bayer & Stebbins
subsp. *parlinii* – known only from Chisago Co.
Antennaria parvifolia Nutt. / small-leaved pussytoes
state Special Concern list
[*Antennaria petaloidea* Fernald see *A. howellii* subsp. *petaloidea*]
Antennaria plantaginifolia (L.) Richardson / woman’s-tobacco; plantain-leaved pussytoes
[*var. ambigens* (Greene) Cronquist see *A. parlinii* subsp. *fallax*]
Antennaria rosea Greene / rosy pussytoes
[*subsp. arida* (E.E. Nelson) R.J. Bayer – previous report based on a misidentified specimen]
subsp. *rosea* – reported for Minnesota by FNA but no specimens at MIN; known from Ontario,
Manitoba, ND
Anthemis cotula L. / stinking chamomile; dog-fennel
native to Eurasia; pollen may cause allergies
[*Anthemis tinctoria* L. see *Cota tinctoria*]
Arctium lappa L. / greater burdock
native to Eurasia; reported for Minnesota by FNA but no specimens at MIN
Arctium minus (Hill) Bernhardt / lesser burdock; common burdock
native to Eurasia, 1st collected 1877, Hennepin Co.
Arctium tomentosum Mill. / woolly burdock; hairy burdock
native to Eurasia; known only from Kittson Co.
[*Arnica chionopappa* Fernald see *A. lonchophylla*]
Arnica lonchophylla Greene / long-leaved arnica; seep leopardbane
state Threatened list; southern limit of distribution
vars. not recognized
[*Arnoglossum atriplicifolium* (L.) H. Rob. / pale Indian-plantain – report from Minnesota by
FNA 2006 and Pippen 1978 apparently based on a misidentified specimen; no specimens
currently at MIN]

[*Arnoglossum muehlenbergii* (Sch.-Bip.) H.E. Robins. see *A. reniforme*]
Arnoglossum plantagineum Raf. / groove-stemmed Indian-plantain; tuberous Indian-plantain
state Threatened list; northern limit of distribution
Arnoglossum reniforme (Hooker) H. Rob. / great Indian-plantain
Artemisia abrotanum L. / southernwood
native to Eurasia and north Africa
Artemisia absinthium L. / absinthium; absinthe wormwood
native to Europe, 1st collected 1892, Otter Tail Co.; pollen may cause allergies
[*Artemisia annua* L. / annual wormwood; sweet sagewort – previous reports from Minnesota
were based on misidentified specimen]
Artemisia biennis Willd. / biennial wormwood
native to northwestern US
Artemisia campestris L. / field sagewort; tall wormwood
pollen may cause allergies
[*subsp. borealis* (Pallas) H.M. Hall & Clem. – misapplied to the regional flora, see *subsp. caudata*]
subsp. caudata (Michx.) H.M. Hall & Clem.
[*Artemisia cana* Pursh *subsp. cana* / silver sagebrush – erroneously reported for Minnesota
by Atlas of the Flora of the Great Plains 1977]
Artemisia dracunculus L. / tarragon; dragon wormwood
Artemisia frigida Willd. / prairie sagewort; sage wormwood
[*Artemisia glauca* Pallas see *A. dracunculus*]
Artemisia longifolia Nutt. / long-leaf wormwood
reported for Minnesota by FNA but no specimens at MIN; known from Manitoba, ND, SD
on alkaline soils
Artemisia ludoviciana Nutt. *subsp. ludoviciana* / white sagebrush or sage
pollen may cause allergies
Artemisia pontica L. / Roman wormwood
native to Eurasia; known only from Isanti Co.
Artemisia serrata Nutt. / sawtooth wormwood; leafy wormwood
Artemisia stelleriana Besser / old-woman; dusty miller
native to eastern Asia; known only from St. Louis Co. (Duluth area)
Artemisia vulgaris L. / common wormwood; common mugwort
native to Eurasia
[*Aster x amethystinus* Nutt. see *Symphotrichum x amethystinum*]
[*Aster azureus* Lindl. see *Symphotrichum oolentangiense*]
[*Aster borealis* (Torr. & A. Gray) Prov. see *Symphotrichum boreale*]
[*Aster brachyactis* S.F. Blake see *Symphotrichum ciliatum*]
[*Aster ciliolatus* Lindl. see *Symphotrichum ciliolatum*]
[*Aster commutatus* (Torr. & A. Gray) A. Gray see *Symphotrichum falcatum* var. *commutatum*]
[*Aster cordifolius* L. see *Symphotrichum cordifolium*]
[*Aster drummondii* Lindl. see *Symphotrichum drummondii*]
[*Aster ericoides* L. see *Symphotrichum ericoides*]
[*Aster falcatus* Lindl. see *Symphotrichum falcatum*]
[*Aster firmus* Nees see *Symphotrichum firmum*]
[*Aster hesperius* A. Gray see *Symphotrichum lanceolatum* var. *hesperium*]
[*Aster junciformis* Rydb. see *Symphotrichum boreale*]
[*Aster laevis* L. see *Symphotrichum laevis*]
[*Aster lanceolatus* Willd. see *Symphotrichum lanceolatum*]
[*Aster lateriflorus* (L.) Britton see *Symphotrichum lateriflorum*]
[*Aster lucidulus* (A. Gray) Wieg. See *Symphotrichum firmum*]
[*Aster x longulus* E. Sheld. see *Symphotrichum x longulum*]
[*Aster macrophyllus* L. see *Eurybia macrophylla*]
[*Aster modestus* Lindl. see *Canadanthus modestus*]
[*Aster novae-angliae* L. see *Symphotrichum novae-angliae*]
[*Aster novi-belgii* L. see *Symphotrichum novi-belgii*]
[*Aster oblongifolius* Nutt. see *Symphotrichum oblongifolium*]

[*Aster ontarionis* Wiegand see *Symphotrichum Ontarionis*]
 [*Aster oolentangiensis* Riddell see *Symphotrichum oolentangiense*]
 [*Aster pilosus* Willd. see *Symphotrichum pilosum*]
 [*Aster praealtus* Poir. see *Symphotrichum praealtum*]
 [*Aster prenanthoides* Muhl. ex Willd. see *Symphotrichum prenanthoides*]
 [*Aster pubentior* Cronquist see *Doellingeria umbellata* var. *pubens*]
 [*Aster puniceus* L. see *Symphotrichum puniceum*]
 [*Aster puniceus* L. subsp. *firmus* (Nees) A.G. Jones see *Symphotrichum firmum*]
 [*Aster sagittifolius* Wedem. ex Willd. see *Symphotrichum cordifolium*]
 [*Aster sericeus* Vent. see *Symphotrichum sericeum*]
 [*Aster shortii* Lindl. see *Symphotrichum shortii*]
 [*Aster simplex* Willd. see *Symphotrichum lanceolatum* var. *lanceolatum*]
 [*Aster umbellatus* Mill. see *Doellingeria umbellata* var. *umbellata*]
 [*Aster umbellatus* Mill. var. *pubens* A. Gray see *Doellingeria umbellata* var. *pubens*]
 [*Aster urophyllus* Lindl. see *Symphotrichum urophyllum*]
Bellis perennis L. / lawn daisy; European daisy; English daisy
 native to Eurasia and Pacific Islands, occasional escape from gardens
Bidens aristosa Britton / bearded beggarticks; tickseed-sunflower
 reported for Minnesota by FNA but no specimens at MIN; known from MI, IN, IL
Bidens beckii Torr. ex Spreng. / Beck's water-marigold
Bidens cernua L. / nodding beggar-ticks; nodding bur-marigold
 [*Bidens comosa* (A. Gray) Wiegand see *B. tripartita*]
Bidens connata Muhl. ex Willd. / purple-stem beggar-ticks; swamp beggar-ticks
 [*Bidens coronata* Britton see *B. trichosperma*]
Bidens discoidea Britton / small beggar-ticks; discoid beggar-ticks
Bidens frondosa L. / devil's beggar-ticks; leafy beggar-ticks
Bidens trichosperma (Michx.) Britton / crowned beggar-ticks; showy beggar-ticks
Bidens tripartita L. / three-lobe beggar-ticks; tufted beggar-ticks
Bidens vulgata Greene / big devil's beggar-ticks; common beggar-ticks
Boltonia asteroides (L.) L'Hér. / white doll's daisy; boltonia
 var. *latisquama* (A. Gray) Cronquist
 var. *recognita* (Fernald & Grisc.) Cronquist
 [*Brachyactis ciliata* (Ledeb.) Ledeb. see *Symphotrichum ciliatum*]
Brickellia eupatorioides (L.) Shinnars var. *corymbulosa* (Torr. & A. Gray) Shinnars / false boneset
 [*Cacalia atriplicifolia* L. see *Arnoglossum atriplicifolium*]
 [*Cacalia muehlenbergii* (Sch.-Bip.) Fernald see *Arnoglossum reniforme*]
 [*Cacalia plantaginea* (Raf.) Shinnars see *Arnoglossum plantagineum*]
 [*Cacalia suaveolens* L. see *Hasteola suaveolens*]
 [*Cacalia tuberosa* Nutt. see *Arnoglossum plantagineum*]
Canadanthus modestus (Lindl.) G.L. Nesom / giant mountain aster; modest aster
Carduus acanthoides L. subsp. *acanthoides* / spiny plumeless thistle
 native to Eurasia; state DOA controlled-noxious weed, 1st collected 1949, Becker & Rock counties
Carduus nutans L. / nodding plumeless thistle
 native to Eurasia; state DOA controlled-noxious weed, 1st collected 1939, Goodhue Co.
Carduus crispus L. / curly plumeless thistle
 native to Eurasia; reported for Minnesota by USDA-NRCS but no specimens at MIN
 [*Centaurea biebersteinii* DC. see *C. stoebe*]
Centaurea cyanus L. / garden cornflower; bachelor's button
 native to Mediterranean region
 [*Centaurea debeauxii* Gren. & Godr. subsp. *thuillieri* Dostál see *C. x moncktonii*]
Centaurea jacea L. / brown-ray knapweed
 native to Europe; known only from St. Louis Co.
 [*Centaurea maculosa* Lam. see *C. stoebe*]
Centaurea x moncktonii C.E. Britton (*C. jacea* x *nigra* x *nigrescens*) / meadow knapweed
 native to Europe; known only from St. Louis Co.
Centaurea montana L. / perennial cornflower; mountain cornflower; black knapweed

native to montane Europe; known only from St. Louis Co. (Duluth area), doubtfully persisting
 [*Centaurea nigrescens* Willd. / Tyrolean knapweed; short-fringed knapweed – native to Europe;
 previous report for Minnesota was based on a misidentified specimen]

Centaurea phrygia L. / wig knapweed
 native to Europe; known only from St. Louis Co.

[*Centaurea repens* L. see *Acroptilon repens*]

Centaurea solstitialis L. / yellow star-thistle
 native to southern Europe; state DOA eradicate-noxious weed, reported for Minnesota by FNA
 (Clay County fide Atlas of the Flora of the Great Plains; D. Keil, pers. comm., indicates this
 probably a waif) but no specimens at MIN; known from all surrounding states and provinces

Centaurea stoebe L. subsp. *micranthos* (S.G. Gmelin ex Gugler) Hayek / spotted knapweed
 native to Europe; state DOA controlled-noxious weed, 1st collected 1918, Dakota Co.

[*Centaurea transalpina* Schleich. ex DC. see *C. nigrescens*]
 [*Chamomilla recutita* (L.) Rauschert see *Matricaria chamomilla*]
 [*Chamomilla suaveolens* (Pursh) Rydb. see *Matricaria discoidea*]
 [*Chrysanthemum leucanthemum* L. see *Leucanthemum vulgare*]
 [*Chrysanthemum parthenium* (L.) Benth. see *Tanacetum parthenium*]
 [*Chrysopsis villosa* (Pursh) Nutt. ex DC. see *Heterotheca villosa*]
 [*Chrysopsis villosa* var. *angustifolia* (Rydb.) Cronquist / stiff-leaf false golden-aster – misapplied to our
 flora, native to central and southern Great Plains, see *Heterotheca stenophylla*]

Cichorium intybus L. / chicory
 native to Eurasia

Cirsium altissimum (L.) Spreng. / tall thistle

Cirsium arvense (L.) Scop. / Canada thistle
 native to Eurasia; state DOA controlled-noxious weed, 1st collected 1878, Hennepin Co.
 vars. not recognized

Cirsium discolor (Muhl. ex Willd.) Spreng. / field thistle

Cirsium flodmanii (Rydb.) Arthur / Flodman's thistle

[*Cirsium hillii* (Canby) Fernald see *C. pumilum*]

Cirsium x iowense (Pammel) Fernald (*C. altissimum* x *discolor*) / no USDA name; Iowa thistle
 progeny of this hybrid have low fertility but occur in stable populations; FNA recognizes this
 taxon but recommends further genetic study before a proper classification can be made

Cirsium muticum Michx. / swamp thistle

Cirsium palustre (L.) Scop. / marsh thistle
 native to Eurasia; reported for Minnesota (Houston Co.) by U.S. Forest Service
 but no specimens at MIN

Cirsium pumilum (Nutt.) Spreng. var. *hillii* (Canby) B. Boivin / Hill's thistle; pasture thistle
 state Special Concern list

Cirsium undulatum (Nutt.) Spreng. / wavy-leaf thistle
 reported for Minnesota by FNA but no specimens at MIN; easily confused with *C. flodmanii*

Cirsium vulgare (Savi) Ten. / bull thistle
 native to Eurasia, 1st collected 1883, Wabasha Co.

Conyza canadensis (L.) Cronquist / Canadian horseweed
 vars. not recognized

Conyza ramosissima Cronquist / dwarf horseweed; spreading fleabane

Coreopsis lanceolata L. / lance-leaf tickseed; sand coreopsis
 native to eastern US

Coreopsis palmata Nutt. / stiff tickseed; bird's-foot coreopsis

Coreopsis tinctoria Nutt. / golden tickseed; plains coreopsis
 native to southern US
 vars. not recognized

Cosmos bipinnatus Cav. / garden cosmos
 native to Mexico and southwestern U.S.; reported as naturalized for Minnesota by FNA
 but no specimens at MIN

Cosmos sulphureus Cav. / sulphur cosmos; orange cosmos
 native to Mexico; known only from Olmsted Co., apparently introduced as part of prairie planting,

doubtfully persisting

Cota tinctoria (L.) J. Gay ex Gussone / golden chamomile; golden marguerite
native to Eurasia

Crepis capillaris (L.) Wallr. / smooth hawk's-beard
native to Europe; possibly occurring as a lawn weed though no reports yet, known from adjacent states

Crepis runcinata (James) Torr. & A. Gray subsp. *runcinata* / fiddle-leaf hawk's-beard;
incised hawk's-beard

Crepis tectorum L. / narrow-leaf hawk's-beard; yellow hawk's-beard
native to Europe, 1st collected 1934, Becker Co.

Cyclachaena xanthifolia (Nutt.) Fresen. / giant sumpweed; marsh-elder
1st collected 1883, Wabasha Co.

Dieteria canescens (Pursh) Nutt. var. *canescens* / hoary tansy-aster; Tahoka daisy
native to northwestern Great Plains; known only from Blue Earth Co.

Doellingeria umbellata (Mill.) Nees / parasol whitetop; flat-topped aster
var. *pubens* (A. Gray) Britton
var. *umbellata*

Dyssodia papposa (Vent.) Hitchc. / field-marigold; fetid-marigold

Echinacea angustifolia DC. / narrow-leaved purple coneflower; blacksamson echinacea
[*Echinacea pallida* (Nutt.) Nutt. var. *angustifolia* (DC.) Cronquist see *E. angustifolia*; many garden
plants sold as "purple coneflower" are *E. purpurea*, which is native further south and east

Echinops exaltatus Schrad. / tall globe-thistle
native to Siberia; known only from St. Louis Co. (former agricultural test plots)

Echinops sphaerocephalus L. / great globe-thistle
native to Eurasia

[*Eclipta alba* (L.) Hassk. see *E. prostrata*]

Eclipta prostrata (L.) L. / false daisy; yerba-de-tajo
known only from Washington Co. (one riverside population), probably introduced from further east

Erechtites hieracifolius (L.) Raf. ex DC. var. *hieracifolius* / American burnweed; pilewort

Erigeron acris L. / bitter fleabane; trimorphic fleabane
state Special Concern list
var. *kamtschaticus* (DC.) Herder
[var. *politus* (Fr.) Schinz & R. Keller – not recognized by FNA as occurring in the US]

Erigeron annuus (L.) Pers. / eastern daisy fleabane; annual fleabane
[*Erigeron canadensis* L. see *Conyza canadensis*]

Erigeron glabellus Nutt. var. *pubescens* Hook. / streamside fleabane; smooth fleabane

Erigeron lonchophyllus Hook. / short-ray fleabane
state Special Concern list

Erigeron philadelphicus L. var. *philadelphicus* / Philadelphia fleabane

Erigeron pulchellus Michx. / robin's-plantain; poor robin's fleabane
var. *pulchellus*
var. *tolsteadii* Cronquist – endemic to Minnesota

Erigeron strigosus Muhl. ex Willd. / prairie fleabane; daisy fleabane
[var. *beyrichii* (Fisch. & C.A. Mey.) Torr. & A. Gray see var. *strigosus*]
var. *septentrionalis* (Fernald & Wiegand) Fernald
var. *strigosus*

[*Eupatoriadelphus maculatus* (L.) King & H. Rob. see *Eutrochium maculatum*]

Eupatorium altissimum L. / tall boneset; tall thoroughwort

[*Eupatorium maculatum* L. see *Eutrochium maculatum*]

Eupatorium perfoliatum L. / common boneset; purple boneset
vars. not recognized

[*Eupatorium purpureum* L. see *Eutrochium purpureum*]

[*Eupatorium rugosum* Houtt. see *Ageratina altissima*]

Eupatorium serotinum Michx. / late-flowering thoroughwort
reported for Minnesota by FNA but no specimens at MIN; known from WI, IA, NE

Eupatorium sessilifolium L. / upland boneset
state Threatened list; northwest limit of distribution

Eurybia macrophylla (L.) Cass. / big-leaf aster; large-leaved aster
Euthamia graminifolia (L.) Nutt. / flat-top goldenrod; grass-leaf goldenrod
 vars. not recognized
Euthamia gymnospermoides Greene / Texas goldenrod; Great Plains goldenrod
Eutrochium maculatum (L.) E.E. Lamont / spotted joe-pye-weed
 var. *bruneri* (A. Gray) E.E. Lamont
 var. *foliosum* (Fernald) E.E. Lamont – known only from Cook Co. (last collected 1945)
 var. *maculatum*
Eutrochium purpureum (L.) E.E. Lamont / sweet-scented joe-pye-weed; purple joe-pye-weed
 var. *holzingeri* (Rydb.) E.E. Lamont
 var. *purpureum* – reported for Minnesota by FNA but no specimens at MIN; known from WI, IA, NE
 [*Filago arvensis* L. see *Logfia arvensis*]
Gaillardia aristata Pursh / common gaillardia; blanket flower
 state Special Concern list
Gaillardia pulchella Foug. / firewheel; rose-ring gaillardia
 native to southern US
 [*Galinsoga ciliata* (Raf.) S.F. Blake see *G. quadriradiata*]
Galinsoga parviflora Cav. var. *parviflora* / gallant soldier; small-flowered galinsoga
 native from southwestern US to South America
Galinsoga quadriradiata Ruiz. & Pav. / shaggy soldier; hairy galinsoga
 native from Central America to South America
 [*Gnaphalium macounii* Greene see *Pseudognaphalium macounii*]
 [*Gnaphalium obtusifolium* L. see *Pseudognaphalium obtusifolium*]
Gnaphalium uliginosum L. / marsh cudweed
 native to Europe
 [*Gnaphalium viscosum* Kunt / winged cudweed – misapplied to the regional flora, see *Pseudognaphalium macounii*]
Grindelia hirsutula Hook. & Arn. / curlycup gumweed
Grindelia squarrosa (Pursh) Dunal / curlycup gumweed
 vars. not recognized
 [var. *quasiperennis* Lunell see *G. hirsutula*]
Gutierrezia sarothrae (Pursh) Britt. & Rusby / broom snakeweed
 reported for Minnesota by FNA but no specimens at MIN; known from Manitoba, ND, SD on rocky soils
 [*Haplopappus spinulosus* (Pursh) DC. see *Xanthisma spinulosum*]
Hasteola suaveolens (L.) Pojark. / false Indian-plantain; sweet-smelling Indian-plantain
 state Endangered list; northwest limit of distribution
Helenium autumnale L. / common sneezeweed; autumn sneezeweed
 poisonous to cattle
 vars. not recognized
Helenium flexuosum Raf. / purple-head sneezeweed
 native to eastern US; known only from Carlton Co. (one roadside population, last collected 1944)
Helianthus annuus L. / common sunflower; wahcha-zizi (Dakota)
Helianthus giganteus L. / giant sunflower; swamp sunflower
Helianthus grosseserratus M. Martens / sawtooth sunflower
Helianthus hirsutus Raf. / hairy sunflower
Helianthus x laetiflorus Pers. (*H. pauciflorus x tuberosus*) / cheerful sunflower; bright sunflower
Helianthus maximiliani Schrad. / Maximilian's sunflower; michaelmas-daisy
Helianthus microcephalus Torr. & A. Gray / small woodland sunflower
 reported for Minnesota by FNA but no specimens at MIN; known from IA, IL
Helianthus nuttallii Torr. & A. Gray subsp. *rydbergii* (Britton) R.W. Long / Nuttall's sunflower;
 Rydberg's sunflower
 state Special Concern list
Helianthus occidentalis Riddell subsp. *occidentalis* / fewleaf sunflower; western sunflower
Helianthus pauciflorus Nutt. / stiff sunflower
 much overlap occurs in characters separating the subspecies; much of our material
 shows characteristics of both subspecies

subsp. *pauciflorus*
 subsp. *subrhomboideus* (Rydb.) O. Spring & E.E. Schill.
Helianthus petiolaris Nutt. subsp. *petiolaris* / prairie sunflower
 [*Helianthus rigidus* (Cass.) Desf. see *H. pauciflorus* subsp. *pauciflorus*]
Helianthus strumosus L. / pale-leaf woodland sunflower
Helianthus tuberosus L. / Jerusalem-artichoke
Heliopsis helianthoides (L.) Sweet / smooth ox-eye
 [var. *occidentalis* (T.R. Fischer) Steyerm. see var. *scabra*]
 var. *scabra* (Dunal) Fernald
Heterotheca stenophylla (A. Gray) Shinners var. *angustifolia* (Rydb.) Semple / stiff-leaf false
 golden-aster; hairy golden-aster
 known only from Pipestone Co.
Heterotheca villosa (Pursh) Shinners / hairy false golden-aster; hairy golden-aster
 var. *ballardii* (Rydb.) Semple
 var. *foliosa* (Nutt.) V.L. Harms – known only from Traverse Co. (last collected 1938)
 var. *minor* (Hook.) Semple
 var. *villosa*
Hieracium aurantiacum L. / orange hawkweed; orange king-devil
 native to Europe, 1st collected 1947, St. Louis Co.
Hieracium caespitosum Dumort. / meadow hawkweed; yellow king-devil
 native to Europe
 [*Hieracium canadense* Michx. see *H. umbellatum*]
Hieracium x fernaldii Lepage (*H. scabrum x umbellatum*) / no USDA name
 reported for Minnesota by USDA-NRCS but no specimens at MIN; FNA makes
 no mention of this hybrid
 [*Hieracium florentinum* All. see *H. piloselloides*]
Hieracium x floribundum Wimmer & Grab. (*H. caespitosum x lactucella*) / no USDA name; smooth
 king-devil; smooth hawkweed
 native to Europe
Hieracium gronovii L. / queen-devil
 reported for Minnesota by FNA but no specimens at MIN; known from MI, IN, IL, MO
 [*Hieracium kalmii* L. see *H. umbellatum*]
 [*Hieracium lachenalii* C.C. Gmel. see *H. vulgatum*]
Hieracium longipilum Torr. ex Hook. / hairy hawkweed; long-bearded hawkweed
Hieracium pilosella L. / mouse-ear hawkweed
 native to Europe
Hieracium piloselloides Vill. / tall hawkweed; king-devil hawkweed
 native to Europe
 [*Hieracium scabriusculum* Schwein. see *H. umbellatum*]
Hieracium scabrum Michx. / rough hawkweed; sticky hawkweed
Hieracium umbellatum L. / narrow-leaf hawkweed; rough hawkweed
Hieracium vulgatum Fr. / common hawkweed
 native to Europe; correct name for this taxon is in some doubt fide FNA
Inula britannica L. / British yellowhead; British elecampane
 native to Europe; known only from Dakota Co. (nursery holding area)
Inula helenium L. / elecampane; elecampane-inula
 native to Europe
Iva annua L. / annual marsh-elder
 to be expected on moist disturbed sites; known from ND, SD, IA, WI
Iva axillaris Pursh / povertyweed; deer root
 reported for Minnesota by FNA but no specimens at MIN; known from WI, Manitoba, ND, SD on
 wet saline soils
 [*Iva xanthifolia* Nutt. see *Cyclachaena xanthifolia*]
Krigia biflora (Walter) S.F. Blake / two-flowered dwarf-dandelion; two-flowered cynthia
Krigia virginica (L.) Willd. / Virginia dwarf-dandelion
 reported for Minnesota by FNA but no specimens at MIN; known from WI, IL, IA

[*Kuhnia eupatorioides* L. see *Brickellia eupatorioides*]

Lactuca biennis (Moench) Fernald / tall blue lettuce; biennial blue lettuce

Lactuca canadensis L. / Canadian lettuce; Canada wild lettuce

Lactuca floridana (L.) Gaertn. / Florida lettuce; Florida wild lettuce

[*Lactuca hirsuta* Muhl. ex Nutt. / hairy lettuce – erroneously reported for Minnesota by USDA-NRCS; known from IL south- and eastward]

Lactuca ludoviciana (Nutt.) Riddell / biannual lettuce; Louisiana lettuce

[*Lactuca pulchella* (Pursh) DC. see *Mulgedium pulchellum*]

Lactuca serriola L. / prickly lettuce
native to Europe; toxic to livestock

[*Lactuca tatarica* (L.) C.A. Mey. var. *pulchella* (Pursh) Breitung see *Mulgedium pulchellum*]

Lapsana communis L. / common nipplewort
native to Eurasia

Leontodon autumnalis L. / fall-dandelion
native to Eurasia; known only from St. Louis Co. (one turf-planting population)
vars. not recognized

Leucanthemella serotina (L.) Tzvelev / giant daisy; Portuguese daisy
native to eastern Europe

[*Leucanthemum lacustre* (Brot.) Samp. / Portuguese daisy – misapplied to US flora (except CA), see *Leucanthemella serotina*]

Leucanthemum vulgare Lam. / ox-eye daisy
native to Europe, 1st collected 1878, Hennepin Co.

Liatris aspera Michx. / tall blazing star; rough blazing star

Liatris cylindracea Michx. / Ontario blazing star; cylindrical blazing star

[*Liatris densispicata* (Bush) Gaiser see *L. punctata* var. *punctata*]

Liatris x frostii Gaiser (*L. aspera* x *pycnostachya*) / no USDA name
reported as endemic to Minnesota by USDA-NRCS but no specimens at MIN

Liatris ligulistylis (A. Nels.) K. Schum. / Rocky Mountain blazing star; northern blazing star

Liatris punctata Hook. var. *punctata* / dotted blazing star

Liatris pycnostachya Michx. var. *pycnostachya* / prairie blazing star; great blazing star

Liatris x spherioidea Michx. (*L. aspera* x *ligulistylis*) / spherical blazing star
[var. *salutans* (Lunnell) Shinnery see *L. aspera*]
known only from Marshall Co.

Liatris squarrosa (L.) Michx. / scaly blazing star; plains blazing star
native to central Great Plains and southeastward; reported from Sherburne National Wildlife Refuge, Sherburne Co. (probably introduced with wildlife plantings) by U.S.F.W.S.; specimen not yet deposited in MIN

Logfia arvensis (L.) Holub / field cottonrose
native to Eurasia and northwest Africa; known only from St. Louis Co.

Lygodesmia juncea (Pursh) D. Don ex Hook. / rush skeleton plant; skeleton weed

[*Lygodesmia rostrata* (A. Gray) A. Gray see *Shinneryoseris rostrata*]

[*Machaeranthera canescens* (Pursh) A. Gray see *Dieteria canescens*]

[*Machaeranthera pinnatifida* (Hook.) Shinnery see *Xanthisma spinulosum*]

Madia glomerata Hook. / mountain tarweed
native to western US

Matricaria chamomilla L. / German chamomile; wild chamomile
native to Eurasia; pollen causes allergies

Matricaria discoidea DC. / disc mayweed; pineapple weed
native to northwestern US

[*Matricaria maritima* L. / false mayweed – misapplied to the regional flora, see *Tripleurospermum inodorum*]

[*Matricaria matricarioides* (Less.) Porter see *M. discoidea*]

[*Matricaria recutita* L. see *M. chamomilla*]

[*Megalondonta beckii* (Torr. ex Spreng.) Greene see *Bidens beckii*]

[*Microseris cuspidata* (Pursh) Sch.-Bip. see *Nothocalais cuspidata*]

Mulgedium pulchellum (Pursh) G. Don / blue lettuce; beautiful blue lettuce

Mycelis muralis (L.) Dumort. / wall-lettuce

native to Europe; reported for Minnesota by FNA but no specimens at MIN

Nothocalais cuspidata (Pursh) Greene / prairie false dandelion
 [*Oligoneuron album* (Nutt.) G.L. Nesom see *Solidago ptarmicoides*]
 [*Oligoneuron x bernardii* (B. Boivin) G.L. Nesom see *Solidago x bernardii*]
 [*Oligoneuron riddellii* (Frank ex Riddell) Rydb. see *Solidago riddellii*]
 [*Oligoneuron rigidum* (L.) Small var. *rigidum* see *Solidago rigida*]

Onopordum acanthium L. subsp. *acanthium* / scotch cotton-thistle; scotch-thistle
 native to Eurasia; known only from Pipestone Co., doubtfully persisting

Packera aurea (L.) A. Löve & D. Löve / golden ragwort
 leaves and roots possibly toxic to humans, deadly poisonous to horses and cattle

Packera cana (Hook.) W.A. Weber & A. Löve / woolly groundsel; gray groundsel
 state Endangered list, southeast limit of distribution; known only from Polk Co.

Packera indecora (Greene) A. Löve & D. Löve / elegant groundsel; elegant ragwort
 state Special Concern list

Packera pauciflora (Pursh) A. Löve & D. Löve / alpine groundsel
 disjunct from western North America and northern Canada; only known specimens at DUL

Packera paupercula (Michx.) A. Löve & D. Löve / balsam groundsel; balsam ragwort

Packera plattensis (Nutt.) W.A. Weber & A. Löve / prairie groundsel; prairie ragwort
 leaves and roots possibly toxic to humans, deadly poisonous to horses and cattle

Packera pseud aurea (Rydb.) W.A. Weber & A. Löve var. *semicordata* (Mack. & Bush) Trock
 & T.M. Barkley / false-gold groundsel; western heart-leaved groundsel

[*Parthenium hispidum* Raf. see *P. integrifolium*]

Parthenium integrifolium L. / wild-quinine
 state Endangered list; northwest limit of distribution

Petasites frigidus (L.) Fr. / arctic sweet colt's-foot; arrow-leaved sweet colt's-foot; grape-leaved
 sweet colt's-foot
 var. *palmatus* (Aiton) Cronquist
 var. *sagittatus* (Banks ex Pursh) Cherniawsky
 var. *x vitifolius* (Greene) Cherniawsky

[*Petasites sagittatus* (Banks ex Pursh) A. Gray see *P. frigidus* var. *sagittatus*]
 [*Petasites x vitifolius* Greene see *P. frigidus* var. *x vitifolius*]

Polymnia canadensis L. / white-flower leafcup

Prenanthes alba L. / white rattlesnake root

Prenanthes aspera Michx. / rough rattlesnake root; hairy rattlesnake root

Prenanthes crepidinea Michx. / nodding rattlesnake root
 state Special Concern list; known only from Houston Co. (historical collection of 1900)

Prenanthes racemosa Michx. / purple rattlesnake root; smooth rattlesnake root
 vars./subsp. not recognized

[*Pseudognaphalium helleri* (Britton) Andrb. see *P. micradenium*]

Pseudognaphalium macounii (Greene) Kartesz / clammy cudweed; Macoun's cudweed
Pseudognaphalium micradenium (Weath.) G.L. Nesom / Heller's cudweed; delicate rabbit-tobacco
 reported for Minnesota by FNA but no specimens at MIN; known from WI, MI

Pseudognaphalium obtusifolium (L.) Hillard & B.L. Burtt / rabbit-tobacco; sweet everlasting
 [*Pseudognaphalium viscosum* (Kunth) W.A. Weber – misapplied to the regional flora,
 see *P. macounii*]

Ratibida columnifera (Nutt.) Wooton & Standl. / upright prairie coneflower

Ratibida pinnata (Vent.) Barnhart / pinnate prairie coneflower; gray-headed coneflower

Rudbeckia hirta L. var. *pulcherrima* Farw. / black-eyed-susan

Rudbeckia laciniata L. var. *laciniata* / cut-leaf coneflower; tall coneflower

Rudbeckia subtomentosa Pursh / sweet coneflower
 possibly introduced or possibly a range extension from southern IA and WI; known
 only from Mower Co. (one railroad population)

Rudbeckia triloba L. var. *triloba* / brown-eyed-susan; three-leaved coneflower
 state Special Concern list

[*Senecio aureus* L. see *Packera aurea*]
 [*Senecio canus* Hook. see *Packera cana*]

[*Senecio congestus* (R.Br.) DC. see *Tephroses palustris*]

Senecio eremophilus Richards. var. *eremophilus* / desert ragwort; desert groundsel
to be expected in far northeast corner (known from adjacent Ontario), on grassy, rocky outcroppings and cliffs

[*Senecio indecorus* Greene see *Packera indecora*]

Senecio integerrimus Nutt. var. *integerrimus* / lamb's-tongue ragwort; entire ragwort
leaves and roots possibly toxic

[*Senecio pauperculus* Michx. see *Packera paupercula*]

[*Senecio plattensis* Nutt. see *Packera plattensis*]

[*Senecio pseud aureus* Rydb. see *Packera pseud aurea*]

Senecio viscosus L. / sticky ragwort
native to Eurasia; known only from St. Louis Co. (Duluth area)

Senecio vulgaris L. / old-man-in-the-spring; common groundsel
native to Eurasia; leaves and roots possibly toxic to humans, deadly poisonous to horses and cattle

Shinnersoseris rostrata (A. Gray) Tomb / beaked skeleton weed; annual skeleton weed
state Threatened list; eastern limit of distribution

Silphium integrifolium Michx. var. *integrifolium* / whole-leaf rosinweed
possibly to be expected along southern border (known from SD, IA, WI), in road/railside prairies

Silphium laciniatum L. / compass plant

Silphium perfoliatum L. var. *perfoliatum* / cup plant

Solidago altissima L. / late goldenrod; shorthair goldenrod
subsp. *altissima*
subsp. *gilvocanescens* (Rydb.) Semple

Solidago x bernardii B. Boivin (*S. ptarmicoides* x *riddellii*) / yellow stiff-aster; Bernard's goldenrod

Solidago bicolor L. / white goldenrod; silverrod
to be expected along the Wisconsin border, on dry soils in open woods and rocky slopes

Solidago canadensis L. / Canada goldenrod
var. *canadensis*
[var. *gilvocanescens* Rydb. see *S. altissima* subsp. *gilvocanescens*]
var. *hargerii* Fernald
[var. *salebrosa* (Piper) M.E. Jones – misapplied to our flora, see *S. canadensis* or possibly *S. altissima*]
[var. *scabra* Torr. & A. Gray see *S. altissima* subsp. *altissima*]

Solidago flexicaulis L. / zigzag goldenrod

Solidago gigantea Aiton / giant goldenrod; late goldenrod

Solidago hispida Muhl. ex Willd. / hairy goldenrod
vars. not recognized

Solidago juncea Aiton / early goldenrod

[*Solidago lepida* DC. subsp. *fallax* (Fern.) Semple – misapplied to the regional flora,
see *S. canadensis* or *S. gigantea*]

Solidago missouriensis Nutt. / Missouri goldenrod
vars. not recognized

Solidago mollis Bartl. / velvety goldenrod; soft goldenrod
state Special Concern list

Solidago nemoralis Aiton / gray goldenrod
subsp. *decemflora* (DC.) Brammell ex Semple
[var. *longipetiolata* (Mack. & Bush) E.J. Palmer & Steyererm. see subsp. *decemflora*]
subsp. *nemoralis*

Solidago ptarmicoides (Torrey & A. Gray) B. Boivin / prairie goldenrod; upland white-aster

Solidago riddellii Frank / Riddell's goldenrod

Solidago rigida L. / stiff goldenrod
subsp. *humilis* (Porter) Heard & Semple
subsp. *rigida*

Solidago sciaphila E.S. Steele / shadowy goldenrod; cliff goldenrod
state Special Concern list

Solidago simplex Kunth var. *simplex* / Mt. Albert goldenrod

reported for Minnesota by FNA but no specimens at MIN; known from Ontario, Manitoba, ND, SD
in rocky seepages

Solidago speciosa Nutt. / showy goldenrod
[var. *jejunifolia* (E.S. Steele) Cronquist see var. *speciosa*]
var. *rigidiuscula* Torr. & A. Gray
var. *speciosa*

Solidago uliginosa Nutt. / bog goldenrod

Solidago ulmifolia Muhl. ex Willd. var. *ulmifolia* / elm-leaf goldenrod

Sonchus arvensis L. / field sow-thistle; perennial sow-thistle
native to Europe, 1st collected 1891, Carver & Hennepin counties
subsp. *arvensis*
subsp. *uliginosus* (M. Bieb.) Nyman

Sonchus asper (L.) Hill / spiny-leaf sow-thistle; spiny sow-thistle
native to Mediterranean region

Sonchus oleraceus L. / common sow-thistle
native to Europe

[*Sonchus uliginosus* M. Bieb. see *S. arvensis* var. *uliginosus*]

Symphotrichum x amethystinum (Nutt.) G.L. Nesom (*S. ericoides* x *novae-angliae*) / amethyst aster

Symphotrichum boreale (Torr. & A. Gray) A. Löve & D. Löve / northern bog aster; rush aster

Symphotrichum ciliatum (Ledeb.) G.L. Nesom / rayless alkali aster; short-rayed aster
native to western US, Canada, and Siberia

Symphotrichum ciliolatum (Lindl.) A. Löve & D. Löve / Lindley's aster; northern heart-leaf aster

Symphotrichum cordifolium (L.) G.L. Nesom / common blue wood aster; heart-leaf aster

Symphotrichum drummondii (Lindl.) G.L. Nesom var. *drummondii* / Drummond's aster

Symphotrichum ericoides (L.) G.L. Nesom / white heath aster; frost aster
var. *ericoides*
var. *pansum* (S.F. Blake) G.L. Nesom – known only from Wilkin Co.
[var. *straticaula* (Torr. & A. Gray) G.L. Nesom see var. *pansum*]

Symphotrichum falcatum (Lindl.) G.L. Nesom / white prairie aster; sickle-shaped aster
var. *commutatum* (Torr. & A. Gray) G.L. Nesom
[var. *falcatum* – erroneously reported for western Minnesota by Gleason & Cronquist 1991]

Symphotrichum firmum (Nees) G.L. Nesom / purple aster; red-stemmed aster

Symphotrichum laeve (L.) A. Löve & D. Löve / smooth blue aster
var. *geyeri* (A. Gray) G.L. Nesom – known only from type specimen (as *A. laeviformis*) collected
at Lake Benton, Lincoln Co., 1891
var. *laeve*

Symphotrichum lanceolatum (Willd.) G.L. Nesom / white paniced aster; eastern lined aster
var. *hesperium* (A. Gray) G.L. Nesom
var. *hirsuticaule* (Semple & Chmiel.) G.L. Nesom – known only from Itasca Co.
var. *interior* (Wiegand) G.L. Nesom
var. *lanceolatum*
var. *latifolium* (Semple & Chmiel.) G.L. Nesom – reported for Minnesota by FNA
but no specimens at MIN; known from adjacent states and provinces
[var. *simplex* (Willd.) A.G. Jones see var. *lanceolatum*]

Symphotrichum lateriflorum (L.) A. Löve & D. Löve / calico aster; goblet aster; side-flowering aster

Symphotrichum x longulum (E. Sheld.) G.L. Nesom (*S. boreale* x *puniceum*) / long aster
known only from MN and WI

Symphotrichum novae-angliae (L.) G.L. Nesom / New England aster

Symphotrichum novi-belgii (L.) G.L. Nesom / New York aster
var. *novi-belgii* – native to far eastern US; known only from Lake Co. (one population,
collected 1952, consists of single poor specimen)

Symphotrichum oblongifolium (Nutt.) G.L. Nesom / aromatic aster

Symphotrichum ontarionis (Wiegand) G.L. Nesom var. *ontarionis* / bottomland aster; Ontario aster

Symphotrichum oolentangiense (Riddell) G.L. Nesom / skyblue aster; azure aster
vars. not recognized

[*Symphotrichum patens* (Aiton) G.L. Nesom / late purple aster – erroneously reported for

Minnesota by USDA-NRCS; known from IL south- and eastward]

Symphotrichum pilosum (Willd.) G.L. Nesom / hairy white old-field aster; awl aster
var. *pilosum*
var. *pringlei* (A. Gray) G.L. Nesom – known only from Winona Co. (historical collection of 1914)

Symphotrichum praealtum (Poir.) G.L. Nesom / willow-leaf aster; veiny-lined aster
several varieties have been proposed but more work is needed to establish their validity

Symphotrichum prenanthoides (Muhl. ex Willd.) G.L. Nesom / crooked-stem aster; zigzag aster

Symphotrichum puniceum (L.) A. Löve & D. Löve var. *puniceum* / purple-stem aster; red-stemmed aster
[*Symphotrichum robynsianum* (J. Rousseau) Brouillet & Labrecque / longleaf aster – erroneously reported for Minnesota by FNA]

Symphotrichum sericeum (Vent.) G.L. Nesom / western silky aster

Symphotrichum shortii (Lindl.) G.L. Nesom / Short's aster
state Threatened list; northwest limit of distribution

Symphotrichum urophyllum (Lindl. ex DC.) G.L. Nesom / white arrow-leaf aster

Tanacetum parthenium (L.) Sch.-Bip. / feverfew
native to Eurasia and north Africa

Tanacetum vulgare L. / common tansy
native to Eurasia; state DOA controlled-noxious weed, 1st collected 1875, Hennepin Co.;
plant oil poisonous

Taraxacum erythrospermum Andr. ex Besser / rock dandelion; red-seeded dandelion
native to Europe

[*Taraxacum laevigatum* (Willd.) DC. see *T. erythrospermum*]

Taraxacum officinale F.H. Wiggers / common dandelion
native to Europe

Tephrosia palustris (L.) Reichenbach / marsh fleabane; swamp ragwort

Thelesperma megapotamicum (Spreng.) Kuntze / Hopi tea greenthread
native to western Great Plains and southwestern US; known only from Sherburne Co.,
Sherburne National Wildlife Refuge, introduced with wildlife planting

Tragopogon dubius Scop. / yellow salsify; yellow goat's-beard
native to Europe

[*Tragopogon lamottei* Rouy see *T. pratensis*]

Tragopogon porrifolius L. / salsify; vegetable-oyster
to be expected on heavily disturbed sites (naturalized across much of North America and
known from surrounding states and provinces); native to Europe and north Africa;
known to hybridize with both *T. dubius* and *T. pratensis*

Tragopogon pratensis L. / jack-go-to-bed-at-noon; meadow goat's-beard
native to Europe

[*Trimorpha acris* (L.) S.F. A. Gray see *Erigeron acris*]

[*Trimorpha lonchophylla* (Hook.) G.L. Nesom see *Erigeron lonchophyllus*]

Tripleurospermum inodorum (L.) Sch.Bip. / scentless false mayweed; wild chamomile
native to Europe

[*Tripleurospermum maritimum* (L.) W.D.J. Koch / false mayweed – misapplied to the regional
flora, see *T. inodorum*]

[*Tripleurospermum perforatum* (Mérat) M. Lainz see *T. inodorum*]

Tussilago farfara L. / colt's-foot
native to Eurasia; known only from Wright Co. (historical collection of 1913)

Vernonia baldwinii Torr. / Baldwin's ironweed; western ironweed
native from central to southwestern Great Plains
vars. not recognized

Vernonia fasciculata Michx. / prairie ironweed; bunched ironweed
vars. not recognized

Xanthisma spinulosum (Pursh) D.R. Morgan & R.L. Hartman var. *spinulosum* / lacy tansy-aster;
cut-leaf ironplant
state Special Concern list

[*Xanthium pennsylvanicum* Wallr. see *X. strumarium*]

Xanthium strumarium L. / rough cocklebur; common cocklebur

1st collected 1880, Wabasha Co.; highly toxic to livestock
vars. not recognized

B

Balsaminaceae

Impatiens capensis Meerb. / jewelweed; spotted touch-me-not

Impatiens glandulifera Royle / policeman's helmet; Himalayan balsam

native to Himalayan region; known only from Lake Co. (only known specimen at DUL); can become
extremely invasive in milder environments

Impatiens pallida Nutt. / pale jewelweed; pale touch-me-not

Berberidaceae [fide FNA 1997, vol. 3]

Berberis repens Lindl. / creeping barberry; creeping Oregon-grape

native to western US; reported for Minnesota by MN-DNR and FNA but no specimens at MIN

Berberis thunbergii DC. / Japanese barberry

native to Japan

Berberis vulgaris L. / common barberry; European barberry

native to Europe

Caulophyllum thalictroides (L.) Michx. / blue cohosh

Jeffersonia diphylla (L.) Pers. / twinleaf

state Special Concern list

[*Mahonia repens* (Lindl.) G. Don see *Berberis repens*]

Podophyllum peltatum L. / may-apple; American-mandrake
roots and leaves poisonous

Betulaceae [fide FNA 1997, vol. 3]

[*Alnus crispa* (Aiton) Pursh see *A. viridis*]

Alnus glutinosa (L.) Gaertn. / European alder; black alder

native to Europe; reported as naturalized in east-central Minnesota by FNA but no
specimens at MIN

Alnus incana (L.) Moench subsp. *rugosa* (Du Roi) R.T. Clausen / speckled alder; tag alder

Alnus viridis (Chaix) DC. subsp. *crispa* (Aiton) Turrill / mountain alder; green alder

Betula alleghaniensis Britton / yellow birch

Betula cordifolia Regel / mountain paper birch; heartleaf birch

[*Betula glandulifera* (Regel) B.T. Butler see *B. pumila*]

[*Betula glandulosa* Michx. / resin birch – misapplied to our flora, see *B. pumila*]

[*Betula lutea* Michx. f. see *B. alleghaniensis*]

[*Betula nana* L. / dwarf birch – arctic and subarctic species erroneously reported for
Minnesota by USDA-NRCS]

Betula nigra L. / river birch

Betula papyrifera Marshall / paper birch

[*Betula papyrifera* Marshall var. *cordifolia* (Regel) Fernald see *B. cordifolia*]

Betula pubescens Ehrht. / downy birch

native to Europe; known only from Houston Co. (last collected 1920)

Betula pumila L. / bog birch

Betula x purpusii Schneider (*B. alleghaniensis* x *pumila*) / no USDA name; Purpus' birch

Betula x rosendahlii Butters & Abbe (*B. cordifolia* x *papyrifera*) / no USDA name; Rosendahl's birch
taxonomic status uncertain, not included in FNA or USDA-NRCS; known only from
Cook Co.

Betula x sandbergii Britton (*B. papyrifera* x *pumila*) / no USDA name; Sandberg's birch

Carpinus caroliniana Walter subsp. *virginiana* (Marshall) Furlow / American hornbeam; blue-beech

Corylus americana Walter / American hazelnut; American hazel; uma (Dakota)

Corylus cornuta Marshall subsp. *cornuta* / beaked hazelnut; beaked hazel

Ostrya virginiana (Mill.) K. Koch / hop-hornbeam; ironwood

Bignoniaceae

Catalpa ovata G. Don / Chinese catalpa
native to China; known only from Houston Co., probably cultivated and not escaping
Catalpa speciosa (Warder) Warder ex Engelm. / northern catalpa; cigar or catawba tree
native to southern US

Boraginaceae

Anchusa arvensis (L.) M. Bieb. / small bugloss; alkanet
native to Europe
Asperugo procumbens L. / German madwort
native to Eurasia; reported for Minnesota by USDA-NRCS but no specimens at MIN
Borago officinalis L. / common borage
native to Europe; doubtfully persisting
[*Buglossoides arvensis* (L.) I.M. Johnst. see *Lithospermum arvense*]
[*Cynoglossum boreale* Fernald see *C. virginianum*]
Cynoglossum officinale L. / gypsy-flower; hound's-tongue
native to Europe; leaves and roots potentially toxic and may cause skin irritation
Cynoglossum virginianum L. var. *boreale* (Fernald) Cooperr. / wild comfrey; northern hound's-tongue
Echium vulgare L. / common viper's bugloss; blue weed
native to southern Europe; plant toxic
Ellisia nyctelea (L.) L. / aunt lucy; ellisia
[*Eriodictyon angustifolium* Nutt. / narrow-leaf yerba santa – erroneously reported for Minnesota
by USDA-NRCS; known only from the western US]
Hackelia deflexa (Wahlenb.) Opiz var. *americana* (A. Gray) Fernald & I.M. Johnst. / nodding
stickseed; American stickseed
Hackelia virginiana (L.) I.M. Johnst. / beggar's-lice; Virginia stickseed
Hydrophyllum appendiculatum Michx. / great waterleaf; maple-leaf waterleaf
Hydrophyllum virginianum L. var. *virginianum* / eastern waterleaf; Virginia waterleaf; Shawnee-salad
[*Lappula occidentalis* (S. Watson) Greene see *L. redowskii*]
Lappula redowskii (Hornem.) Greene / flatspine stickseed; western stickseed
native to Eurasia
Lappula squarrosa (Retz.) Dumort. / European stickseed; two-row stickseed
native to Eurasia
Lithospermum arvense L. / corn gromwell
native to Eurasia; reported for Minnesota by USDA-NRCS but no specimens at MIN
Lithospermum canescens (Michx.) Lehm. / hoary puccoon
Lithospermum caroliniense (Walter ex J.F. Gmel.) MacMill. var. *croceum* (Fernald) Cusick / Carolina
puccoon; hairy puccoon
Lithospermum incisum Lehm. / narrow-leaf stoneseed; narrow-leaf puccoon; fringed gromwell
Lithospermum latifolium Michx. / American stoneseed; American gromwell
Lithospermum officinale L. / European stoneseed
native to Eurasia; reported for Minnesota by USDA-NRCS but no specimens at MIN
Mertensia paniculata (Aiton) G. Don / tall bluebells; paniced bluebells
Mertensia virginica (L.) Pers. ex Link / Virginia bluebells
Myosotis arvensis (L.) Hill / field forget-me-not
native to Eurasia
Myosotis laxa Lehm. / bay forget-me-not; small forget-me-not
Myosotis scorpioides L. / true forget-me-not
native to Europe
Myosotis sylvatica Ehrh. ex Hoffm. / woodland forget-me-not; garden forget-me-not
native to Eurasia
Myosotis verna Nutt. / spring forget-me-not; Virginia forget-me-not
[*Onosmodium bejariense* DC. ex A. DC. see *O. molle*]
Onosmodium molle Michx. / soft hair marbleseed; false gromwell
var. *hispidissimum* (Mack.) Cronquist
var. *occidentale* (Mack.) I.M. Johnst.
Phacelia franklinii (R. Br.) A. Gray / Franklin's phacelia

state Special Concern list

Plagiobothrys scouleri (Hook. & Arn.) I.M. Johnst. var. *hispidulus* (Greene) Dorn / Scouler's popcorn flower

Symphytum asperum Lepechin / prickly comfrey

native to Caucasus Mountains; known only from Goodhue Co. (historical collection from 1881)

Symphytum officinale L. / common comfrey

native to Eurasia

Brassicaceae [fide FNA 2010, vol. 7]

[*Alliaria officinalis* Andrzejowski ex M. Bieb. see *A. petiolata*]

Alliaria petiolata (M. Bieb.) Cavara & Grande / garlic mustard

native to Europe; state DOA controlled-noxious weed, 1st collected 1933, Hennepin Co.

Alyssum alyssoides (L.) L. / pale madwort; alyssum

native to Europe

Arabidopsis lyrata (L.) O'Kane & Al-Shehbaz subsp. *lyrata* / lyrate rockcress; lyre-leaved rockcress

Arabidopsis thaliana (L.) Heynhold / mouse-ear cress

native to Eurasia; reported for Minnesota by USDA-NRCS but no specimens at MIN

[*Arabis canadensis* L. see *Boecheira canadensis*]

[*Arabis divaricarpa* A. Nels. – misapplied to our flora, see *Boecheira grahamii*]

[*Arabis drummondii* A. Gray see *Boecheira stricta*]

[*Arabis glabra* (L.) Bernh. see *Turritis glabra*]

[*Arabis hirsuta* (L.) Scop. see *A. pycnocarpa*]

[*Arabis holboellii* Hornem. var. *retrofracta* (Graham) Rydb. see *Boecheira retrofracta*]

[*Arabis laevigata* (Muhl. ex Willd.) Poir. see *Boecheira laevigata*]

[*Arabis lyrata* L. see *Arabidopsis lyrata*]

[*Arabis perstellata* E.L. Braun – misapplied to the regional flora, see *Boecheira dentata*]

Arabis pycnocarpa M. Hopkins / hairy rockcress; creamflower rockcress

var. *adpressipilis* M. Hopkins – known only from Lake and Waseca counties (historical collection from 1891), probably waifs, natural distribution is IA to OH and southward

var. *pycnocarpa*

[*Arabis shortii* (Fernald) Gleason see *Boecheira dentata*]

[*Armoracia lacustris* A. Gray see *Rorippa aquatica*]

Armoracia rusticana P. Gaertn., B. Mey. & Scherb. / horseradish

native to Eurasia; poisonous to livestock

Barbarea orthoceras Ledeb. / American yellow rocket; winter-cress

Barbarea vulgaris W.T. Aiton / garden yellow rocket

native to Eurasia, 1st collected 1877, Hennepin Co.

vars. not recognized

Berteroa incana (L.) DC. / hoary-alyssum

native to Europe, 1st collected 1894, Ramsey Co.

Boecheira canadensis (L.) Al-Shehbaz / sicklepod; Canadian rockcress

[*Boecheira divaricarpa* (A. Nels.) A. Löve & D. Löve – misapplied to our flora, see *B. grahamii*]

Boecheira collinsii (Fernald) A. Löve & D. Löve / Collins' rockcress

known only from Cook Co. (last collected 1938)

Boecheira dentata (Raf.) Al-Shehbaz & Zarucchi / Short's rockcress; stellate rockcress

[*Boecheira divaricarpa* (A. Nels.) A. Löve & D. Löve / spreading-pod rockcress – misapplied to our flora, see *B. grahamii*]

Boecheira grahamii (Lehmann) Windham & Al-Shehbaz / spreading-pod or spreading rockcress

Boecheira laevigata (Muhl. ex Willd.) Al-Shehbaz / smooth rockcress

Boecheira missouriensis (Greene) Al-Shehbaz / green rockcress

known only from Pine Co. (one roadside population)

Boecheira retrofracta (Graham) A. Löve & D. Löve / second rockcress; Holboell's rockcress

state Threatened list

Boecheira stricta (Graham) Al-Shehbaz / Drummond's rockcress

[*Brassica alba* (L.) Rabenh. see *Sinapis alba*]

[*Brassica campestris* L. see *Brassica rapa*]

Brassica juncea (L.) Czern. / Indian mustard; Chinese mustard
 native to Asia; raw seeds somewhat toxic to livestock, though cultivated as an oil crop and for condiments
 [*Brassica kaber* (DC.) L.C. Wheeler see *Sinapis arvensis*]

Brassica napus L. / rape; rapeseed; rutabaga; canola
 native to Mediterranean; known only from Pennington and St. Louis counties (city weeds), doubtfully
 persisting; seeds somewhat toxic to livestock
 supsp. not recognized

Brassica nigra (L.) W.D.J. Koch / black mustard
 native to Europe; seeds somewhat toxic to livestock

Brassica oleracea L. / cabbage; kale; cauliflower; brussel sprouts; kohlrabi; broccoli
 native to Eurasia; occasional escape from cultivation
 cultivars sometimes recognized as vars.

Brassica rapa L. / field mustard; bird-rape; rapeseed; turnip; canola
 native to Europe; raw seeds poisonous but commonly cultivated as a oil crop

Camelina alyssum (Mill.) Thell. / gold-of-pleasure; European false flax
 native to Europe; known only from Chisago Co. (historical collections from 1885)

Camelina microcarpa DC. / little-pod false flax; small-seed false flax
 native to Europe

Camelina rumelica Velen. / graceful false flax
 native to Eurasia; known only from St. Louis Co., doubtfully persisting; only known specimen at DUL

Camelina sativa (L.) Crantz / gold-of-pleasure; large-seed false flax
 native to Eurasia

Capsella bursa-pastoris (L.) Medik. / shepherd's-purse
 native to southern Europe

Cardamine bulbosa (Schreb. ex Muhl.) Britton, Sterns & Poggenb. / bulbous bittercress; spring cress

Cardamine concatenata (Michx.) O. Schwarz / cut-leaf toothwort

Cardamine diphylla (Michx.) Alph. Wood / crinkleroot
 reported for Minnesota by USDA-NRCS and FNA but no specimens at MIN; known from Ontario, IL, WI

Cardamine douglassii Britt. / limestone bittercress; pink springcress
 reported for Minnesota by FNA but no specimens at MIN; known from Ontario, WI, IA

Cardamine flexuosa Withering / woodland bittercress
 native to Europe; known only from Hennepin Co. (garden weed)

Cardamine impatiens L. / narrow-leaf bittercress
 native to Eurasia; invasive with explosively dehiscent fruits; known only from Ramsey and Dakota
 counties. (along Mississippi River)
 vars. not recognized

Cardamine parviflora L. / sand bittercress; small-flowered bittercress
 vars. not recognized

Cardamine pennsylvanica Muhl. ex Willd. / Pennsylvania bittercress; Quaker bittercress

Cardamine pratensis L. / cuckoo flower
 disjunct from MI, and OH eastward; however, most populations in US introduced from Europe
 vars. not recognized

[*Cardamine rhomboidea* (Pers.) DC. see *C. bulbosa*]

[*Cardaria draba* (L.) Desv. see *Lepidium draba*]

Chorispora tenella (Pallas) DC. / cross flower; blue mustard
 native to Eurasia; known only from Ramsey Co. (one lawn population), doubtfully persisting

[*Cleome serrulata* Pursh see Cleomaceae]

Conringia orientalis (L.) Dumort. / hare's-ear mustard
 native to Eurasia

[*Cristatella jamesii* Torr. & A. Gray see Cleomaceae]

[*Dentaria laciniata* Muhl. ex Willd. see *Cardamine concatenata*]

Descurainia incana (Bernh. ex Fisch. & C.A. Mey.) Dorn / mountain tansy mustard; pinnate tansy mustard
 known only from St. Louis Co. (last collected 1936)

Descurainia pinnata (Walter) Britton subsp. *brachycarpa* (Richardson) Detling / western tansy mustard

[*Descurainia richardsonii* (Sweet) O.E. Schultz see *D. incana*]

Descurainia sophia (L.) Webb ex Prantl / herb-sophia

native to Eurasia, 1st collected 1932, Dakota Co.
Diploxis muralis (L.) DC. / annual wallrocket; sand rocket
 native to Europe; known only from Martin Co., doubtfully persisting
Draba arabisans Michx. / rock draba; Arabian whitlow-grass
 state Special Concern list
 vars. not recognized
 [*Draba breweri* S. Watson / cushion draba – misapplied to the regional flora, see *D. cana*]
Draba cana Rydb. / cushion draba; hairy whitlow-grass
Draba incana L. / twisted draba
 reported for Minnesota by FNA but no specimens at MIN; known from Manitoba and Ontario on rock
 outcrops and gravelly lakeshores
Draba nemorosa L. / woodland draba; yellow whitlow-grass
 vars. not recognized
Draba norvegica Gunnerus / Norwegian draba; Norwegian whitlow-grass
 state Endangered list, disjunct from the high-arctic of Canada; known only from Cook Co.
 vars. not recognized
Draba reptans (Lam.) Fernald / Carolina draba; Carolina whitlow-grass
 vars. not recognized
Draba verna L. / spring draba; European whitlow-grass
 native to Eurasia; known only from St. Louis Co. (Duluth area), doubtfully persisting
Erucastrum gallicum (Willd.) O.E. Schultz / common dog mustard; rocketweed
 native to Europe
Erysimum asperum (Nutt.) DC. / western wallflower
Erysimum cheiranthoides L. / wormseed wallflower; wormseed mustard
 native to Europe
Erysimum inconspicuum (S. Watson) MacMill. / shy wallflower; small-flowered wallflower
Hesperis matronalis L. / dame's rocket
 native to Eurasia
Iberis umbellata L. / globe candytuft
 native to Europe; reported for Minnesota (occasional garden escape near Ely) by Lakela 1965
 but no specimens at MIN; doubtfully persisting
Iodanthus pinnatifidus (Michx.) Steud. / purple rocket
 state Endangered list; northwest limit of distribution
Lepidium campestre (L.) W.T. Aiton / field pepperweed; field peppergrass
 native to Eurasia; seeds somewhat toxic to livestock
Lepidium densiflorum Schrad. / common pepperweed; green-flowered peppergrass
 seeds somewhat toxic to livestock
Lepidium draba L. / whitetop; hoary-cress
 native to Mediterranean region
Lepidium perfoliatum L. / clasping pepperweed; clasping peppergrass
 native to Eurasia; known only from Clay Co., doubtfully persisting; seeds somewhat toxic to livestock
Lepidium ramosissimum A. Nelson / many-branched pepperweed
 reported for Minnesota by FNA but no specimens at MIN
Lepidium sativum L. / garden cress pepperweed; garden cress
 native to Eurasia; seeds somewhat toxic to livestock
Lepidium virginicum L. subsp. *virginicum* / Virginia pepperweed; Virginia pepperwort; poor-man's peppergrass
 seeds somewhat toxic to livestock
 [*Lesquerella ludoviciana* (Nutt.) S. Watson see *Physaria ludoviciana*]
Lobularia maritima (L.) Desv. / sweet-alyssum
 native to Mediterranean region
Lunaria annua L. / annual honesty; money plant
 native to southeastern Europe; known only from Hennepin Co. (last collected 1941), doubtfully persisting
Nasturtium microphyllum Boenn. ex Rchb. / one-row yellowcress
 native to Europe
Nasturtium officinale W.T. Aiton / one-row yellow cress; small-leaved watercress
 native to Eurasia

[*Neobeckia aquatica* (Eat.) Greene see *Rorippa aquatica*]

Neslia paniculata (L.) Desv. / ball mustard
native to western Asia

Physaria ludoviciana (Nutt.) O'Kane & Al-Shehbaz / foothill bladderpod
state Endangered list; disjunct from Great Plains westward

[*Polanisia dodecandra* (L.) DC. see Cleomaceae]

[*Polanisia jamesii* (Torr. & A. Gray) H.H. Iltis see Cleomaceae]

Raphanus raphanistrum L. subsp. *raphanistrum* / wild radish; jointed charlock
native to Eurasia, 1st collected 1888, Anoka Co.

Raphanus sativus L. / cultivated radish; garden radish
native to Eurasia; doubtfully persisting

Rorippa aquatica (Eaton) E.J. Palmer & Steyermark / lakecress
known only from Wilkin Co.

Rorippa austriaca (Crantz) Besser / Austrian yellow cress
native to Europe; known only from Pipestone Co.

Rorippa curvipes Greene / blunt-leaf yellow cress

[*Rorippa islandica* (Oeder ex Murray) Borbás see *R. palustris* subsp. *palustris*]

[*Rorippa microphylla* (Boenn. ex Rchb.) Hyl. ex A. Löve & D. Löve see *Nasturtium microphyllum*]

[*Rorippa nasturtium-aquaticum* (L.) Hayek – misapplied to US flora, see *Nasturtium officinale*]

Rorippa palustris (L.) Besser / bog yellow cress; Icelandic yellow cress

[subsp. *fernaldiana* (Butters & Abbe) Jonsell see subsp. *palustris*]

[var. *fernaldiana* (Butters & Abbe) Stuckey see subsp. *palustris*]

subsp. *hispida* (Desv.) Jonsell

subsp. *palustris*

Rorippa sessiliflora (Nutt.) Hitchc. / stalkless yellow cress; sessile-flowered yellow cress
state Special Concern (known only from historical collections to 1891)

Rorippa sinuata (Nutt.) Hitchc. / spreading yellow cress

Rorippa sylvestris (L.) Besser / creeping yellow cress
native to Eurasia

Sinapis alba L. / white mustard

native to Europe; known only from Ramsey Co., doubtfully persisting

Sinapis arvensis L. / charlock mustard; wild mustard

native to Europe, 1st collected 1877, Hennepin Co.

Sisymbrium altissimum L. / tall tumble mustard

native to Eurasia

Sisymbrium loeselii L. / small tumble mustard; tall hedge mustard

native to eastern Mediterranean region

Sisymbrium officinale (L.) Scop. / hedge mustard

native to Mediterranean region

Subularia aquatica L. subsp. *americana* (Mulligan & Calder) B. Boivin / water awlwort

state Threatened list

Thlaspi arvense L. / field pennycress

native to Eurasia, 1st collected 1883, Goodhue Co.; seeds somewhat toxic to livestock

Turritis glabra L. / tower rockcress; tower mustard

Butomaceae [fide FNA 2000, vol. 22]

Butomus umbellatus L. / flowering-rush

native to Eurasia; on MN-DNR Prohibited Invasive Species list; 1st collected 1972, Rice Co.

Buxaceae

Pachysandra terminalis Sieb. & Zucc. / Japanese pachysandra

native to China and Japan; occasionally escaping from cultivation but no specimens at MIN

C

Cabombaceae [fide FNA 1997, vol. 3]

Brasenia schreberi J.F. Gmelin / watershield

Cactaceae [fide FNA 2003, vol. 4]

[*Coryphantha missouriensis* (Sweet) Britton & Rose / Missouri foxtail cactus – erroneously reported for Minnesota by USDA-NRCS but no specimens at MIN; possibly to be expected along the western border on dry rocky prairies]

Coryphantha vivipara (Nutt.) Britton & Rose / spiny star; spiny star purple pincushion cactus; ball cactus
state Endangered list; eastern limit of distribution

[*Escobaria missouriensis* (Sweet) D.R. Hunt see *Coryphantha missouriensis*]

[*Escobaria vivipara* (Nutt.) Buxb. see *Coryphantha vivipara*]

Opuntia fragilis (Nutt.) Haw. / brittle pricklypear

Opuntia humifusa (Raf.) Raf. var. *humifusa* / devil's-tongue; plains pricklypear
state Special Concern list

[*Opuntia macrorhiza* Engelm. / twist-spine pricklypear – misapplied to our flora fide FNA, see *O. humifusa*; some taxonomists (B. Parfitt, pers. comm.) do not believe this is a separate species from *O. humifusa* but instead represents a color phase but this is unresolved; plants with flower color of *O. macrorhiza* have been found in western Minnesota, fide F. Harris, MN-DNR]

Caesalpiniaceae see Fabaceae

Callitrichaceae see Plantaginaceae

Campanulaceae

[*Campanulastrum americanum* (L.) Small see *Campanula americana*]

Campanula americana L. / tall bellflower; American bellflower

Campanula aparinoides Pursh / marsh bellflower

var. *aparinoides*

var. *grandiflora* J.M. Holzinger

Campanula cervicaria L. / bristly bluebells; bristly bellflower
native to Europe

Campanula glomerata L. / Dane's-blood bellflower; clustered bellflower
native to Europe; known only from St. Louis Co. (former agricultural test plots)

Campanula persicifolia L. / peachleaf bellflower
native to Asia; known only from St. Louis Co. (Duluth area)

Campanula rapunculoides L. / rampion bellflower; European bellflower
native to Eurasia; known to be an aggressive invader in other regions

Campanula rotundifolia L. / bluebell bellflower; harebell

[*Lobelia* see Lobeliaceae]

Triodanis leptocarpa (Nutt.) Nieuwl. / slim-pod Venus' looking-glass; slender-fruited Venus' looking-glass

Triodanis perfoliata (L.) Nieuwl. / clasping Venus' looking-glass; clasping-leaf Venus' looking-glass

Cannabaceae [fide FNA 1997, vol. 3]

Cannabis sativa L. / marijuana; hemp

both native and alien forms occur; contains intoxicating compounds (federally regulated)

Celtis occidentalis L. / common hackberry; eastern hackberry

Humulus japonicus Siebold & Zucc. / Japanese hops

native to eastern Asia; known only from Fillmore Co.

Humulus lupulus L. / common hops

var. *lupuloides* E. Small

var. *pubescens* E. Small

Caprifoliaceae

[*Diervilla* see Diervillaceae]

[*Linnaea* see Linnaeaceae]

Lonicera x bella Zabel (*L. morrowii* x *tatarica*) / showy fly honeysuckle; pretty honeysuckle;
belle honeysuckle

parents native to Eurasia

Lonicera caerulea L. / mountain fly honeysuckle
 var. *edulis* Turcz. ex Herder – native to eastern Siberia; known only from St. Louis Co. (Duluth area)
 var. *villosa* (Michx.) Torr. & A. Gray
Lonicera canadensis W. Bartram ex Marshall / American fly honeysuckle
Lonicera dioica L. / limber honeysuckle; wild honeysuckle
 erroneously called Japanese honeysuckle by some
 var. *dioica*
 var. *glaucescens* (Rydb.) Butters
Lonicera hirsuta Eaton / hairy honeysuckle
Lonicera morrowii A. Gray / Morrow's honeysuckle
 native to Japan
Lonicera oblongifolia (Goldie) Hook. / swamp fly honeysuckle
Lonicera prolifera (Kirchn.) Booth ex Rehder / grape honeysuckle
 [*Lonicera reticulata* Raf. see *L. prolifera*]
Lonicera tatarica L. / Tatarian (often misspelled as Tartarian) honeysuckle
 native to Eurasia
Lonicera x salicifolia Dieck ex Zabel (*L. ruprechtiana x xylosteoides*) / no USDA name; willow-leaf honeysuckle
 native to Eurasia; known only from St. Louis Co. (Duluth area)
 [*Lonicera villosa* (Michx.) Schult. see *L. caerulea*]
Lonicera xylosteum L. / dwarf fly-honeysuckle; European honeysuckle
 native to Europe
 [*Sambucus* see Adoxaceae]
Symphoricarpos albus (L.) S.F. Blake / common snowberry
Symphoricarpos occidentalis Hook. / western snowberry; wolfberry
Symphoricarpos orbiculatus Moench / coralberry; buckbrush
 state Special Concern list
Triosteum aurantiacum E.P. Bicknell / orange-fruit horse-gentian
Triosteum perfoliatum L. / feverwort; horse-gentian
 [*Viburnum* see Adoxaceae]

Caryophyllaceae [fide FNA 2005, vol. 5]

Agrostemma githago L. var. *githago* / common corncockle; purple cockle
 native to Eurasia; (historical collections to 1912) becoming less common in
 North America due to herbicide and seed screening protocols; seeds toxic, contain saponin
 [*Arenaria dawsonensis* Britton see *Minuartia dawsonensis*]
 [*Arenaria lateriflora* L. see *Moehringia lateriflora*]
 [*Arenaria macrophylla* Hook. see *Moehringia macrophylla*]
Arenaria serpyllifolia L. var. *serpyllifolia* / thyme-leaf sandwort
 native to Eurasia and Africa
 [*Arenaria stricta* Michx. var. *litorea* (Fernald) B. Boivin see *Minuartia dawsonensis*]
Cerastium arvense L. / field chickweed; field mouse-ear chickweed; starry grasswort
 subsp. *arvense* – native to western Europe; known only from St. Louis Co. (Duluth area)
 subsp. *strictum* Gaudin
 [subsp. *velutinum* (Raf.) Ugborgho see *C. velutinum*]
Cerastium brachypodum (Engelm. ex A. Gray) B.L. Rob. / short-stalk chickweed; gray mouse-ear
 chickweed; short-stalk mouse-ear chickweed
Cerastium fontanum Baumg. subsp. *vulgare* (Hartm.) Greuter & Burdet / common mouse-ear chickweed
 native to Europe
Cerastium nutans Raf. var. *nutans* / nodding chickweed; nodding mouse-ear chickweed
Cerastium velutinum Raf. var. *velutinum* / large-field mouse-ear chickweed
 reported for Minnesota by FNA but no specimens at MIN; known from Ontario, IA, MI
 [*Cerastium vulgatum* L. – a rejected name, no longer considered valid because of
 widespread misapplications and confusion with typification; most of our specimens
 are *C. fontanum*]
Dianthus armeria L. subsp. *armeria* / Deptford pink
 native to Eurasia

Dianthus barbatus L. subsp. *barbatus* / sweet william
native to Eurasia; doubtfully persisting

Dianthus deltoides L. subsp. *deltoides* / maiden pink
native to Europe; doubtfully persisting

Gypsophila elegans M. Bieb. / showy baby's-breath; elegant baby's-breath
native to Eurasia; doubtfully persisting

Gypsophila muralis L. / low baby's-breath; cushion baby's-breath; wall baby's-breath
native to Eurasia; doubtfully persisting

Gypsophila paniculata L. / common baby's-breath; paniculate baby's-breath; perennial baby's-breath
native to Eurasia

[*Lychnis alba* Mill. see *Silene latifolia*]

[*Lychnis chalcedonica* L. see *Silene chalcedonica*]

[*Lychnis dioica* L. see *Silene dioica*]

Minuartia dawsonensis (Britton) House / rock stitchwort; rock sandwort
state Special Concern list

Minuartia michauxii (Fenzl) Farw. / Michaux's stitchwort; rock sandwort
reported for Minnesota by USDA-NRCS but no specimens at MIN; known from WI, IA, SD;
to be expected along the southern border on calcareous gravel and ledges

Minuartia patula (Michx.) Mattfeld / pitcher's stitchwort
reported for Minnesota by USDA-NRCS but no specimens at MIN; known from WI, IL

Moehringia lateriflora (L.) Fenzl / blunt-leaf sandwort; side-flowering sandwort; grove sandwort

Moehringia macrophylla (Hook.) Fenzl / large-leaf sandwort; big-leaf sandwort
state Threatened list

Myosoton aquaticum (L.) Moench / giant chickweed; water chickweed
native to Eurasia

Paronychia canadensis (L.) A.W. Wood / smooth forked nailwort; Canadian forked chickweed
state Threatened list; northwest limit of distribution

Paronychia fastigiata (Raf.) Fernald var. *fastigiata* / hairy forked nailwort; forked chickweed;
state Endangered list, northwest limit of distribution; known only from
Washington Co.

Petrorhagia saxifraga (L.) Link var. *saxifraga* / saxifrage-pink; tunic flower; petrorhagia
native to Eurasia; known only from St. Louis Co. (historical collections to 1940)

Sagina nodosa (L.) Fenzl subsp. *borealis* G.E. Crow / knotty pearlwort; knotted pearlwort
state Endangered list; disjunct from arctic Canada

Sagina procumbens L. / bird's eye pearlwort; matted pearlwort
native to Europe; known only from St. Louis Co. (Duluth area)

Saponaria officinalis L. / bouncing bet; soapwort
native to Eurasia; plants used as a liquid soap but toxic as contain saponin

Scleranthus annuus L. subsp. *annuus* / German knotgrass; knawel
native to Eurasia

Silene antirrhina L. / sleepy silene; sleepy catchfly

Silene armeria L. / sweet william silene; sweet william catchfly
native to Europe

Silene chalcedonica (L.) E.H.L. Krause / Maltese cross; scarlet campion; scarlet lychnis
native to Asia; although perennial doubtfully persisting more than a few years

Silene csereii Baumg. / Balkan catchfly; smooth catchfly
native to southeastern Europe

Silene dichotoma Ehrh. subsp. *dichotoma* / forked catchfly; forking catchfly
native to Europe

Silene dioica (L.) Clairville / red catchfly
native to Europe

Silene drummondii Hook. subsp. *drummondii* / Drummond's campion
state Special Concern list; eastern limit of distribution

Silene flos-cuculi (L.) Clairville subsp. *flos-cuculi* / ragged robin
native to Europe; known only from Aitkin Co.

Silene latifolia Poir. / bladder campion; white campion

native to Eurasia, 1st collected 1878, Martin Co.
 subsp. not recognized for North America material
Silene nivea (Nutt.) Muhl. ex Otth / evening campion; snowy campion
 state Threatened list; northwest limit of distribution
Silene noctiflora L. / night-flowering silene; night-flowering campion; sticky cockle
 native to Europe, 1st collected 1878, Hennepin Co.
 [*Silene pratensis* (Raf.) Gren. & Godr. see *S. latifolia*]
Silene stellata (L.) W.T. Aiton / widow's frill; starry campion
 vars. not recognized
Silene vulgaris (Moench) Garcke / maiden's tears; bladder campion
 native to Europe
Spergula arvensis L. / corn spurry
 native to Eurasia
Spergularia rubra (L.) J. Presl & C. Presl / red sandspurry
 native to Eurasia
Spergularia salina J. Presl & C. Presl / salt-marsh sandspurry
 to be expected as a widespread weed (known from nearly all states and provinces);
 native to Eurasia
Stellaria alsine Grimm / bog stitchwort; bog chickweed; alsine chickweed
 native to eastern Canada, US
 [*Stellaria aquatica* (L.) Scop. see *Myosoton aquaticum*]
Stellaria borealis Bigelow subsp. *borealis* / boreal starwort; northern starwort
 frequently hybridizes with *S. longifolia*, though no hybrids reported for Minnesota
Stellaria crassifolia Ehrh. / fleshy starwort; fleshy-leaved starwort
Stellaria graminea L. / grass-like starwort; lesser stitchwort
 native to Europe
Stellaria longifolia Muhl. ex Willd. / long-leaf starwort; long-leaf chickweed
 frequently hybridizes with *S. borealis*, though no hybrids reported for Minnesota
Stellaria longipes Goldie subsp. *longipes* / long-stalk starwort; long-stalk chickweed
 state Special Concern list
Stellaria media (L.) Vill. / common chickweed
 native to Europe
 [*Stellaria pubera* Michx. / star chickweed – erroneously reported for Minnesota by USDA-NRCS;
 known only from IN south- and eastward]
Vaccaria hispanica (Mill.) Rauschert / cow soapwort; cowherb
 native to Eurasia
 [*Vaccaria pyramidata* Medik. see *V. hispanica*]

Celastraceae

Celastrus orbiculatus Thunb. / Oriental bittersweet; Asian bittersweet
 native to Asia; state DOA eradicate-noxious weed; known only from Anoka and Hennepin counties
Celastrus scandens L. / American bittersweet
 fruit toxic, possibly other parts
Euonymus alatus (Thunb.) Sieb. / burning bush; winged euonymus
 native to eastern Asia; known only from St. Louis Co.
Euonymus atropurpureus Jacq. / burning bush; wahoo
 bark, fruits, seeds poisonous

Ceratophyllaceae [fide FNA 1997, vol. 3]

Ceratophyllum demersum L. / coon's tail; common coontail; hornwort
Ceratophyllum echinatum A. Gray / spineless hornwort; spiny coontail

Chenopodiaceae see Amaranthaceae

Cistaceae

Helianthemum bicknellii Fernald / hoary frostweed

Helianthemum canadense (L.) Michx. / long-branch frostweed; Canadian frostweed
Hudsonia tomentosa Nutt. / woolly beach-heather; sand golden-heather
state Special Concern list
Lechea intermedia Legg. ex Britton / large-pod pinweed; intermediate pinweed
Lechea stricta Legg. ex Britton / prairie pinweed
Lechea tenuifolia Michx. var. *tenuifolia* / narrow-leaf pinweed
state Endangered list

Cleomaceae [fide FNA 2010, vol. 7]

[*Cleome serrulata* Pursh see *Peritoma serrulata*]
[*Cristatella jamesii* Torr. & A. Gray see *Polanisia jamesii*]
Peritoma serrulata (Pursh) DC. / Rocky Mountain beeplant; spider flower
Polanisia dodecandra (L.) DC. / red-whisker clammyweed
var. *dodecandra*
var. *trachysperma* (Torr. & A. Gray) H.H. Iltis
Polanisia jamesii (Torr. & A. Gray) H.H. Iltis / James' clammyweed; James' polanisia
state Endangered list; northern limit of distribution

Clusiaceae

[*Hypericum* see Hypericaceae]
[*Triadenum* see Hypericaceae]

Colchicaceae [fide FNA 2002, vol. 26]

Clintonia borealis (Aiton) Raf. / blue bead-lily; yellow clintonia
Uvularia grandiflora Sm. / large-flower bellwort; merrybells
Uvularia sessilifolia L. / sessile-leaf bellwort; pale bellwort; strawlily

Commelinaceae [fide FNA 2000, vol. 22]

Commelina communis L. / Asiatic dayflower
native to Asia
Commelina erecta L. / white-mouth dayflower; slender dayflower
known only from Wabasha Co.
Tradescantia bracteata Small / long-bract spiderwort; bracted spiderwort;
sticky spiderwort
Tradescantia occidentalis (Britton) Smyth var. *occidentalis* / prairie spiderwort; western spiderwort
Tradescantia ohioensis Raf. / bluejacket; Ohio spiderwort
Tradescantia virginiana L. / Virginia spiderwort
reported for Minnesota by USDA-NRCS but no specimens at MIN; known from one disjunct
population in WI, otherwise from southeastern IA, IL south- and eastward

Convolvulaceae

Calystegia sepium (L.) R. Br. / hedge false bindweed; hedge bindweed
Calystegia spithamea (L.) Pursh / low false bindweed; upright bindweed
Convolvulus arvensis L. / field bindweed
native to Europe, 1st collected 1902, Jackson Co.
[*Convolvulus sepium* L. see *Calystegia sepium*]
[*Convolvulus spithameus* L. see *Calystegia spithamea*]
[*Cuscuta campestris* Yunck. see *C. pentagona*]
Cuscuta – most species are listed as federal noxious weeds because they are parasitic plants
Cuscuta cephalanthi Engelm. / buttonbush dodder
Cuscuta coryli Engelm. / hazel dodder
Cuscuta glomerata Choisy / rope dodder; aster dodder
Cuscuta gronovii Willd. ex Roem. & Schult. / scaldweed; swamp dodder
Cuscuta indecora Choisy / big-seed alfalfa dodder; collared dodder
known only from Clay Co. (one pasture population)
Cuscuta megalocarpa Rydb. / big-fruit dodder; large-fruit dodder

known only from Lake Co. (last collected 1951)

Cuscuta obtusiflora Kunth var. *glandulosa* Engelm. / Peruvian dodder; southern dodder
mostly found in the southern US & southward; known only from Winona Co.
(historical collection from 1897)

Cuscuta pentagona Engelm. / five-angle dodder; bur clover dodder

Cuscuta polygonorum Engelm. / smartweed dodder

[*Cuscuta umbrosa* Hook. see *C. gronovii*]

Ipomoea cristulata Hallier f. / Trans-Pecos morning glory

reported for Minnesota by USDA-NRCS but no specimens at MIN; known from IA

Ipomoea hederacea Jacq. / ivy-leaf morning glory

native to warm temperate Americas; known only from Winona Co. (historical collections from 1886)

Ipomoea purpurea (L.) Roth / tall morning glory; common morning glory

native to tropical Americas; occasionally escaping from cultivation, doubtfully persisting

Cornaceae

Cornus alternifolia L.f. / alternate-leaf dogwood; pagoda dogwood

Cornus amomum Mill. / silky dogwood

[subsp. *obliqua* (Raf.) Wilson see var. *schuetzeana*]

var. *schuetzeana* (C.A. Mey.) Rickett

Cornus canadensis L. / bunchberry dogwood; Canada dogwood; bunchberry

[*Cornus foemina* Mill. see *C. racemosa*]

[*Cornus obliqua* Raf. see *C. amomum* var. *schuetzeana*]

Cornus racemosa Lam. / gray dogwood; panicled dogwood

Cornus rugosa Lam. / round-leaf dogwood

Cornus sericea L. / red-osier dogwood

[*Cornus stolonifera* Michx. see *C. sericea*]

Crassulaceae [fide FNA 2009, vol. 8]

Crassula aquatica (L.) Schönland / water pygmyweed

state Threatened list

Hylotelephium telephioides (Michx.) H. Ohba / Alleghany stonecrop

native to eastern US; known only from Lake Co. (one Lake Superior island population)

Hylotelephium telephium (L.) H. Ohba / witch's moneybags; orpine

native to Europe

Phedimus aizoon (L.) 't Hart / orange stonecrop; aizoon stonecrop

native to Asia; rarely escapes from cultivation in the Lake Superior area

Phedimus spurius (M. Bieberstein) 't Hart / two-row stonecrop

native to the Caucasus Mountains; known only from St. Louis Co. (Duluth area)

Rhodiola integrifolia Raf. subsp. *leedyi* (Rosend. & J.W. Moore) H. Ohba / ledge stonecrop; western roseroot; Leedy's roseroot

federal Threatened list / state Endangered list; disjunct from western North America

Sedum acre L. / goldmoss stonecrop; mossy stonecrop; golden carpet

native to Greenland, Eurasia, and north Africa

[*Sedum aizoon* L. see *Phedimus aizoon*]

[*Sedum integrifolium* (Raf.) A. Nels. subsp. *leedyi* (Rosend. & Moore) Clausen see *Rhodiola integrifolia*]

[*Sedum kamtschaticum* Fisch. & C.A. Mey. subsp. *ellacombeanum* (Praeger) R.T. Clausen
see *Phedimus aizoon*]

[*Sedum purpureum* (L.) J.A. Schultes see *Hylotelephium telephium*]

[*Sedum reflexum* L. / Jenny's stonecrop – see *S. rupestre*]

[*Sedum rosea* (L.) Scop. var. *integrifolium* (Raf.) A. Berger see *Rhodiola integrifolia* subsp. *leedyi*]

Sedum rupestre L. / Jenny's stonecrop

native to Europe; known only from St. Louis Co. (Duluth area)

[*Sedum spurium* Bieb. see *Phedimus spurius*]

[*Sedum telephioides* Michx. see *Hylotelephium telephioides*]

[*Tillaea aquatica* L. see *Crassula aquatica*]

Cucurbitaceae

Echinocystis lobata (Michx.) Torr. & A. Gray / wild cucumber; balsam-apple

Sicyos angulatus L. / bur cucumber

Thladiantha dubia Bunge / Manchu tubergourd

native to Asia; reported for Minnesota by USDA-NRCS but based on cultivated specimens

Cuscutaceae see Convolvulaceae

Cyperaceae [fide FNA 2002, vol. 23]

Bolboschoenus fluviatilis (Torr.) Soják / river bulrush

Bolboschoenus maritimus (L.) Palla subsp. *paludosus* (A. Nels.) T. Koyama / cosmopolitan bulrush; prairie bulrush

Bulbostylis capillaris (L.) C.B. Clarke / densetuft hair sedge; three-leaf beakseed
vars. not recognized

[*Carex abdita* E.P. Bicknell see *C. umbellata*]

Carex adusta Boott / lesser brown sedge; browned sedge; brown oval sedge

[*Carex aenea* Fernald see *C. foenea*]

Carex aggregata Mack. / glomerate sedge

reported for Minnesota by FNA but no specimens at MIN; known from SD, IA, WI

Carex albicans Willd. ex Spreng. / white-tinged sedge; oak sedge

to be expected in the southeastern corner (known from IA, WI), in open forests on dry acidic soils over sandstone and granite or calcareous soils

Carex albursina E. Sheld. / white bear sedge; bluntscale sedge

Carex alopecoidea Tuck. / foxtail sedge; brown-head fox sedge

[*Carex amphibola* Steud. var. *turgida* Fernald see *C. grisea*]

[*Carex angustior* Mack. see *C. echinata*]

Carex annectans (E.P. Bicknell) E.P. Bicknell / yellow-fruit sedge; yellow-fruited fox sedge

state Special Concern list

vars. not recognized

Carex aquatilis Wahlenb. / water sedge; aquatic sedge; long-bracted tussock sedge

[var. *altior* (L.H. Bailey) Rydb. – misapplied to our flora and easily confused with *C. emoryi*]

var. *aquatilis* – known only from the North Shore (fide G. Wheeler)

var. *substricta* Kükenthal

Carex arcta Boott / northern clustered sedge; bear sedge

Carex arctata Boott / drooping woodland sedge; drooping wood sedge

Carex assiniboinensis W. Boott / Assiniboia sedge; Assiniboin sedge

Carex atherodes Spreng. / wheat sedge; slough sedge

Carex aurea Nutt. / golden sedge; golden fruited sedge

Gleason & Cronquist (1991) included *C. garberi* in this taxon

Carex backii W. Boott / Back's sedge

Gleason & Cronquist (1991) included *C. saximontana* in this taxon

Carex bebbii (L.H. Bailey) Olney ex Fernald / Bebb's sedge

Carex bicknellii Britton / Bicknell's sedge

Carex blanda Dewey / eastern woodland sedge; charming sedge

[*Carex brachyglossa* Mack. see *C. annectans*]

Carex brevior (Dewey) Mack. ex Lunell / shortbeak sedge; plains oval sedge

Gleason & Cronquist (1991) included *C. merritt-fernaldii* and *C. molesta* in this taxon

Carex bromoides Schkuhr ex Willd. subsp. *bromoides* / brome-like sedge

Carex brunnescens (Pers.) Poir. / brownish sedge; green bog sedge

subsp. *brunnescens*

subsp. *sphaerostachya* (Tuck.) Kalela

Carex bushii Mack. / Bush's sedge; long-scale green sedge

known only from Ramsey Co. ("storm water wetland")

Carex buxbaumii Wahlenb. / Buxbaum's sedge

Carex canescens L. / silvery sedge; gray bog sedge

subsp. *canescens*

subsp. *disjuncta* (Fernald) Toivonen
 [var. *subloliacea* Laestad. – misapplied to our flora, see subsp. *canescens*]
Carex capillaris L. / hair-like sedge
 vars. not recognized
Carex careyana Torr. ex Dewey / Carey's sedge
 state Threatened list; northwest limit of distribution
Carex castanea Wahlenb. / chestnut sedge; chestnut-colored sedge
 [*Carex cephalantha* (L.H. Bailey) E.P. Bicknell see *C. echinata*]
Carex cephaloidea (Dewey) Dewey / thin-leaf sedge; clustered bract sedge
Carex cephalophora Muhl. ex Willd. / oval-leaf sedge; oval-headed sedge; woodbank sedge
Carex chordorrhiza Ehrh. ex L.f. / creeping sedge; cordroot sedge
Carex communis L.H. Bailey var. *communis* / fibrous-rooted sedge; colonial sedge
Carex comosa Boott / long-hair sedge; bristly sedge
Carex conjuncta Boott / soft fox sedge; jointed sedge
 state Threatened list, disjunct from southern IA and IL; known only
 from Rice Co. and restored wetland in Ramsey Co.
Carex conoidea Willd. / open field sedge; Katahdin sedge; prairie gray sedge
 this includes *C. katahdinensis*, which was on the state Threatened list
 [*Carex convoluta* Mack. see *C. rosea*]
Carex crawei Dewey / Crawe's sedge; early fen sedge
Carex crawfordii Fernald / Crawford's sedge
Carex crinita Lam. var. *crinita* / fringed sedge
Carex cristatella Britton / crested sedge
Carex crus-corvi Shuttlew. / raven foot sedge; raven's-foot sedge
 state Special Concern list; known only from Goodhue Co. (historical collection from 1885)
 Gleason & Cronquist (1991) included *C. flava* var. *fertilis* in this taxon
Carex cryptolepis Mack. / northeastern sedge
Carex davisii Schwein. & Torr. / Davis' sedge
 state Threatened list; northwest limit of distribution
Carex debilis Michx. var. *rudgei* L.H. Bailey / white-edge sedge; weak sedge
Carex deflexa Hornem. var. *deflexa* / northern sedge; northern oak sedge
Carex deweyana Schwein. var. *deweyana* / Dewey's sedge
Carex diandra Schrank / lesser panicled sedge; bog panicled sedge
 [*Carex dioica* L. var. *gynocrates* (Wormsk. ex Drejer) Ostenf. see *C. gynocrates*]
Carex disperma Dewey / soft-leaf sedge; two-seed bog sedge
Carex duriuscula C.A. Mey. / needle-leaf sedge; spikerush sedge; hard sedge
Carex eburnea Boott / bristle-leaf sedge; ivory sedge
Carex echinata Murray subsp. *echinata* / star sedge; slender sedge
Carex echinodes (Fern.) Rothr. Reznicek & Hipp / quill sedge; marsh straw sedge
 recently elevated from a variety of *C. tenera* to the species level (2009, Systematic Botany 34(2))
 [*Carex eleocharis* L.H. Bailey see *C. duriuscula*]
Carex emoryi Dewey / Emory's sedge
Carex exilis Dewey / coastal sedge
 state Special Concern list
Carex festucacea Schkuhr ex Willd. / fescue sedge
 state Threatened list, northwest limit of distribution; known only from Jackson Co.
Carex filifolia Nutt. var. *filifolia* / thread-leaf sedge; filiform sedge
Carex flava L. / yellow sedge
 state Special Concern list
 [*Carex foenea* Willd. (of Ownbey & Morley 1991) see *C. siccata*]
Carex foenea Willd. (of Gleason & Cronquist) / dry-spike sedge; hay sedge; bronze-headed sedge
Carex formosa Dewey / handsome sedge
 state Endangered list
Carex garberi Fernald / elk sedge; Garber's sedge
 state Threatened list
 [*Carex gracilescens* Steud. – misapplied to our flora, see *C. ormostachya*]

Carex gracillima Schwein. / graceful sedge
Carex granularis Muhl. ex Willd. / limestone meadow sedge; granular sedge
 vars. not recognized
Carex gravida L.H. Bailey / heavy sedge; long-awned bracted sedge
Carex grayi J. Carey / Gray's sedge; bur sedge
Carex grisea Wahlenb. / inflated narrow-leaf sedge; ambiguous sedge
Carex gynandra Schwein. / nodding sedge
Carex gynocrates Wormsk. ex Drejer / northern bog sedge; feminine sedge
Carex hallii Olney / deer sedge; Hall's sedge
 state Special Concern list
Carex haydenii Dewey / Hayden's sedge; long-scale tussock sedge
 [*Carex heliophila* Mack. see *C. inops* subsp. *heliophila*]
Carex hirtifolia Mack. / pubescent sedge; hairy-leaved sedge
Carex hitchcockiana Dewey / Hitchcock's sedge; hairy wood sedge
Carex hookerana Dewey / Hooker's sedge
 native from SD to MT and northward; known only from Becker Co. (one farm-road
 population, probably introduced)
Carex houghtoniana Torr. ex Dewey / Houghton's sedge
Carex hystericina Muhl. ex Willd. / bottlebrush sedge; porcupine sedge
Carex inops L.H. Bailey subsp. *heliophila* (Mack.) Crins / sun sedge; long-stolon sedge
Carex interior L.H. Bailey / inland sedge; interior sedge
Carex intumescens Rudge / greater bladder sedge
Carex jamesii Schwein. / James' sedge
 state Threatened list; northwest limit of distribution
 [*Carex katahdinensis* Fernald see *C. conoidea*]
Carex x knieskernii Dewey (*C. arctata* x *castanea*) / no USDA name
 reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario, WI, MI
Carex lacustris Willd. / hairy sedge; common lake sedge
Carex laeviconica Dewey / smooth-cone sedge
Carex laevivaginata (Kükenthal) Mack. / smooth-sheath sedge
 state Threatened list; northwest limit of distribution
 [*Carex lanuginosa* Michx. - misapplied to our flora, see *C. pellita*]
 [*Carex lapponica* O.F. Lang / Lapland sedge – arctic species erroneously reported
 for Minnesota by USDA-NRCS]
Carex lasiocarpa Ehrh. subsp. *americana* (Fernald) Hultén / American woolly-fruit sedge;
 wiregrass sedge
Carex laxiculmis Schwein. / spreading sedge; loose-culmed sedge
 state Threatened list; northwest limit of distribution
 var. *copulata* (L.H. Bailey) Fernald
 var. *laxiculmis* –reported for Minnesota by USDA-NRCS but no specimens at MIN; known from IA and WI
Carex lenticularis Michx. var. *lenticularis* / lakeshore sedge; lenticular sedge
Carex leptalea Wahlenb. / bristle-stalked sedge
Carex leptoneuria (Fernald) Fernald / nerveless woodland sedge; fine-nerved sedge
Carex limosa L. / mud sedge; candle-lantern sedge
Carex livida (Wahlenb.) Willd. / livid sedge; lead-colored sedge
Carex lucorum Willd. ex Link var. *lucorum* / Blue Ridge sedge
 reported for Minnesota by FNA and MN-DNR but no specimens at MIN; known from WI and MI
Carex lupulina Willd. / hop sedge; hop-umbrella sedge
Carex lurida Wahlenb. / shallow sedge
 known only from Mille Lacs Co.; only known specimen deposited at NY
Carex magellanica Lam. subsp. *irrigua* (Wahlenb.) Hiitonen / boreal bog sedge; poor sedge
Carex meadii Dewey / Mead's sedge
Carex media R. Br. ex Richardson / closed-head sedge; intermediate sedge
Carex merritt-fernaldii Mack. / Fernald's sedge
Carex michauxiana Boeck. / Michaux' sedge
 state Special Concern list

Carex molesta Mack. ex Bright / troublesome sedge; field oval sedge
Carex muehlenbergii Schkuhr ex Willd. / Muehlenberg's sedge; sand bracted sedge
 var. *enervis* Boott
 var. *muehlenbergii*
 [*Carex muricata* L. / rough sedge – misapplied to our flora, see *C. echinata*]
Carex muskingumensis Schwein. / Muskingum sedge; swamp oval sedge
Carex normalis Mack. / greater straw sedge; right-angled sedge; spreading oval sedge
 [*Carex norvegica* Retz. - misapplied to our flora, see *C. media*]
Carex novae-angliae Schwein. / New England sedge
 range extension from WI; known only from Lake Co.
Carex obtusata Lilj. / obtuse sedge; blunt sedge
 state Special Concern list
Carex oligocarpa Willd. / rich woods sedge; few-fruited sedge
Carex oligosperma Michx. / few-seeded sedge; bog wiregrass sedge
Carex ormostachya Wiegand / necklace spike sedge; slender loose-flowered sedge
Carex pallescens L. / pale sedge; pale green sedge
 state Endangered list; western limit of distribution
 [*Carex parryana* Dewey - misapplied to our flora, see *C. hallii*]
Carex pauciflora Lightf. / few-flowered sedge
 [*Carex paupercula* Michx. see *C. magellanica*]
Carex peckii Howe / Peck's sedge
Carex pedunculata Muhl. ex Willd. / long-stalk sedge
Carex pellita Willd. / woolly sedge
 Gleason & Cronquist (1991) included *C. lanuginosa* in this taxon
Carex pensylvanica Lam. / Pennsylvania sedge; sun-loving sedge
 [*var. digyna* Boeck. see *C. inops* subsp. *heliophila*]
 [*var. distans* Peck see *C. lucorum*]
Carex plantaginea Lam. / plantain-leaf sedge
 state Endangered list; western limit of distribution
Carex praegracilis W. Boott / clustered field sedge; very slender sedge
Carex prairea Dewey / prairie sedge
Carex prasina Wahlenberg / drooping sedge
 to be expected on forested seeps in the St. Croix Valley; known from the WI side in Burnett Co.
Carex praticola Rydb. / meadow sedge; prairie-dweller sedge
 state Special Concern list
Carex projecta Mack. / necklace sedge; projecting sedge
Carex pseudocyperus L. / cypress-like sedge; cypress sedge
Carex radiata (Wahlenb.) Small / eastern star sedge
Carex retrorsa Schwein. / knotsheath sedge; retrorse sedge
Carex richardsonii R. Br. / Richardson's sedge; prairie hummock sedge
Carex rosea Schkuhr ex Willd. / rosy sedge; starry sedge
Carex rossii Boott / Ross's sedge
Carex rostrata Stokes / beaked sedge; northern yellow lake sedge
 most of our specimens identified as *C. rostrata* in the past are actually *C. utriculata* fide G. Wheeler;
 in Minnesota this species appears restricted to the North Shore and vicinity
 [*Carex rugosperma* Mack. see *C. tonsa*]
Carex sartwellii Dewey / Sartwell's sedge; running marsh sedge
Carex saximontana Mack. / Rocky Mountain sedge
Carex scabrata Schweinitz / eastern rough sedge
 to be expected on forested seeps in the St. Croix Valley; known from the WI side in Burnett Co.
 [*Carex scirpiformis* Mack. see *C. scirpoidea*]
Carex scirpoidea Michx. subsp. *scirpoidea* / northern single-spike sedge
 state Special Concern list
Carex scoparia Schkuhr ex Willd. var. *scoparia* / broom sedge; pointed broom sedge;
 lance-fruit sedge
Carex siccata Dewey / dry-spike or hay sedge

Carex sparganioides Muhl. ex Willd. / bur-reed sedge; thin-leaved sedge
 [var. *cephaloidea* (Dewey) J. Carey see *C. cephaloidea*]
Carex sprengelii Dewey ex Spreng. / Sprengel's sedge; long-beak sedge
Carex squarrosa L. / squarrose sedge; spreading-bract sedge
 [*Carex stenophylla* Wahlenb. / needle-leaf sedge – misapplied to our flora, see *C. duriuscula*]
Carex sterilis Willd. / dioecious sedge; sterile sedge
 state Threatened list
Carex stipata Muhl. ex Willd. var. *stipata* / awl-fruit sedge; common fox sedge
Carex stricta Lam. / upright sedge; tussock sedge
Carex suberecta (Olney) Britton / prairie straw sedge
 reported for Minnesota by FNA but no specimens at MIN; known from IA, WI
Carex supina Willd. ex Wahl. subsp. *spaniocarpa* (Steud.) Hultén / weak arctic sedge
 state Special Concern list, southern limit of distribution; known only from
 Cook Co. (last collected 1936)
Carex sychnocephala J. Carey / many-head sedge
Carex tenera Dewey / quill sedge; marsh straw sedge
 [var. *echinodes* (Fernald) Wiegand see *C. echinodes*]
 var. *tenera*
Carex tenuiflora Wahlenb. / sparse-flowered sedge; small-headed bog sedge
Carex tetanica Schkuhr / rigid sedge; stiff sedge
Carex tonsa (Fernald) E.P. Bicknell / shaved sedge; parachute sedge
 var. *rugosperma* (Mack.) Crins
 var. *tonsa* – range extension from WI; known only from Lake Co.
Carex torreyi Tuck. / Torrey's sedge
 [*Carex torta* Boott / twisted sedge – erroneously reported for Minnesota by USDA-NRCS;
 known from IA and IL eastward]
Carex tribuloides Wahlenb. var. *tribuloides* / blunt broom sedge
Carex trichocarpa Willd. / hairy-fruit sedge
Carex trisperma Dewey / three-seeded sedge; three-seed bog sedge
Carex tuckermanii Dewey / Tuckerman's sedge
Carex typhina Michx. / cattail sedge
 state Special Concern list
Carex umbellata Schkuhr ex Willd. / parasol sedge; umbel sedge
 Gleason & Cronquist (1991) included *C. tonsa* in this taxon
Carex utriculata Boott / Northwest Territories sedge; beaked sedge
Carex vaginata Tausch / sheathed sedge
Carex vesicaria L. / blister sedge; inflated sedge
Carex viridula Michx. subsp. *viridula* / green yellow sedge; green sedge
Carex vulpinoidea Michx. / fox sedge; yellowfruit sedge
 [var. *ambigua* Barratt ex Boott see *C. annectens*]
Carex woodii Dewey / pretty sedge; Wood's sedge
 state Special Concern list
Carex xerantica L.H. Bailey / white-scale sedge; dry sedge
 state Special Concern list
Cladium mariscoides (Muhl.) Torr. / smooth sawgrass; twig-rush
 state Special Concern list
Cyperus acuminatus Torr. & Hook. / taper-tip flatsedge; short-point umbrella-sedge
 state Threatened list
 [*Cyperus aristatus* Rottb. see *C. squarrosus*]
Cyperus bipartitus Torr. / slender flatsedge; brook nutsedge
Cyperus diandrus Torr. / umbrella flatsedge; sedge galingale
 [*Cyperus engelmannii* Steud. see *C. odoratus*]
Cyperus erythrorhizos Muhl. / redroot flatsedge; redrooted cyperus
Cyperus esculentus L. var. *leptostachyus* Boeck. / yellow nutsedge; yellow nutgrass; cocoa cyperus
 native to tropical & subtropical regions but persisting, 1st collected 1887, Winona Co.
 [*Cyperus filiculmis* Vahl sensu lato see *C. lupulinus*]

Cyperus filiculmis Vahl / fern flat cyperus; fern flatsedge
 native to eastern coastal states; known only from Goodhue Co. (one railroad population)

Cyperus fuscus L. / brown flatsedge
 native to temperate Eurasia; known only from Itasca Co.

Cyperus houghtonii Torr. / Houghton's flatsedge; Houghton's cyperus

Cyperus lupulinus (Spreng.) Marcks / Great Plains flatsedge; slender nutsedge
 subsp. *lupulinus*
 subsp. *macilentus* (Fernald) Marcks

Cyperus x mesochorus Geise (*C. lupulinus x schweinitzii*) / Schweinitz's flatsedge; Midland sandsedge

Cyperus odoratus L. / fragrant nutsedge; fragrant flatsedge; fragrant cyperus

[*Cyperus rivularis* Kunth see *C. bipartitus*]

Cyperus rotundus L. / nutgrass; purple nutsedge
 native to subtropical regions; known only from Stearns Co. (historical collection from 1896)

Cyperus schweinitzii Torr. / Schweinitz's flatsedge; Schweinitz's nutsedge

Cyperus squarrosus L. / bearded flatsedge; awned umbrellasedge

Cyperus strigosus L. / straw-colored flatsedge; straw-colored umbrellasedge

Dulichium arundinaceum L. var. *arundinaceum* / threeway sedge

Eleocharis acicularis (L.) Roem. & Schult. / needle spikerush; least spikerush

[*Eleocharis calva* Torr. see *E. erythropoda*]

Eleocharis coloradoensis (Britton) Gilly / dwarf spikerush
 state Special Concern list (last collected 1939)

Eleocharis compressa Sull. / flatstem spikerush; flattened spikerush
 var. *acutisquamata* (Buckley) S.G. Smith
 var. *compressa*

Eleocharis elliptica Kunth / elliptic spikerush

Eleocharis engelmannii Steud. / Engelmann's spikerush

Eleocharis erythropoda Steud. / bald spikerush

Eleocharis flavescens (Poir.) Urban var. *olivacea* (Torr.) Gleason / bright green; spikerush;
 olivaceous spikerush
 state Threatened list; northwest limit of distribution

Eleocharis intermedia Schult. / matted spikerush; intermediate spikerush

Eleocharis macrostachya Britton / large-spike spikerush; pale spikerush

Eleocharis mamillata (H. Lindb.) H. Lindb. In I. Dörfler subsp. *mamillata* / pale spikerush;
 soft-stem spikerush
 reported for Minnesota by FNA but no specimens at MIN; known from Canada and WI;
 often mistaken for *E. macrostachya* or *E. palustris*

Eleocharis nitida Fernald / quill spikerush; neat spikerush
 state Threatened list

Eleocharis obtusa (Willd.) Schult. / blunt spikerush

[*Eleocharis olivacea* Torr. see *E. flavescens* var. *olivacea*]

Eleocharis ovata (Roth) Roem. & Schult. / ovate spikerush; ovoid spikerush
 Gleason & Cronquist (1991) included *E. engelmannii* and *E. obtusa* in this taxon

Eleocharis palustris (L.) Roem. & Schult. / common spikerush; red-stalked spikerush; marsh spikerush
 Gleason & Cronquist (1991) included *E. erythropoda*, *E. macrostachya*,
 and *E. mamillata* in this taxon

[*Eleocharis parvula* (Roem. & Schult.) Link ex Bluff, Nees & Shauer var. *anachaeta*
 (Torr.) Svenson see *E. coloradoensis*]

[*Eleocharis pauciflora* (Lightf.) Link see *E. quinqueflora*]

Eleocharis quinqueflora (Hartmann) Schwarz / few-flowered spikerush
 state Special Concern list

Eleocharis robbinsii Oakes / Robbin's spikerush
 range extension from WI

Eleocharis rostellata (Torr.) Torr. / beaked spikerush
 state Threatened list

[*Eleocharis smallii* Britton see *E. palustris*]

[*Eleocharis tenuis* (Willd.) Schult. / slender spikerush

var. *borealis* (Svenson) Gleason see *E. elliptica*
 var. *verrucosa* (Svenson) Svenson – erroneously reported for Minnesota by USDA-NRCS;
 known from SD, IA, WI; perhaps to be expected along southern border in calcareous type habitats]

Eleocharis wolfii (A. Gray) A. Gray ex Britton / Wolf's spikerush
 state Endangered list

Eriophorum angustifolium Honck. subsp. *angustifolium* / tall cottongrass; thin-scale cottongrass
Eriophorum chamissonis C.A. Mey. / Chamisso's cottongrass; rusty cottongrass
 this is part of the circumboreal *E. chamissonis-scheuchzeri* complex; in the strict sense
 (see J. Cayouette, DAO, 2004) this taxon is restricted to AK and BC and ours would
 then be called *E. russeolum* Fries subsp. *leiocarpum* Novoselova

Eriophorum gracile W.D.J. Koch ex Roth / slender cottongrass
 [*Eriophorum polystachion* L. see *E. angustifolium*]
 [*Eriophorum russeolum* Fr. see *E. chamissonis*]
 [*Eriophorum spissum* Fernald see *E. vaginatum*]

Eriophorum tenellum Nutt. / few-nerved cottongrass; delicate cottongrass
Eriophorum vaginatum L. / tufted cottongrass; tussock cottongrass
 vars. not recognized

Eriophorum virginicum L. / tawny cottongrass
Eriophorum viridicarinatum (Engelm.) Fernald / thin-leaf cottongsedge; green-keeled cottongrass

Fimbristylis autumnalis (L.) Roem. & Schult. / slender fimbry; autumn fimbry
 state Special Concern list

Fimbristylis puberula (Michx.) Vahl var. *interior* (Britton) Kral / hairy fimbry
 state Endangered list; range extension from NE

[*Hemicarpha micrantha* (Vahl) Pax see *Lipocarpha micrantha*]
Lipocarpha aristulata (Coville) G.C. Tucker / awned halfchaff sedge
 reported for Minnesota by FNA but no specimens at MIN; known from NE, west- and southward

Lipocarpha micrantha (Vahl) G.C. Tucker / small-flower halfchaff sedge; hemicarpha

Rhynchospora alba (L.) Vahl / white beaksedge; white beakrush
Rhynchospora capillacea Torr. / needle beaksedge; hair-like beakrush
 state Threatened list

Rhynchospora capitellata (Michx.) Vahl / brownish beaksedge; small-head beakrush
 reported for Minnesota by FNA but no specimens at MIN; known from WI (Burnett and Douglas counties)

Rhynchospora fusca (L.) W.T. Aiton / brown beaksedge; sooty-colored beakrush
 state Special Concern list

Schoenoplectus acutus (Muhl. ex Bigelow) A. Löve & D. Löve var. *acutus* / hard-stem bulrush
 [*Schoenoplectus x carinatus* (Sm.) Palla see *S. x kuekenthalianus*]
 [*Schoenoplectus fluviatilis* (Torr.) M.T. Strong see *Bolboschoenus fluviatilis*]
Schoenoplectus heterochaetus (Chase) Soják / slender bulrush
 [*Schoenoplectus x kuekenthalianus* (Junge) Kent (*S. tabernaemontani x triqueter*) / no USDA
 name – erroneously reported for Minnesota by USDA-NRCS; known from NY and OR]

Schoenoplectus x oblongus (T. Koyama) Soják (*S. acutus x heterochaetus*) / no USDA name;
 hybrid bulrush

[*Schoenoplectus maritimus* (L.) Lye see *Bolboschoenus maritimus*]
Schoenoplectus pungens (Vahl) Palla / common threesquare; three-square bulrush
Schoenoplectus purshianus (Fernald) M.T. Strong var. *purshianus* / weak-stalk bulrush
Schoenoplectus smithii (A. Gray) Soják / Smith's bulrush; blunt-scale bulrush
 var. *setosus* (Fernald) S.G. Sm.
 var. *smithii*

Schoenoplectus subterminalis (Torr.) Soják / swaying bulrush; water bulrush
Schoenoplectus tabernaemontani (C.C. Gmel.) Palla / soft-stem bulrush; psa (Dakota)
Schoenoplectus torreyi (Olney) Palla / Torrey's bulrush
 [*Schoenoplectus validus* (Vahl) A. Löve & D. Löve see *S. tabernaemontani*]
 [*Scirpus acutus* Muhl. ex Bigelow see *Schoenoplectus acutus*]
 [*Scirpus americanus* Pers. – misapplied to our flora, see *Schoenoplectus pungens*]

Scirpus atrocinctus Fernald / black-girdle bulrush
 hybridizes with *S. cyperinus* and *S. pedicellatus*

Scirpus atrovirens Willd. / green bulrush; dark green bulrush
 highly variable taxon often confused with closely related *S. georgianus*, *S. hattorianus*, and
S. pallidus; also hybridizes with *S. pallidus*
 [*Scirpus cespitosus* L. see *Trichophorum cespitosum*]
 [*Scirpus clintonii* A. Gray see *Trichophorum clintonii*]
Scirpus cyperinus (L.) Kunth / woolgrass; cottongrass bulrush
 Gleason & Cronquist (1991) included *S. atrocinctus* and *S. pedicellatus* in this taxon;
 also hybridizes with *S. pedicellatus*
 [*Scirpus fluviatilis* (Torr.) A. Gray see *Bolboschoenus fluviatilis*]
Scirpus georgianus R.M. Harper / Georgia bulrush
 known only from Chisago Co. (one road-ditch population)
Scirpus hattorianus Makino / mosquito bulrush
 [*Scirpus heterochaetus* Chase see *Schoenoplectus heterochaetus*]
 [*Scirpus hudsonianus* (Michx.) Fernald see *Trichophorum alpinum*]
 [*Scirpus maritimus* L. var. *pallidus* (A. Nels.) Kükenthal see *Bolboschoenus maritimus* subsp. *pallidus*]
Scirpus microcarpus J. Presl & C. Presl / paniced bulrush; small-fruited bulrush
Scirpus pallidus (Britton) Fernald / cloked bulrush
 [*Scirpus pallidus* A. Nels. see *Bolboschoenus maritimus* subsp. *pallidus*]
Scirpus pedicellatus Fernald / stalked bulrush
Scirpus pendulus Muhl. / rufous bulrush
 [*Scirpus pungens* Vahl see *Schoenoplectus pungens*]
 [*Scirpus purshianus* Fernald see *Schoenoplectus purshianus*]
 [*Scirpus smithii* A. Gray see *Schoenoplectus smithii*]
 [*Scirpus subterminalis* Torr. see *Schoenoplectus subterminalis*]
 [*Scirpus tabernaemontani* C.C. Gmel. see *Schoenoplectus tabernaemontani*]
 [*Scirpus torreyi* Olney see *Schoenoplectus torreyi*]
 [*Scirpus validus* Vahl see *Schoenoplectus tabernaemontani*]
Scleria triglomerata Michx. / whip nutrush; tall nutrush
 state Endangered list; northwest limit of distribution
Scleria verticillata Muhl. ex Willd. / low nutrush; whorled nutrush
 state Threatened list; northwest limit of distribution
Trichophorum alpinum (L.) Pers. / alpine bulrush; Hudson Bay bulrush
Trichophorum cespitosum (L.) Schur / tufted bulrush
Trichophorum clintonii (A. Gray) S.G. Sm. / Clinton's bulrush
 state Special Concern list

D

Diervillaceae [Caprifoliaceae in Mabberley 3rd ed.]
Diervilla lonicera Mill. / northern bush honeysuckle

Dioscoreaceae [fide FNA, 2002, vol. 26]

[*Dioscorea quaternata* J.F. Gmel. see *D. villosa*]
Dioscorea villosa L. / wild yam; colic root

Dipsacaceae [Caprifoliaceae in Mabberley 3rd ed.]

Cephalaria gigantea (Ledeb.) Bobrov / Tatarian cephalaria
 native to Eurasia; known only from Hennepin Co. (last collected 1941)
Dipsacus fullonum L. / fuller's teasel
 native to Eurasia; known only from Winona Co.
Dipsacus laciniatus L. / cutleaf teasel
 native to Europe
Knautia arvensis (L.) Coult. / field scabiosa; bluebuttons
 native to Europe

Droseraceae

Drosera anglica Huds. / English sundew

state Special Concern list

Drosera intermedia Hayne / spoon-leaf sundew; spatulate-leaved sundew

Drosera linearis Goldie / slender-leaf sundew; linear-leaved sundew

state Special Concern list

Drosera x obovata Mert. & Koch (*D. anglica x rotundifolia*) / no USDA name; obovate-leaved sundew
disjunct from Pacific Northwest; known only from Beltrami Co. peatland

Drosera rotundifolia L. / roundleaf sundew

E

Elaeagnaceae

Elaeagnus angustifolia L. / Russian-olive
native to Eurasia

Elaeagnus commutata Bernh. ex Rydb. / silverberry

Elaeagnus umbellata Thunb. / autumn olive

native to eastern Asia; reported for Minnesota (Brown Co.) by U.S. Forest Service
but no specimens at MIN; known from IA and WI

Shepherdia argentea (Pursh) Nutt. / silver buffaloberry

Shepherdia canadensis (L.) Nutt. / russet buffaloberry; Canadian buffaloberry; soapberry

Elatinaceae

Elatine minima (Nutt.) Fisch. & C.A. Mey. / small waterwort

[*Elatine rubella* Rydb. see *E. triandra*]

Elatine triandra Schkuhr / southwestern waterwort; three-stamen waterwort

Empetraceae see Ericaceae

Ericaceae [fide FNA 2009, vol. 8]

[*Andromeda glaucophylla* Link see *A. polifolia*]

Andromeda polifolia L. var. *latifolia* Aiton / bog-rosemary

Arctostaphylos uva-ursi (L.) Sprengel / kinnikinnick (Chippewa); bearberry
subsp. not recognized

leaves contain toxic compounds

Chamaedaphne calyculata (L.) Moench / leatherleaf

Chimaphila umbellata (L.) W.P.C. Barton / pipsissewa; prince's-pine

leaves contain toxic compounds

[var. *cisatlantica* S.F. Blake see subsp. *umbellata*]

subsp. *umbellata*

Empetrum atropurpureum Fernald & Wiegand / purple crowberry

state Endangered list, disjunct from eastern Canada; known only from Cook Co.

[*Empetrum eamesii* Fernald & Wiegand subsp. *atropurpureum* (Fernald & Wiegand) D. Löve
see *E. atropurpureum*]

Empetrum nigrum L. / black crowberry

state Endangered list; known only from Cook Co. (last collected 1929)

[var. *atropurpureum* (Fernald & Wiegand) B. Boivin see *E. atropurpureum*]

var./subsp. not recognized

[*Empetrum rubrum* Vahl ex Willd. var. *atropurpureum* (Fernald & Wiegand) R.D. Good see *E. atropurpureum*]

Epigaea repens L. / trailing arbutus

leaves contain toxic compounds

Gaultheria hispidula (L.) Muhlenberg ex Bigelow / creeping-snowberry

Gaultheria procumbens L. / eastern teaberry; wintergreen; checkerberry

leaves contain toxic compounds

Gaylussacia baccata (Wangenh.) K. Koch / black huckleberry

Kalmia polifolia Wangenh. / bog-laurel

[*Ledum groenlandicum* Oeder see *Rhododendron groenlandicum*]

Moneses uniflora (L.) A. Gray / single delight; one-flowered pyrola

Monotropa hypopitys L. / pinesap; many-flowered Indian pipe

(note change in spelling)

Monotropa uniflora L. / Indian pipe

Orthilia secunda (L.) House / sidebells wintergreen; one-sided pyrola

[*Oxycoccus macrocarpus* (Aiton) Pers. see *Vaccinium macrocarpon*]

[*Oxycoccus quadripetalous* Gilibert see *Vaccinium oxycoccus*]

Pyrola americana Sweet / American wintergreen; round-leaf pyrola
leaves contain toxic compounds

Pyrola asarifolia Michx. subsp. *asarifolia* / liverleaf wintergreen; pink wintergreen; pink shinleaf

Pyrola chlorantha Sw. / green-flowered wintergreen; green pyrola

Pyrola elliptica Nutt. / wax-flowered shinleaf; elliptic shinleaf

Pyrola minor L. / snowline wintergreen; small shinleaf
state Special Concern list

[*Pyrola rotundifolia* L. var. *americana* (Sweet) Fernald see *P. americana*]

[*Pyrola secunda* L. see *Orthilia secunda*]

Rhododendron groenlandicum (Oeder) Kron & Judd / bog Labrador-tea; rusty Labrador-tea

Vaccinium angustifolium Aiton / lowbush blueberry; sweet lobush blueberry

Vaccinium caespitosum Michx. / dwarf bilberry; dwarf blueberry
(note change in spelling)

Vaccinium macrocarpon Aiton / cranberry; large cranberry

[*Vaccinium membranaceum* Douglas ex Torr. / thinleaf blueberry; mountain huckleberry – erroneously reported for Minnesota by Flora of the Great Plains 1986]

Vaccinium myrtilloides Michx. / velvet-leaf blueberry

Vaccinium oxycoccus L. / small cranberry

Vaccinium pallidum Aiton / Blue Ridge blueberry

reported for Minnesota by USDA-NRCS but no specimens at MIN; known from WI, IL south- and eastward

Vaccinium uliginosum L. / bog blueberry; alpine blueberry; alpine bilberry
state Threatened list; known only from Cook Co.

vars. not recognized

Vaccinium vitis-idaea L. / lingonberry

Eriocaulaceae [fide FNA 2000, vol. 22]

Eriocaulon aquaticum (Hill) Druce / seven-angle pipewort

[*Eriocaulon septangulare* With. see *E. aquaticum*]

Euphorbiaceae

All members of this family are moderately toxic to grazing animals

Acalypha rhomboidea Raf. / common three-seeded mercury; diamond copperleaf

[*Chamaesyce geyeri* (Engelm. & A. Gray) Small see *Euphorbia geyeri*]

[*Chamaesyce glyptosperma* (Engelm.) Small see *Euphorbia glyptosperma*]

[*Chamaesyce humistrata* (Engelm. ex A. Gray) Small see *Euphorbia humistrata*]

[*Chamaesyce maculata* (L.) Small see *Euphorbia maculata*]

[*Chamaesyce missurica* (Raf.) Shinnery see *Euphorbia missurica*]

[*Chamaesyce nutans* (Lag.) Small see *Euphorbia nutans*]

[*Chamaesyce serpyllifolia* (Pers.) Small see *Euphorbia serpyllifolia*]

Croton glandulosus L. / vente-conmigo; northern croton; tooth-leaf croton

native to subtropical America to as far north as IN and IA; known only from Goodhue Co., doubtfully persisting

[*Euphorbia agraria* M. Bieb. / urban spurge – erroneously reported for Minnesota by USDA-NRCS]

Euphorbia brachycera Engelm. / horned spurge

native to western Great Plains and mountain states; reported for Minnesota by USDA-NRCS but no specimens at MIN

Euphorbia commutata Engelm. ex A. Gray / tinted woodland spurge

reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario, WI, IA

Euphorbia corollata L. var. *corollata* / flowering spurge

may cause severe skin irritation

Euphorbia cyathophora Murray / fire-on-the-mountain; painted leaf
Euphorbia cyparissias L. / cypress spurge
 native to Eurasia; may cause severe skin irritation, poisonous to cattle
 [*Euphorbia davidii* Subils see *E. dentata*]
Euphorbia dentata Michx. / toothed spurge
Euphorbia esula L. / leafy spurge
 native to Eurasia; state DOA controlled-noxious weed, 1st collected 1940; may cause
 severe skin irritation, poisonous to livestock
Euphorbia geyeri Engelm. / Geyer's sandmat; Geyer's spurge; dune spurge
Euphorbia glyptosperma Engelm. / rib-seed sandmat; ridge-seed spurge
Euphorbia helioscopia L. / mad woman's milk; sun spurge
 native to Europe; known only from Winona Co. (historical collection from 1885)
Euphorbia hexagona Nutt. ex Spreng. / six-angle spurge
Euphorbia humistrata Engelm. / spreading sandmat
 native to southern Great Plains; reported for Minnesota by USDA-NRCS but no specimens at MIN
Euphorbia maculata L. / spotted sandmat; prostrate hairy spurge
 may cause severe skin irritation
Euphorbia marginata Pursh / snow-on-the-mountain
 may cause severe skin irritation
Euphorbia missurica Raf. var. *intermedia* (Engelm.) L.C. Wheeler / prairie sandmat; Missouri spurge
 state Special Concern list; known only from Otter Tail Co. (last collected 1936)
Euphorbia nutans Lag. / eyebane; nodding spurge
 [*Euphorbia podperae* Croizat see *E. esula*]
 [*Euphorbia x pseudovirgata* (Shur) Soó see *E. esula*]
Euphorbia serpyllifolia Pers. / thyme-leaf spurge
Euphorbia spathulata Lam. / warty spurge; prairie spurge

F

Fabaceae

Amorpha canescens Pursh / leadplant
Amorpha fruticosa L. / desert false indigo; false indigo
Amorpha nana Nutt. / dwarf false indigo; fragrant indigo; fragrant indigo-bush
Amphicarpaea bracteata (L.) Fernald / American hog-peanut
 USDA-NRCS recognizes two varieties for Minnesota: var. *bracteata* and var. *comosa* (L.) Fernald
Apios americana Medik. / groundnut
Astragalus adsurgens Pall. var. *robustior* Hook. / prairie milk-vetch
Astragalus agrestis Dougl. ex G. Don / purple milk-vetch; field milk-vetch
Astragalus alpinus L. var. *alpinus* / alpine milk-vetch
 state Endangered list; disjunct from Canada and western mountains of US;
 known only from Lake and St. Louis counties
Astragalus canadensis L. / Canadian milk-vetch
Astragalus cicer L. / chickpea milk-vetch
 native to Europe; known only from St. Louis Co.
Astragalus crassicaarpus Nutt. var. *crassicaarpus* / ground-plum milk-vetch; prairie-plum
Astragalus flexuosus (Hook.) Don var. *flexuosus* / flexible milk-vetch; slender milk-vetch
 state Special Concern list
 [*Astragalus laxmannii* Jacq. see *A. adsurgens*]
Astragalus lotiflorus Hook. / lotus milk-vetch
Astragalus missouriensis Nutt. var. *missouriensis* / Missouri milk-vetch
 state Special Concern list
Astragalus neglectus (Torr. & A. Gray) E. Sheld. / Cooper's milk-vetch
Astragalus racemosus Pursh var. *racemosus* / cream milk-vetch; racemose milk-vetch
 known only from Pipestone Co. (historical collection from 1895)
Astragalus tenellus Pursh / loose-flowered milk-vetch
 eastern limit of distribution; known only from Otter Tail Co. (historical collections to 1892)
 [*Baptisia alba* (L.) Vent. see *B. lactea*]

Baptisia australis (L.) R. Br. ex W.T. Aiton / blue wild indigo; blue false indigo
 native to eastern and southeastern US; known only from St. Louis Co. (Duluth area), probably garden
 escapee; roots possibly toxic

Baptisia bracteata Muhl. ex Elliott / long-bract wild indigo; plains wild indigo
 var. *glabrescens* (Larisey) Isley – state Special Concern list
 [var. *leucophaea* (Nutt.) Kartesz & Gandhi see var. *glabrescens*]

Baptisia lactea (Raf.) Thieret var. *lactea* / long-leaf wild indigo; white wild indigo
 state Special Concern list

Baptisia tinctoria (L.) R. Br. ex W.T. Aiton / horseflyweed; rattleweed; yellow wild indigo
 native to eastern US and Canada; known only from Lake City area (historical
 collection from 1882)

Caragana arborescens Lam. / Siberian peashrub
 native to Siberia

[*Cassia fasciculata* Michx. see *Chamaecrista fasciculata*]

Chamaecrista fasciculata (Michx.) Greene / partridge-pea; prairie senna

Clitoria mariana L. / Atlantic pigeonwings
 reported for Minnesota by USDA-NRCS but no specimens at MIN; known from WI, IA, NE

Coronilla varia L. / crown-vetch
 native to Mediterranean region

Crotalaria sagittalis L. / arrowhead rattlebox

Dalea candida Michx. ex Willd. / white prairie-clover
 var. *candida*
 var. *oligophylla* (Torr.) Shinnery – state Special Concern list

Dalea leporina (Aiton) Bullock / foxtail prairie-clover; foxtail dalea

Dalea purpurea Vent. var. *purpurea* / purple prairie-clover

Dalea villosa (Nutt.) Spreng. var. *villosa* / silky prairie-clover

Desmanthus illinoensis (Michx.) MacMill. ex B.L. Rob. & Fernald / Illinois bundleflower; prairie mimosa
 state Special Concern list

Desmodium canadense (L.) DC. / showy tick-trefoil; Canadian tick-trefoil

Desmodium canescens (L.) DC. / hoary tick-trefoil
 reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario, WI, IA, NE

Desmodium cuspidatum (Muhl. ex Willd.) DC. ex Loudon var. *longifolium* (Torr. & A. Gray)
 B.G. Schub. / large-bract tick-trefoil; big tick-trefoil
 state Special Concern list

Desmodium glutinosum (Muhl. ex Willd.) A.W. Wood / pointed-leaf tick-trefoil

Desmodium illinoense A. Gray / Illinois tick-trefoil; prairie tick-trefoil

Desmodium nudiflorum (L.) DC. / naked-flower tick-trefoil; stemless tick-trefoil
 state Special Concern list

Gleditsia triacanthos L. / honeylocust

Glycine max (L.) Merr. / soybean
 native to China and Japan; occasionally reported along farm roadsides but not persisting

Glycyrrhiza lepidota Pursh / American or wild licorice; wi-nawizi (Dakota)

Gymnocladus dioica (L.) K. Koch / Kentucky coffee-tree
 seeds toxic to livestock

[*Lathyrus japonicus* Willd. see *L. maritimus*]

Lathyrus latifolius L. / perennial pea; everlasting pea
 native to southern Europe; toxic to animals

Lathyrus maritimus (L.) Bigelow var. *glaber* (Ser.) Eames / beachpea

Lathyrus ochroleucus Hook. / cream pea; pale vetchling; cream vetchling

Lathyrus palustris L. / marsh pea; marsh vetchling

Lathyrus sylvestris L. / flat pea
 native to Europe; known only from St. Louis Co.

Lathyrus tuberosus L. / tuberous sweetpea; earth chestnut; earth-nut vetchling
 native to Eurasia

Lathyrus venosus Muhl. ex Willd. var. *intonsus* Butters & H. St. John / veiny pea; forest pea

Lespedeza capitata Michx. / round-head lespedeza; round-headed bush-clover

Lespedeza cuneata (Dum. Cours.) G. Don / sericea lespedeza; Chinese lespedeza
 native to eastern Asia; known only from Sherburne Co. (nursery holding area)
 [*Lespedeza frutescens* (L.) Hornem. see *L. intermedia*]
Lespedeza intermedia (S. Watson) Britton / shrubby lespedeza; wand lespedeza
 only known specimen from Minnesota deposited at US
Lespedeza leptostachya Engelm. / prairie lespedeza; prairie bush-clover
 federal Threatened list / state Threatened list; northern limit of distribution
Lespedeza violacea (L.) Pers. / violet lespedeza
 reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario, WI, IA, NE
Lespedeza virginica (L.) Britton / slender lespedeza; slender bush-clover
 native to eastern US; known only from Winona Co. (one revegetated-field population)
Lotus corniculatus L. / bird's-foot trefoil
 native to Europe
Lotus purshianus Clem. & E.G. Clem. / American bird's-foot trefoil; prairie trefoil; spanish-clover
 [*Lotus unifoliolatus* (Hook.) Benth. see *L. purshianus*]
Lupinus perennis L. / sundial lupine; wild lupine
 toxic to humans and animals
Lupinus polyphyllus Lindl. / bigleaf lupine; large-leaved lupine
 native to western US; toxic to humans and animals
Medicago lupulina L. / black medick
 native to Eurasia
Medicago sativa L. / alfalfa
 native to Eurasia
 subsp. *falcata* (L.) Arcang.
 subsp. *sativa*
Melilotus alba Medik. / white sweet-clover
 native to Eurasia; moderately toxic to livestock; considered by some to be a color
 variant of *M. officinalis*
Melilotus indicus (L.) All. / annual yellow sweet-clover
 native to Mediterranean region; reported for Minnesota by USDA-NRCS but no specimens at MIN
Melilotus officinalis (L.) Lam. / yellow sweet-clover
 native to Eurasia; moderately toxic to livestock
Onobrychis viciifolia Scop. / sainfoin
 native to southern Europe; known only from Otter Tail Co. (historical collection of 1911; population
 soon destroyed after discovery)
 [*Oxytropis borealis* DC. see *O. viscida*]
Oxytropis campestris (L.) DC. / field locoweed; flat locoweed
 known only from Crow Wing Co. (historical collection from 1892); poisonous to livestock
Oxytropis lambertii Pursh var. *lambertii* / purple locoweed; stemless locoweed; Lambert's locoweed
 poisonous to livestock
Oxytropis splendens Dougl. ex Hook. / showy locoweed
 only known specimen from Minnesota ("Chippewa River") deposited at GH; poisonous to livestock
Oxytropis viscida Nutt. / viscid locoweed; sticky locoweed
 state Endangered list; disjunct from western North America and arctic regions,
 known only from Cook Co.; poisonous to livestock
Pedimelum argophyllum (Pursh) J.W. Grimes / silver-leaf Indian breadroot; silver-leaf scurf-pea
Pedimelum esculentum (Pursh) Rydb. / large Indian breadroot; prairie-turnip
 [*Petalostemon candidus* (Michx. ex Willd.) Michx. see *Dalea candida* var. *candida*]
 [*Petalostemon occidentalis* (A. Heller) Fernald see *Dalea candida* var. *oligophylla*]
 [*Petalostemon purpureus* (Vent.) Rydb. see *Dalea purpurea*]
 [*Petalostemon villosus* Nutt. see *Dalea villosa*]
 [*Psoralea argophylla* Pursh see *Pedimelum argophyllum*]
 [*Psoralea esculenta* Pursh see *Pedimelum esculentum*]
 [*Psoralea tenuiflora* Pursh see *Psoralidium tenuiflorum*]
Psoralidium tenuiflorum (Pursh) Rydb. / slim-flower scurf-pea; slender-leaf scurf-pea
 state Endangered list

Robinia hispida L. var. *hispida* / bristly locust; prickly locust; rose-acacia
 native to southeastern US; flowers possibly toxic

Robinia pseudoacacia L. / black locust
 native to southeastern US; potentially invasive; toxic, especially to children and horses

Robinia viscosa Vent. / clammy locust
 native to mountains of eastern US; known only from Ramsey Co.

[*Securigera varia* (L.) Lassen see *Coronilla varia*]

Strophostyles helvola (L.) Elliott / amberique bean; wild bean

Strophostyles leiosperma (Torr. & A. Gray) Piper / slick-seed fuzzybean; trailing pea

Tephrosia virginiana (L.) Pers. / Virginia tephrosia; goat's-rue
 state Special Concern list; may cause skin irritation, seeds toxic

Trifolium arvense L. / rabbit's-foot clover
 native to Eurasia and northern Africa

Trifolium aureum Pollich / golden clover; palmate hopclover
 native to Eurasia

Trifolium campestre Schreb. / field clover; field hopclover
 native to Eurasia and northern Africa

Trifolium dubium Sibth. / suckling clover
 native to Europe; reported for Minnesota by USDA-NRCS but no specimens at MIN

Trifolium hybridum L. / alsike clover
 native to Eurasia

Trifolium incarnatum L. / crimson clover
 native to Europe

Trifolium pratense L. / red clover
 native to Europe

Trifolium repens L. / white clover
 native to Eurasia

Vicia americana Muhl. ex Willd. / American vetch
 var. *americana*
 var. *minor* Hook.

Vicia angustifolia L. / garden vetch; narrow-leaf vetch
 native to Europe; included by some in *V. sativa*

Vicia caroliniana Walt. / Carolina vetch
 reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario, WI, IL

Vicia cracca L. / bird vetch; tufted vetch
 native to Eurasia

Vicia tetrasperma (L.) Schreb. / lentil vetch
 native to Eurasia; known only from St. Louis Co. (Duluth area)

Vicia sativa L. / garden vetch; spring vetch
 native to southern Europe
 [subsp. *nigra* (L.) Ehrh. see *V. angustifolia*]

Vicia villosa Roth / winter vetch; hairy vetch
 native to Europe

Fagaceae [fide FNA 1997, vol. 3]

See Smith 2008 for a detailed discussion of distributions, hybrids, and problems caused by misidentifications.

While acorns are edible, large amounts of raw acorns can cause kidney damage in humans and dogs.

[*Fagus grandiflora* Ehrh. / American beech – erroneously reported for Minnesota by USDA-NRCS]

Quercus alba L. / white oak

Quercus x bebbiana C.K. Schneid. (*Q. alba x macrocarpa*) / no USDA name; Bebb's hybrid oak

Quercus bicolor Willd. / swamp white oak

[*Quercus borealis* Michx. see *Q. rubra*]

Quercus ellipsoidal E.J. Hill / northern pin oak; Hill's oak

hybrids with *Q. rubra* especially common in Minnesota

Quercus x hawkinsiae Sudw. (*Q. rubra x velutina*) / no USDA name; Hawkins' hybrid oak

known only from Houston Co.

Quercus macrocarpa Michx. / bur oak; u'tahu can (Lakota)
Quercus muhlenbergii Engelm. / chinkapin oak; chestnut oak
 known only from Houston Co. (historical collection from 1899)
Quercus x palaeolithicola Trel. (*Q. ellipsoidalis x velutina*) / no USDA name; fossil oak
 known only from Houston (last collected 1915) and Wabash counties
 [*Quercus prinoides* Willd. / dwarf oak – erroneously reported for Minnesota by USDA-NRCS;
 known from southeastern IA south- and eastward]
Quercus rubra L. / northern red oak; uta (Dakota)
 buds, young shoots, and acorns toxic, especially to cattle
Quercus x schuettei Trel. (*Q. bicolor x macrocarpa*) / no USDA name
 known in Minnesota only from urban street trees (historical collections to 1918);
 this hybrid not named in FNA
Quercus velutina Lam. / black oak

Fumariaceae [fide FNA 1997, vol. 3] [Papaveraceae in Mabberley 3rd ed.]

Adlumia fungosa (Aiton) Greene ex Britton, Sterns & Poggen. / Allegheny-vine
Corydalis aurea Willd. var. *aurea* / scrambled eggs; golden corydalis
 plant potentially toxic
Corydalis micrantha (Engelm. ex A. Gray) A. Gray var. *micrantha* / small-flower fumewort;
 slender fumewort
Corydalis sempervirens (L.) Pers. / rock harlequin; harlequin flower; pale corydalis;
 pink-and-yellow corydalis
Dicentra canadensis (Goldie) Walp. / squirrel-corn
 state Special Concern list
Dicentra cucullaria (L.) Bernh. / dutchman's-breeches
 may cause skin irritation, leaves and roots potentially poisonous
Fumaria officinalis L. / drug fumitory; earthsmoke
 native to Europe and northern Africa; known only from Winona Co. (historical collection of 1901)

G

Gentianaceae

Bartonia virginica (L.) Britton, Sterns & Poggenb. / yellow screwstem; yellow bartonia
 state Endangered list; western limit of distribution
Centaureum pulchellum (Sw.) Druce / branched centaury; beautiful centaury
 native to Europe; doubtfully persisting
Gentiana affinis Griseb. / pleated gentian; northern gentian
 state Special Concern list
 [*Gentiana alba* Muhl. ex Nutt. see *G. flavida*]
Gentiana andrewsii Griseb. / closed bottle gentian
 var. *andrewsii*
 var. *dakotica* A. Nels.
Gentiana x billingtonii Farw. (*G. andrewsii x puberulenta*) / no USDA name; Billington's gentian
 known only from Dakota Co. (one railroad population)
Gentiana flavida A. Gray / plain gentian; yellowish gentian
Gentiana x grandilacustris J. Pringle (*G. andrewsii x rubricaulis*) / no USDA name; big lake gentian
 reported as endemic to MN and WI by USDA-NRCS; in MN known only from Clearwater
 County (Itasca SP, last collected 1935)
Gentiana linearis Froel. / narrow-leaf gentian
 disjunct from Canada and eastern US
Gentiana x pallidocyanea J. Pringle (*G. alba x andrewsii*) / no USDA name
 reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario, WI, IA
Gentiana puberulenta J.S. Pringle / downy gentian; prairie gentian
Gentiana rubricaulis Schwein. / closed gentian; Great Lakes gentian
Gentianella amarella (L.) Boerner / autumn dwarf gentian; felwort
 state Special Concern list
Gentianella quinquefolia (L.) Small var. *occidentalis* (A. Gray) J.M. Gillett / agueweed; stiff gentian

Gentianopsis crinita (Froel.) Ma / greater fringed gentian
[*Gentianopsis macounii* (T. Holm) Iltis / Macoun's fringed gentian – previous report from Minnesota was based on misidentified specimen]
Gentianopsis procera (T. Holm) Ma / lesser fringed gentian
[*Gentianopsis virgata* (Raf.) Holub see *G. procera*]
Halenia deflexa (Sm.) Griseb. var. *deflexa* / American spurred gentian

Geraniaceae

Erodium cicutarium (L.) L'Hér. ex Aiton / redstem stork's-bill
native to Mediterranean region
Geranium bicknellii Britton / Bicknell's crane's-bill; northern crane's-bill
Geranium carolinianum L. / Carolina geranium; Carolina crane's-bill
Geranium maculatum L. / spotted geranium; wild geranium
Geranium pratense L. / meadow geranium
native to Europe; known only from St. Louis Co.
Geranium pusillum L. / small geranium
native to Europe; reported for Minnesota by USDA-NRCS but no specimens at MIN
Geranium robertianum L. / Robert's geranium; herb-robert
native to Eurasia
Geranium sanguineum L. / bloody geranium; bloody crane's-bill
native to Europe; only known collection at DUL
Geranium sibiricum L. / Siberian geranium; Siberian crane's-bill
native to Eurasia

Grossulariaceae [fide FNA 2009, vol. 8]

Ribes americanum Mill. / American currant; wild black currant
Ribes aureum Pursh var. *villosum* DC. / golden currant; clove currant
considered native in the Great Plains (west of the Mississippi River) but widely spreading elsewhere
Ribes cynosbati L. / eastern prickly gooseberry; dogberry
Ribes glandulosum Grauer / skunk currant
Ribes hirtellum Michx. / hairy-stem gooseberry; swamp gooseberry
Ribes hudsonianum Richardson / northern black currant
vars. not recognized, although in some regions distinctions occur
Ribes lacustre (Pers.) Poir. / prickly currant; swamp black currant; bristly black currant
Ribes missouriense Nutt. / Missouri gooseberry
Ribes nigrum L. / European black currant
native to Eurasia; known only from Ramsey Co. (last collected 1924)
[*Ribes odoratum* H.L. Wendl. see *Ribes aureum* var. *villosum*]
Ribes oxycanthoides L. var. *oxycanthoides* / Canadian gooseberry; northern gooseberry
Ribes rubrum L. cultivated currant; red currant
native to Eurasia
[*Ribes sativum* (Reichenbach) Syme see *R. rubrum*]
Ribes triste Pallas / red currant
[*Ribes uva-crispa* L. / European gooseberry – previous reports from Minnesota were based on misidentified or cultivated specimens]

H

Haloragaceae

Myriophyllum alterniflorum DC. / alternate-flower watermilfoil
[*Myriophyllum exalbescens* Fernald see *M. sibiricum*]
Myriophyllum farwellii Morong / Farwell's watermilfoil
Myriophyllum heterophyllum Michx. / two-leaf watermilfoil; broadleaf watermilfoil
known only from St. Louis Co.
Myriophyllum humile (Raf.) Morong / low watermilfoil
reported for Minnesota by USDA-NRCS but no specimens at MIN; known from WI, IL
Myriophyllum sibiricum Kom. / short-spike watermilfoil; northern watermilfoil; common watermilfoil

Myriophyllum spicatum L. / Eurasian watermilfoil
native to Eurasia; MN-DNR Prohibited Invasive Species list; recent research suggests that this
is problematical only when forming dense surface mats that shade out native vegetation below
Myriophyllum tenellum Bigelow / slender watermilfoil
Myriophyllum verticillatum L. / whorl-leaf watermilfoil; whorled watermilfoil
Proserpinaca palustris L. / marsh mermaid-weed
reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario, WI, IA

Hamamelidaceae [fide FNA 1997, vol. 3]

Hamamelis virginiana L. / American witch-hazel
state Special Concern list

Hemerocallidaceae [fide FNA 2002, vol. 26]

Hemerocallis fulva (L.) L. / orange daylily; fulvous daylily; lemon-lily
native to Asia

Hemerocallis lilioasphodelus L. / yellow daylily
native to Asia; reported by Ownbey & Morley 1991 as occasionally escaping from
cultivation but no specimens at MIN

Hippocastanaceae see Sapindaceae

Hippuridaceae see Plantaginaceae

Hyacinthaceae [fide FNA 2002, vol. 26] [Asparagaceae in Mabberley 3rd edition]

Ornithogalum umbellatum L. / sleepydick; star-of-bethlehem
native to Eurasia and north Africa; rarely escaping cultivation

Scilla sibirica Haw. / Sibirican squill
native to Russia; rarely escaping cultivation

Hydrangeaceae

[*Philadelphus coronarius* L. / sweet mock-orange – previous report for Minnesota based
on misidentified specimen]

Philadelphus pubescens Loisel. / hoary mock-orange; hairy mock-orange
native to Europe; known only from Dakota Co. (old homestead population)

Hydrocharitaceae [fide FNA 2000, vol. 22]

Egeria densa Planch. / Brazilian waterweed
native to S. America; unverified report from Hennepin Co.; doubtfully persisting
(introduced with aquarium trade)

Elodea bifoliata H. St. John / two-leaf waterweed

Elodea canadensis Michx. / Canadian waterweed; Canadian elodea; frog's bit

[*Elodea densa* (Planch.) Caspary see *Egeria densa*]

Elodea nuttallii (Planch.) H. St. John / western waterweed; Nuttall's elodea

Hydrilla verticillata (L.f.) Royle / waterhyme; hydrilla
federal noxious weed and on MN-DNR Prohibited Invasive Species list, but not yet reported
from MN (known from IA and coastal states)

Hydrocharis morsus-ranae L. / common frogbit; European frogbit
on MN-DNR Prohibited Invasive Species list, but not yet reported from MN (known from
eastern Ontario, Quebec, and NY)

Najas flexilis (Willdenow) Rostk. & W.L.E. Schmidt / nodding water-nymph; northern bushy-pondweed;
flexuous naiad

Najas gracillima (A. Br. ex Englem.) Magnus / slender water-nymph; slender naiad
state Special Concern list

Najas guadalupensis (Spreng.) Magnus / Guadalupe water-nymph; southern naiad
subsp. *guadalupensis*
subsp. *olivacea* (Rosend. & Butters) R.R. Haynes & Hellq.

- Najas marina* L. / spiny naiad; sea naiad
state Special Concern list
- Najas minor* All. / brittle water-nymph; brittle naiad
on MN-DNR Prohibited Invasive Species list; disjunct from IL, IN, MI, probably introduced; known only from Dakota Co.
- Vallisneria americana* Michx. / American eelgrass; tapegrass
vars. not recognized

Hydrophyllaceae see Boraginaceae

Hypericaceae

- [*Hypericum ascyron* L. see *H. pyramidatum*]
- Hypericum boreale* (Britton) E.P. Bicknell / northern St John's-wort; dwarf St. John's-wort
- [*Hypericum canadense* L. / lesser Canadian St John's-wort – previous report from Minnesota was based on a misidentified specimen]
- Hypericum ellipticum* Hook. / pale St. John's-wort
- Hypericum gentianoides* (L.) Britton, Sterns & Poggenb. / orangegrass
reported for Minnesota by Gleason & Cronquist 1991 but no specimens at MIN;
known from Ontario, WI, IA
- Hypericum kalmianum* L. / Kalm's St. John's-wort
disjunct from central and eastern Great Lakes, known only from Lake Co. (wilderness entry point)
- Hypericum maculatum* Crantz subsp. *obtusiusculum* (Touret) Hayek / spotted St. John's-wort;
imperforate St. John's-wort
native to Europe; known only from St. Louis Co. (Duluth area)
- Hypericum majus* (A. Gray) Britton / large St. John's-wort
- [*Hypericum mutilum* L. subsp. *boreale* (Britton) J.M. Gillett see *H. boreale*]
- Hypericum perforatum* L. / common St. John's-wort
native to Europe
- Hypericum prolificum* L. / shrubby St. John's-wort
reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario, WI, IA
- Hypericum punctatum* Lam. / spotted St. John's-wort
- Hypericum pyramidatum* Aiton / great St. John's-wort
- Triadenum fraseri* (Spach) Gleason / Fraser's marsh St. John's-wort

Hypoxidaceae [fide FNA 2002, vol. 22]

- Hypoxis hirsuta* (L.) Coville / common goldstar; eastern yellow star-grass

I

Iridaceae [fide FNA 2002, vol. 26]

- Belamcanda chinensis* (L.) DC. / blackberry-lily
native to eastern Asia; reported by Ownbey & Morley 1991 as escaping cultivation in
Waseca Co. but no specimens at MIN
- [*Iris cengialti* Ambrosi ex A. Kern. see *I. pallida*]
- Iris germanica* L. / German iris; German bearded iris
native to Europe; known only from Sherburne Co. (Sherburne National Wildlife Refuge)
- [*Iris missouriensis* Nutt. / Rocky Mountain iris – western species erroneously reported
for Minnesota by USDA-NRCS]
- Iris pallida* Lam. / sweet iris
native to Mediterranean region; known only from Douglas Co. (last collected 1940)
- Iris pseudacorus* L. / pale-yellow iris; yellow flag
native to Europe
- Iris versicolor* L. / harlequin blue flag; northern blue flag
roots poisonous
- Iris virginica* L. / Virginia blue iris; southern blue flag
vars. not recognized
- Sisyrinchium angustifolium* Mill. / narrow-leaf blue-eyed-grass

native of eastern US and Canada; known only from St. Louis Co. (Duluth area; last collected 1950), probably introduced initially with ballast

Sisyrinchium campestre E.P. Bicknell / prairie blue-eyed-grass; field blue-eyed-grass

Sisyrinchium montanum Greene / strict blue-eyed-grass; mountain blue-eyed-grass
var. *montanum*

[var. *cerebrum* Fernald – erroneously reported for Minnesota by USDA-NRCS; known only along the eastern seaboard]

Sisyrinchium mucronatum Michx. / needle-tip blue-eyed-grass; pointed-petal blue-eyed-grass

J

Juglandaceae [fide FNA 1997, vol. 3]

Carya cordiformis (Wangenh.) K. Koch / bitternut hickory; pignut hickory

Carya ovata (Mill.) K. Koch var. *ovata* / shagbark hickory; shellbark hickory

Juglans cinerea L. / butternut; white walnut

state Special Concern list

Juglans nigra L. / black walnut; hma (Dakota)

moderately toxic to dogs and horses (particularly bark/wood shavings used in bedding)

Juncaceae [fide FNA 2000, vol. 22]

Juncus acuminatus Michx. / tapertip rush

reported for Minnesota by FNA and MN-DNR but no specimens at MIN; known from IA, WI

Juncus alpinoarticulatus Chaix / northern green rush; alpine rush

[*Juncus alpinus* Vill. see *J. alpinoarticulatus*]

[*Juncus ambiguus* Guss. see *J. bufonius*]

Juncus anthelatus (Wiegand) R.E. Brooks / greater poverty rush

reported for Minnesota by FNA and MN-DNR but no specimens at MIN; known from Ontario, IA, WI

Juncus arcticus Willd. / arctic rush; Baltic rush

[var. *articus* – erroneously reported for Minnesota by USDA-NRCS; not known from North America]

var. *balticus* (Willd.) Trautvetter

[var. *littoralis* (Engelm.) B. Boivin see var. *balticus*]

Juncus articulatus L. / joint-leaf rush; jointed rush

[*Juncus balticus* Willd. see *J. arcticus*]

Juncus brachycarpus Englem. / white-root rush; short-fruited rush

disjunct from IL; known only from Blue Earth Co. (last collected 1948)

[*Juncus brachycephalus* (Engelm.) Buchenau – previous report for Minnesota was based on a misidentified specimen]

Juncus brevicaudatus (Engelm.) Fernald / narrow-panicle rush

Juncus bufonius L. / toad rush; seaside rush

vars. not recognized

Juncus canadensis J. Gay / Canadian rush

Juncus compressus Jacq. / round-fruit rush; compressed rush

Juncus dudleyi Wiegand / Dudley's rush

Juncus effusus L. / common rush; soft rush

vars. not recognized

Juncus filiformis L. / thread rush; thread-like rush

Juncus gerardii Loisel. / salt-meadow rush; blackgrass rush

Juncus x gracilescens J. Hermann (*J. alpinoarticulatus* x *brevicaudatus*) / no USDA name; slender rush; grass-like rush

Juncus greenei Oakes & Tuck. / Greene's rush

Juncus interior Wiegand / inland rush; interior rush

Juncus longistylis Torr. / long-style rush

Juncus marginatus Rostk. / grass-leaf rush; marginated rush

state Special Concern list

Juncus nodosus L. / knotted rush; knotty rush

Juncus pelocarpus E. Mey. / brown-fruit rush

Juncus stygius L. var. *americanus* Buchenau / moor rush; bog rush
state Special Concern list

Juncus subtilis E. Mey. / greater creeping rush; slender rush
disjunct from eastern Canada; known only from Cook Co.

Juncus tenuis Willd. / poverty rush; path rush
[var. *dudleyi* (Wiegand) F.J. Herm. see *J. dudleyi*]

Juncus torreyi Coville / Torrey's rush

Juncus vaseyi Engelm. / Vasey's rush

Luzula acuminata Raf. var. *acuminata* / hairy rush; pointed wood-rush
[*Luzula campestris* (L.) DC. / field woodrush – misapplied to our flora, see *L. multiflora*]

Luzula luzuloides (Lam.) Dandy & Wilmott subsp. *luzuloides* / oak forest rush; Lamarck's wood-rush
native to Europe; known only from St. Louis Co. (Duluth area; last collected 1941)

Luzula multiflora (Ehrhart) Lej. subsp. *multiflora* / common rush; many-flowered wood-rush
native to Eurasia

Luzula parviflora (Ehrh.) Desv. / small-flower wood-rush
state Special Concern list
vars. not recognized

Juncaginaceae [fide FNA 2000, vol. 22]

Triglochin maritima L. / seaside arrowgrass; common arrowgrass

Triglochin palustris L. / marsh arrowgrass; slender arrowgrass

L

Lamiaceae

Agastache foeniculum (Pursh) Kuntze / blue giant-hyssop; fragrant giant-hyssop

Agastache nepetoides (L.) Kuntze / yellow giant-hyssop
known only from Chippewa Co. (last collected 1938)

Agastache scrophulariaefolia (Willd.) Kuntze / purple giant-hyssop

Ajuga genevensis L. / blue bugle; erect bugleweed
native to Eurasia; known only from Lake and St. Louis counties

Blephilia hirsuta (Pursh) Benth. / hairy pagoda plant; wood mint

Blephilia subnuda R. Simmers & Kraul / Cumberland pagoda plant
native to southern US

[*Calamintha arkansana* (Nutt.) Shinnery see *Satureja glabella*]

[*Chaiturus marrubiastrum* (L.) Reichenb. see *Leonurus marrubiastrum*]

[*Clinopodium arkansanum* (Nutt.) House see *Satureja glabella*]

[*Clinopodium vulgare* L. see *Satureja vulgaris*]

Dracocephalum parviflorum Nutt. / American dragonhead

Elsholtzia ciliata (Thunb.) Hyl. / crested late-summer mint
native to Asia; known only from Anoka Co. (one collection, 1959) as escape from birdseed

[*Galeopsis bifida* Boenn. see *G. tetrahit*]

Galeopsis tetrahit L. / brittle-stem hemp-nettle; split-lip hemp-nettle
native to Eurasia
var. *bifida* (Boenn.) Lej. & Courtois
var. *tetrahit*

Glechoma hederacea L. / ground-ivy; creeping charlie
native to Eurasia; plant oil may be irritating

Hedeoma drummondii Benth. / Drummond's false pennyroyal
reported for Minnesota by USDA-NRCS but no specimens at MIN; known from ND, SD, NE

Hedeoma hispida Pursh / rough false or mock pennyroyal; maka chiaka (Dakota)

Hedeoma pulegioides (L.) Pers. / American false pennyroyal
native to eastern and southeastern US; known only from Houston Co.
(historical collection from 1899)

Hyssopus officinalis L. / hyssop
native to Eurasia; known only from Chisago Co. (last collected 1938)

Isanthus brachiatus (L.) Britton, Sterns & Poggenb. / fluxweed; false pennyroyal

[*Lamiaeum galeobdolon* (L.) Ehrend. & Polatschek see *Lamium galeobdolon*]
Lamium album L. / snowflake; white dead-nettle
 native to Eurasia; known only from Ramsey Co.
Lamium amplexicaule L. / henbit dead-nettle; henbit
 native to Eurasia and northern Africa
Lamium galeobdolon (L.) L. / yellow archangel
 native to Europe; known only from St. Louis Co. (Duluth area)
Lamium maculatum L. / spotted henbit; spotted dead-nettle
 native to eastern Asia; known only from St. Louis Co. (cemetery population)
Leonurus cardiaca L. / motherwort
 native to Asia
Leonurus marrubiastrum L. / lion's-tail; horehound motherwort
 native to Europe and northern Asia
Leonurus sibiricus L. / honeyweed; Siberian motherwort
 native to Asia
Lycopus americanus Muhl. ex W.P.C. Barton / American water-horehound; cut-leaved bugleweed
Lycopus asper Greene / rough bugleweed; western water-horehound
Lycopus x sherardii Steele (*L. uniflorus x virginicus*) / no USDA name; Sherard's bugleweed
Lycopus uniflorus Michx. / northern bugleweed; northern water-horehound
Lycopus virginicus L. / Virginia water-horehound; Virginia bugleweed
Marrubium vulgare L. / horehound
 native to Eurasia; known only from Wabasha Co. (historical collections to 1890)
Mentha arvensis L. / wild mint; common mint; ceya'ka (Lakota)
 var. *canadensis* (L.) Kuntze
 [var. *glabrata* (Benth.) Fern. see var. *canadensis*]
 [*Mentha cardiaca* (S.F. Gray) Gerarde ex Baker see *M. x gentilis*]
 [*Mentha crispa* L. see *M. spicata*]
Mentha x gentilis L. (*M. arvensis x spicata*) / ginger mint; red mint; heart mint
 native to Europe
 [*Mentha x gracilis* Sole see *M. x gentilis*]
Mentha x piperita L. (*M. aquatica x spicata*) / peppermint
 cultigen of Europe; reported for Minnesota by USDA-NRCS but no specimens at MIN
Mentha spicata L. / spearmint
 native to Europe
Moluccella laevis L. / shell flower; bells-of-Ireland
 native to Mediterranean region; known only from Isanti Co. (homestead population, doubtfully persisting)
Monarda didyma L. / scarlet beebalm; Oswego-tea
 native to eastern US
Monarda fistulosa L. / wild bergamot; wahpe' was'tem'na (Dakota)
 var. *fistulosa*
 var. *menthaefolia* (Graham) Fernald
Monarda punctata L. var. *villicaulis* (Pennell) E.J. Palmer & Steyerm. / spotted beebalm; horsemint
Nepeta cataria L. / catnip
 native to Eurasia
Perilla frutescens (L.) Britton / beefsteak plant; perilla mint
 native to India; known only from Martin Co.
 [*Physostegia parviflora* Nutt. ex A. Gray – previous report based on misidentified specimen]
Physostegia virginiana (L.) Benth. / obedient plant; false dragonhead
 subsp. *praemorsa* (Shinners) Cantino – reported for Minnesota by USDA-NRCS but no specimens at MIN; known from NE, IA, IL
 subsp. *virginiana*
Prunella vulgaris L. / common selfheal; heal-all
 var. *lanceolata* (W.C.P. Barton) Hultén
 var. *vulgaris* - native to Europe
Pycnanthemum flexuosum (Walt.) Britton, Sterns & Poggenb. / Appalachian mountain mint;
 narrow-leaved mountain mint

native to southeastern US; reported for Minnesota by MN-DNR and NatureServe but no specimens at MIN

[*Pycnanthemum tenuifolium* Schrad. see *P. flexuosum*]

Pycnanthemum virginianum (L.) T. Durand & B.D. Jacks. ex B.L. Rob. & Fernald / Virginia mountain mint; common mountain mint

Salvia azurea Michx. ex Lam. / azure blue sage

reported for Minnesota by USDA-NRCS but no specimens at MIN; known from WI, IL, IA, NE

Salvia nutans L. / nodding sage; nodding salvia

native to southeastern Europe; known only from Clay Co. (last collected 1937)

Salvia reflexa Hornem. / lance-leaf sage; Rocky Mountain sage

[*Satureja arkansana* (Nutt.) Briq. see *S. glabella*]

Satureja glabella (Michx.) Briq. var. *angustifolia* (Torr.) Svenson / Ozark calamint; narrow-leaved savory reported for Minnesota by USDA-NRCS and NatureServe but no specimens at MIN; known from Ontario, WI, IL

Satureja vulgaris (L.) Fritsch / wild basil

[*Scutellaria epilobiifolia* A. Hamilton see *S. galericulata*]

Scutellaria galericulata L. / marsh skullcap; hooded skullcap

Scutellaria lateriflora L. / blue skullcap; mad-dog skullcap

Scutellaria leonardii Epling / Leonard's skullcap

included in *S. parvula* by some

Scutellaria ovata Hill var. *versicolor* (Nutt.) Fernald / heart-leaf skullcap; ovate-leaf skullcap state Threatened list; northern limit of distribution

Scutellaria parvula Michx. / small skullcap; prairie skullcap

Stachys hispida Pursh / hairy hedge-nettle; smooth hedge-nettle

included in *S. tenuifolia* by some including USDA-NRCS

Stachys palustris L. / marsh hedge-nettle; hairy hedge-nettle; woundwort

var. *homotricha* Fernald

var. *pilosa* (Nutt.) Fernald

[*Stachys pilosa* Nutt. see *S. palustris*]

Stachys tenuifolia Willd. / smooth hedge-nettle; narrow-leaved hedge-nettle

[*Stachys tenuifolia* Willd. var. *hispida* (Pursh) Fernald see *S. hispida*]

Teucrium canadense L. / Canadian germander; wood-sage

var. *occidentale* (A. Gray) E.M. McClint. & Epling

var. *virginicum* (L.) Eaton

Thymus praecox Opiz subsp. *arcticus* (Durand) Ronniger / creeping thyme

native to Eurasia; known only from Lake Co.; only specimen at DUL

Thymus pulegioides L. / lemon thyme

native to Europe

[*Thymus serpyllum* L. – previous report based on misidentified specimens]

[*Trichostema brachiatum* L. see *Isanthus brachiatus*]

Lemnaceae see Araceae

Lentibulariaceae

Pinguicula vulgaris L. / common butterwort

state Special Concern list

Utricularia cornuta Michx. / horned bladderwort; naked bladderwort

Utricularia geminiscapa Benj. / hidden-fruit bladderwort

range extension from IA and WI

Utricularia gibba L. / humped bladderwort; creeping bladderwort

Utricularia intermedia Hayne / intermediate bladderwort; northern bladderwort

[*Utricularia macrorhiza* Leconte see *U. vulgaris*]

Utricularia minor L. / lesser bladderwort

Utricularia ochroleuca R.W. Hartm. / yellowish bladderwort

reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario and Manitoba

Utricularia purpurea Walter / eastern purple-flower bladderwort

state Special Concern list
Utricularia resupinata B.D. Greene ex Bigelow / lavender bladderwort
state Special Concern list
Utricularia vulgaris L. / common bladderwort; greater bladderwort

Liliaceae [fide FNA 2002, vol. 26]

[*Aletris* see Nartheciaceae]
[*Allium* see Alliaceae]
[*Asparagus* see Asparagaceae]
[*Clintonia* see Colchicaceae; Mabberley 3rd ed. retains in Liliaceae]
[*Convallaria* see Ruscaceae; Asparagaceae in Mabberley 3rd ed.]
[*Disporum trachycarpum* (S. Watson) Benth. & Hook. see *Prosartes trachycarpa*]
Erythronium albidum Nutt. / small white fawnlily; white trout lily
vars. not recognized
Erythronium americanum Ker Gawl. subsp. *americanum* / dog-tooth-violet; yellow trout lily
Erythronium propullans A. Gray / Minnesota fawnlily; dwarf trout lily
federal and state Endangered list; endemic to Minnesota
[*Hemerocallis* see Hemerocallidaceae]
[*Hypoxis* see Hypoxidaceae]
Lilium lancifolium Thunb. / tiger lily; lance-leaf tiger lily
native to China
Lilium michiganense Farw. / Michigan lily
Lilium philadelphicum L. / wood lily
vars. not recognized
[*Maianthemum* see Ruscaceae; Asparagaceae in Mabberley 3rd ed.]
Medeola virginica L. / Indian-cucumber
reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario, WI, IL
[*Ornithogalum* see Hyacinthaceae; Asparagaceae in Mabberley 3rd ed.]
[*Polygonatum* see Ruscaceae; Asparagaceae in Mabberley 3rd ed.]
Prosartes trachycarpa S. Watson / rough-fruit fairy bells; drops-of-gold
disjunct from western US and Canada; known only from Cook Co.
[*Scilla* see Hyacinthaceae; Asparagaceae in Mabberley 3rd ed.]
[*Smilacina* see Maianthemum in Ruscaceae; Asparagaceae in Mabberley 3rd ed.]
Streptopus amplexifolius (L.) DC. / claspleaf twisted stalk; clasping twisted stalk
vars. not recognized
Streptopus lanceolatus (Aiton) Reveal / twisted stalk; rosy twisted stalk
[*Streptopus roseus* Michx. var. *longipes* (Fernald) Fassett see *S. lanceolatus*]
[*Tofieldia* see Tofieldiaceae]
[*Trillium* see Melanthiaceae]
[*Uvularia* see Colchicaceae]
[*Zigadenus* see Melanthiaceae]

Limnanthaceae [fide FNA 2010, vol. 7]

Floerkea proserpinacoides Willd. / false mermaidweed; false mermaid
state Threatened list

Linaceae

Linum lewisii Pursh / Lewis' flax; blue flax; prairie flax
native to western US
Linum perenne L. / blue flax
native to Europe; known only from Goodhue Co. (Frontenac SP), introduced with roadside plantings
Linum rigidum Pursh / stiff-stem flax; stiff-stem yellow flax
[var. *simulans* Rogers see var. *rigidum*]
var. *rigidum*
Linum sulcatum Riddell / grooved flax; grooved yellow flax
Linum usitatissimum L. / common flax; cultivated flax

native to Europe; seeds possibly toxic

Linderniaceae

- [*Lindernia anagallidea* (Michx.) Pennell see *L. dubia* var. *anagallidea*]
- Lindernia dubia* (L.) Pennell / yellow-seed false pimpernel
 - var. *anagallidea* (Michx.) Cooperr.
 - var. *dubia*

Linnaeaceae [Caprifoliaceae in Mabberley 3rd ed.]

- Linnaea borealis* L. / twinflower
 - [subsp. *americana* (Forbes) Hultén ex Clausen see var. *longiflora*]
 - var. *longiflora* (Torr.) Hultén

Lobeliaceae [Caprifoliaceae in Mabberley 3rd ed.]

- Lobelia cardinalis* L. var. *cardinalis* / cardinal flower
- Lobelia dortmanna* L. / Dortmann's cardinal flower; water lobelia
- Lobelia inflata* L. / Indian-tobacco
 - plant potentially toxic
- Lobelia kalmii* L. / Ontario lobelia; Kalm's lobelia
- Lobelia siphilitica* L. / great blue lobelia; great lobelia
 - leaves and roots potentially toxic
 - var. *ludoviciana* A. DC.
 - var. *siphilitica*
- Lobelia spicata* Lam. / pale-spike lobelia
 - var. *campanulata* McVaugh – reported by USDA-NRCS for Minnesota but no specimens at MIN; known from Manitoba, Ontario, WI, IA
 - var. *hirtella* A. Gray
 - var. *spicata*

Loranthaceae (our taxa) see Santalaceae

Lythraceae

- Ammannia coccinea* Rottb. / valley redstem; toothcup; ammannia
- Ammannia robusta* Heer & Regel / grand redstem
 - reported for Minnesota by USDA-NRCS but no specimens at MIN; known from all adjacent states
- Decodon verticillatus* (L.) Elliott var. *laevigatus* Torr. & A. Gray / swamp-loosestrife; water-willow
 - state Special Concern list
- Didiplis diandra* (Nutt. ex DC.) A.W. Wood / water-purslane
 - only known specimen from Minnesota (Mower Co.) deposited at MO
- Lythrum alatum* Pursh var. *alatum* / winged lythrum; wing-angled loosestrife
- Lythrum salicaria* L. purple loosestrife
 - native to Eurasia; state DOA controlled-noxious weed and MN-DNR Prohibited Invasive Species list, 1st collected 1924, Ramsey Co.
- Lythrum virgatum* L. / European wand loosestrife; purple loosestrife
 - state DOA controlled-noxious weed and MN-DNR Prohibited Invasive Species list, but not yet reported from MN (known from NH, MA, PA, VA, MT, WA)
- Rotala ramosior* (L.) Koehne / lowland rotala; lowland toothcup
 - state Threatened list

M

Malvaceae

- Abelmoschus esculentus* (L.) Moench. / okra; gumbo
 - native to Asian tropics; known only from Sherburne Co., Sherburne National Wildlife Refuge, doubtfully persisting
- Abutilon theophrasti* Medik. / velvetleaf
 - native to southern Asia; 1st collected 1876, Hennepin Co.

[*Alcea rosea* L. see *Althaea rosea*]

Althaea officinalis L. / common marshmallow
native to Europe; known only from Winona Co.

Althaea rosea (L.) Cav. / hollyhock
native to Europe; known only from Fillmore Co. (one parking-lot population), doubtfully persisting

Callirhoe involucrata (Torr. & A. Gray) A. Gray / purple poppymallow
reported for Minnesota by Flora of the Great Plains 1986 but no specimens at MIN; known from ND, NE, IA, IL

Callirhoe triangulata (Leavenworth) A. Gray / clustered poppymallow
native from WI, IA and southward; known only from Wabasha Co.

[*Hibiscus esculentus* L. see *Abelmoschus esculentus*]

Hibiscus laevis All. / halberd-leaf rose-mallow; smooth hibiscus
range extension from IA; known only from Ramsey Co. (one railroad population)

Hibiscus trionum L. / flower-of-an-hour; Venice mallow
native to southern Europe, 1st collected 1878, Hennepin Co.

Lavatera thuringiaca L. / tree lavatera
native to southern Europe; reported for Minnesota by USDA-NRCS but no specimens at MIN; doubtfully persisting

Malva moschata L. / musk mallow
native to Europe; known only from St. Louis Co.

Malva neglecta Wallr. / common mallow; cheeses
native from Eurasia and northern Africa

[*Malva pusilla* Sm. see *M. neglecta*]

Malva rotundifolia L. / low mallow; round-leaf mallow
native to Europe

Malva sylvestris L. / high mallow
native to Eurasia; yard weed, doubtfully persisting

Malva verticillata L. / curled mallow
native to Asia; known only from Kittson Co., doubtfully persisting

Napaea dioica L. / glademallow
state Threatened list; northwest limit of distribution

Sphaeralcea coccinea (Nutt.) Rydb. / scarlet globemallow; scarlet globemallow
native to the Great Plains; reported for Minnesota by USDA-NRCS and NatureServe but no specimens at MIN; known from ND, SD, IA

Tilia americana L. / American basswood; hin'ta can (Lakota)

Tilia europaea L. / common linden; European linden
native to Europe; known only from Hennepin Co. (naturalized along parkway)

Melanthiaceae [fide FNA 2002, vol. 26]

Trillium cernuum L. / whip-poor-will flower; nodding trillium
vars. not recognized

Trillium flexipes Raf. / nodding wakerobin; drooping trillium

Trillium grandiflorum (Michx.) Salisb. / white trillium; large-flowered trillium

Trillium nivale Riddell / snow trillium; dwarf white trillium
state Special Concern list

Zigadenus elegans Pursh / mountain death-camas; white camass
plants poisonous
vars. not recognized

[*Zigadenus glaucus* (Nutt.) Nutt. see *Z. elegans*]

Menispermaceae [fide FNA 1997, vol. 3]

Menispermum canadense L. / common moonseed; Canadian moonseed
seeds possibly poisonous

Menyanthaceae

Menyanthes trifoliata L. / buckbean; bog buckbean

Mimosaceae see Fabaceae

Molluginaceae [fide FNA 2003, vol. 4]

Mollugo verticillata L. / green carpet weed; Indian-chickweed
native to tropical America, now widely established (archeological evidence indicates a pre-Columbian presence at least as far north as TN)

Monotropaceae see Ericaceae

Moraceae [fide FNA 1997, vol. 3]

Fatoua villosa (Thunb.) Nakai / hairy crabweed; mulberry-weed
native to Asia; known only from Anoka Co. (nursery population)

Morus alba L. / white mulberry; Russian mulberry
native to eastern Asia; hybridizes with *M. rubra* and the hybrids spreading rapidly in the state (M. Nepal, pers. comm.) and frequently mistaken for this parent

Morus rubra L. / red mulberry
known only from the southeastern counties

Myricaceae [fide FNA 1997, vol. 3]

Comptonia peregrina (L.) J.M. Coult. / sweet-fern

Myrica gale L. / sweetgale

Myrsinaceae [fide FNA 2009, vol. 8]

[*Anagallis arvensis* L. see *Lysimachia arvensis*]

[*Anagallis minima* (L.) E.H.L. Krause see *Lysimachia minima*]

[*Centunculus minimus* L. see *Lysimachia minima*]

[*Glaux maritima* L. see *Lysimachia maritima*]

Lysimachia arvensis (L.) U. Manns & Anderb. / scarlet pimpernel
native to Europe (nomenclatural change made after FNA went to press; see *Willdenowia* 39: 51. 2009)

Lysimachia borealis (Raf.) U. Manns & Anderb. / starflower; maystar
(nomenclatural change was made after FNA went to press; see *Willdenowia* 39: 51. 2009)

Lysimachia ciliata L. / fringed loosestrife

Lysimachia x commixta Fernald (*L. terrestris x thyrsoiflora*) / no USDA name; mixed loosestrife
known only from Washington Co.; rarely producing seed

Lysimachia hybrida Michx. / Mississippi loosestrife; lowland yellow loosestrife

Lysimachia lanceolata Walt. / lanceleaf loosestrife
to be expected especially in southeastern Minnesota on moist sites; known from IA, WI, Ontario, and Manitoba

Lysimachia maritima (L.) Galasso, Banfi & Soldano / sea-milkwort
state Endangered list; known only from Kittson Co.

Lysimachia minima (L.) U. Manns & Anderb. / chaffweed
known only from Big Stone Co. (last collected 1901)
nomenclatural change made after FNA went to press (see *Willdenowia* 39: 52. 2009)

Lysimachia nummularia L. / creeping jenny; moneywort
native to Europe; rarely producing seed

Lysimachia quadriflora Sims / four-flowered yellow loosestrife; prairie loosestrife

Lysimachia quadrifolia L. / whorled yellow loosestrife
state Special Concern list, northwest limit of distribution; known only from Pine Co.

Lysimachia terrestris (L.) Britton, Sterns & Poggenb. / earth loosestrife; swamp candles; yellow swamp loosestrife;

Lysimachia thyrsoiflora L. / tufted loosestrife; swamp loosestrife

Lysimachia vulgaris L. / garden yellow loosestrife
native to Eurasia; known only from St. Louis Co. (Duluth area)

[*Trientalis borealis* Raf. see *Lysimachia borealis*]

N

Najadaceae see Hydrocharitaceae

Nartheciaceae

Aletris farinosa L. / colicroot

reported for Minnesota by USDA-NRCS but no specimens at MIN; known east of the Mississippi River

Nelumbonaceae [fide FNA 1997, vol. 3]

Nelumbo lutea Willd. / American lotus; yellow lotus

Nyctaginaceae [fide FNA 2003, vol. 4]

Mirabilis albida (Walter) Heimerl / white four-o'clock; hairy four-o'clock; hairy umbrellawort

[*Mirabilis hirsuta* (Pursh) MacMill. see *M. albida*]

Mirabilis linearis (Pursh) Heimerl var. *linearis* / narrow-leaf four-o'clock; narrow-leaf umbrellawort known only from Houston Co. (historical collections to 1899) but to be expected along the Dakota borders in disturbed rocky or gravelly sites

Mirabilis nyctaginea (Michx.) MacMill. / heart-leaf four-o'clock; heart-leaf umbrellawort

Nymphaeaceae [fide FNA 1997, vol. 3]

[*Nuphar lutea* (L.) Sm. see *N. variegata*]

[*Nuphar lutea* (L.) Sm. subsp. *pumila* (Timm) E.O. Beal / yellow pondlily – misapplied to our flora, see *N. microphylla*]

Nuphar microphylla (Pers.) Fernald / yellow pondlily

Nuphar rubrodisca Morong / yellow pondlily

possibly a hybrid (sometimes sterile) of *N. microphylla* and *N. variegata*

Nuphar variegata Durand / yellow pondlily; variegated yellow pondlily; kewa'pa (Lakota)

subsp. not recognized

Nymphaea leibergii Morong / Leiberg's waterlily; pygmy waterlily; small white waterlily state Threatened list

Nymphaea odorata Aiton / American white waterlily; fragrant waterlily

subsp. *odorata*

subsp. *tuberosa* (Paine) Wiersema & Hellq.

[*Nymphaea tetragona* Georgi – misapplied to our flora, see *N. leibergii*]

[*Nymphaea tuberosa* Paine see *N. odorata*]

O

Oleaceae

Fraxinus americana L. / white ash

Fraxinus nigra Marshall / black ash

Fraxinus pennsylvanica Marshall / green ash; red ash

vars. not recognized

Fraxinus quadrangulata Michx. / blue ash

reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario, WI, IA

Syringa x persica L. (*S. afghanica* x *laciniata*) / Persian lilac

native to Asia; known only from Isanti Co., probable

garden escapee

Syringa reticulata (Blume) H. Hara

native to northern Japan

subsp. *reticulata* – apparently naturalized only in St. Louis Co. (Duluth area)

subsp. *amurensis* (F. Ruprecht) P.S. Greene & M.C. Chang – naturalized only in Ramsy Co. (city park)

Syringa villosa Vahl / Japanese tree lilac; late lilac

native to China

Syringa vulgaris L. / common lilac

native to southern Europe

Onagraceae

- Calylophus serrulatus* (Nutt.) P.H. Raven / yellow sundrops; toothed evening-primrose
[*Chamerion angustifolium* (L.) Holub see *Epilobium angustifolium*]
Circaea alpina L. var. *alpina* / small enchanter's-nightshade; alpine enchanter's-nightshade
Circaea x intermedia Ehrh. (*C. alpina x lutetiana*) / no USDA name; hybrid enchanter's-nightshade
Circaea lutetiana L. var. *canadensis* L. / broad-leaf enchanter's-nightshade; common enchanter's-nightshade
Epilobium angustifolium L. / fireweed
var. *angustifolium* – known only from Mahnomen Co.
var. *canescens* A. Wood
Epilobium brachycarpum C. Presl / tall annual willowherb
reported for Minnesota by USDA-NRCS but no specimens at MIN; probably based on a misidentified specimen; known from Canada, ND, SD, WI
Epilobium ciliatum Raf. / fringed willowherb; American willowherb
var. *ciliatum*
[var. *glandulosum* (Lehm.) Dorn see *Epilobium glandulosum*]
Epilobium coloratum Biehler / purple-leaf willowherb; eastern willowherb
Epilobium glandulosum Lehm. / fringed willowherb; northern willowherb
included in *E. ciliatum* by some as a subspecies or variety
Epilobium leptophyllum Raf. / bog willowherb; linear-leaved willowherb
Epilobium palustre L. / marsh willowherb
Epilobium strictum Muhl. ex Spreng. / downy willowherb
Epilobium x wisconsinense Ugent (*E. ciliatum x coloratum*) / no USDA name; Wisconsin willowherb
Gaura biennis L. var. *biennis* / biennial beeblossom; biennial gaura
Gaura coccinea Nutt. ex Pursh / scarlet beeblossom; scarlet gaura
Gaura mollis James / velvetweed
reported for Minnesota by USDA-NRCS but no specimens at MIN; known from throughout US
Ludwigia palustris (L.) Elliott / marsh seedbox; common water-primrose
Ludwigia polycarpa Short & R. Peter / many-fruited primrose-willow; false loosestrife
Oenothera biennis L. / common evening-primrose; hairy evening-primrose
var. *biennis*
var. *canescens* Torr. & A. Gray
Oenothera clelandii W. Dietr., P.H. Raven & W.L. Wagner / Cleland's evening-primrose;
lesser four-point evening-primrose
Oenothera laciniata Hill / cut-leaf evening-primrose
Oenothera nuttallii Sweet / Nuttall's evening-primrose
[*Oenothera oakesiana* (A. Gray) J.W. Robbins ex S. Watson & Coult. see *O. parviflora* var. *oakesiana*]
Oenothera parviflora L. / northern evening-primrose; small-flowered evening-primrose
var. *oakesiana* (A. Gray) Fernald
var. *parviflora*
Oenothera perennis L. / little evening-primrose; perennial evening-primrose; little sundrops
Oenothera rhombipetala Nutt. ex Torr. & A. Gray / fourpoint evening-primrose; rhombic evening-primrose
state Special Concern list
[*Oenothera villosa* Thunb. see *O. biennis* var. *canescens*]

Orchidaceae [fide FNA 2002, vol. 26]

- Amerorchis rotundifolia* (Banks ex Pursh) Hultén / round-leaf orchid; small round-leaved orchid
Aplectrum hyemale (Muhl. ex Willd.) Torr. / adam-and-eve; puttyroot
Arethusa bulbosa L. / dragon's mouth
Calopogon oklahomensis D.H. Goldman / Oklahoma grass-pink
Calopogon tuberosus (L.) Britton, Sterns & Poggenb. var. *tuberosus* / tuberous grass-pink
Calypso bulbosa (L.) Oakes var. *americana* (R.Br.) Luer / fairy slipper; calypso orchid
Coeloglossum viride (L.) Hartm. / long-bract frog orchid; long-bract orchid
vars. not recognized
Corallorhiza maculata (Raf.) Raf. / summer coralroot; spotted coralroot
var. *maculata*

var. *occidentalis* (Lindl.) Ames
Corallorhiza odontorhiza (Willd.) Poir. var. *odontorhiza* / autumn coralroot, small-flower coralroot
Corallorhiza striata Lindl. var. *striata* / hooded coralroot; striped coralroot
Corallorhiza trifida Châtel. / yellow coralroot; early coralroot
Cypripedium acaule Aiton / pink moccasin flower; stemless lady-slipper
 may cause skin irritation
Cypripedium x andrewsii A.M. Fuller (*C. candidum* x *parviflorum*) / no USDA name; Andrews's lady-slipper
 may cause skin irritation; known only from Blue Earth and Dakota counties
Cypripedium arietinum R. Br. / ram's head lady-slipper; ram's head orchid
 state Threatened list; may cause skin irritation
 [*Cypripedium calceolus* L.
 var. *parviflorum* (Salisb.) Fern. / yellow lady's-slipper – misapplied to the regional flora,
 see *C. parviflorum* var. *makasin*]
 var. *pubescens* (Willdn.) Correll see *C. parviflorum* var. *pubescens*]
Cypripedium candidum Muhl. ex Willd. / white lady's-slipper
 state Special Concern list; may cause skin irritation
Cypripedium parviflorum Salisb. / greater yellow lady's-slipper
 may cause skin irritation
 var. *makasin* (Farw.) Sheviak
 var. *pubescens* (Willd.) O.W. Knight
Cypripedium reginae Walter / showy lady's-slipper
 may cause skin irritation
 [*Dactylorhiza viridis* (L.) R.M. Bateman, A.M. Pridgeon & M.W. Chase see *Coeloglossum viride*]
Epipactis helleborine (L.) Crantz / broad-leaf helleborine
Galearis spectabilis (L.) Raf. / showy orchid; showy orchis
Goodyera pubescens (Willd.) R. Br. / downy rattlesnake-plantain; downy rattlesnake orchid
Goodyera repens (L.) R. Br. / lesser rattlesnake-plantain; lesser rattlesnake orchid
 vars. not recognized (due to variability in leaf reticulation); although Smith 1993 reports
 that apparent hybrids with *G. tessellata* are common no hybrid specimens at MIN; see FNA for
 full discussion
Goodyera tessellata Lodd. / checkered rattlesnake-plantain; tessellated rattlesnake-plantain
 see FNA for full discussion of variability and possible origin

 [*Habenaria clavellata* (Michx.) Spreng. see *Platanthera clavellata*]
 [*Habenaria dilatata* (Pursh) Hook. see *Platanthera dilatata*]
 [*Habenaria flava* (L.) R. Br. see *Platanthera flava*]
 [*Habenaria hookeri* Torr. ex A. Gray see *Platanthera hookeri*]
 [*Habenaria hyperborea* (L.) R. Br. misapplied to our flora see *Platanthera aquilonis* or *P. huronensis*]
 [*Habenaria lacera* (Michx.) Lodd. see *Platanthera lacera*]
 [*Habenaria leucophaea* (Nutt.) A. Gray see *Platanthera praeclara*]
 [*Habenaria obtusata* (Banks ex Pursh) Richardson see *Platanthera obtusata*]
 [*Habenaria orbiculata* (Pursh) Torr. see *Platanthera orbiculata*]
 [*Habenaria psycodes* (L.) Spreng. see *Platanthera psycodes*]
 [*Habenaria viridis* (L.) R. Br. see *Coeloglossum viride*]
Liparis liliifolia (L.) Rich. ex Lindl. / brown wide-lip orchid; lily-leaved twayblade; purple twayblade
Liparis loeselii (L.) Rich. / yellow wide-lip orchid; Loesel's twayblade
Listera auriculata Wiegand / auricled twayblade; eared twayblade
 state Endangered list; western limit of distribution; known primarily from northeastern counties
Listera convallarioides (Sw.) Nuttall ex Elliott / broad-lip twayblade; broad-leaved twayblade
 state Special Concern list; known only from Cook Co. (last collected 1924)
Listera cordata (L.) R. Br. var. *cordata* / heart-leaf twayblade
 [*Malaxis brachypoda* (A. Gray) Fernald see *M. monophyllos*]
Malaxis monophyllos (L.) Sw. var. *brachypoda* (A. Gray) F. Morris & Eames / white
 adder's-mouth orchid; white adder's-mouth
 state Special Concern list
Malaxis paludosa (L.) Sw. / bog adder's-mouth orchid; bog adder's-mouth

state Endangered list; southern limit of distribution
Malaxis unifolia Michx. / green adder's-mouth orchid; green adder's-mouth
 [*Orchis rotundifolia* Banks ex Pursh see *Amerorchis rotundifolia*]
 [*Orchis spectabilis* L. see *Galearis spectabilis*]
Platanthera aquilonis Sheviak / northern green orchid
Platanthera clavellata (Michx.) Luer / small green wood orchid; club-spur orchid
 state Special Concern list
Platanthera dilatata (Pursh) Lindl. ex Beck var. *dilatata* / scentbottle; tall white bog orchid
Platanthera flava (L.) Lindl. var. *herbiola* (R. Br.) Luer / pale-green orchid; tubercled rein orchid
 state Endangered list; northwest limit of distribution
Platanthera hookeri (Torr. ex A. Gray) Lindl. / Hooker's orchid
Platanthera huronensis (Nutt.) Lindl. / Huron green orchid; northern bog orchid
 [*Platanthera hyperborea* (L.) Lindl. / northern green orchid – misapplied to the regional flora,
 see *P. huronensis* or *P. aquilonis*]
Platanthera lacera (Michx.) G. Don / green fringed orchid; ragged fringed orchid
 reports of hybrids with *P. psycodes*, known as *P. x andrewsii* (M. White) Luer, apparently
 are restricted to the far northeastern U.S. and adjacent Canada (see discussion in FNA) and
 are not found in Minnesota
 [*Platanthera x media* (Rydb.) Niles see *P. huronensis*]
Platanthera obtusata (Banks ex Pursh) Lindl. / blunt-leaf orchid; small northern bog orchid
Platanthera orbiculata (Pursh) Lindl. / lesser round-leaved orchid; large round-leaf orchid
Platanthera praeclara Sheviak & M.L. Bowles / Great Plains white fringed orchid; western
 prairie fringed orchid
 federal Threatened list / state Endangered list
Platanthera psycodes (L.) Lindl. / lesser purple fringed orchid; small purple fringed orchid
 vars. not recognized
Pogonia ophioglossoides (L.) Ker Gawl. / snake's-mouth orchid; rose pogonia
Spiranthes casei Catling & Cruise var. *casei* / Case's lady's-tresses
Spiranthes cernua (L.) Rich. / nodding lady's-tresses
Spiranthes lacera (Raf.) Raf. / northern slender lady's-tresses
 var. *gracilis* (Bigelow) Luer – known only from Hennepin Co. (historical collection from 1889)
 var. *lacera*
Spiranthes magnicamporum Sheviak / Great Plains lady's-tresses
Spiranthes romanzoffiana Cham. / hooded lady's-tresses
Spiranthes x simpsonii Catling & Sheviak (*S. lacera x ramanzoffiana*) / no USDA name
 reported for Minnesota by Smith 1993 (northern St. Louis County) but no specimens at MIN

Orobanchaceae

Agalinis aspera (Douglas ex Benth.) Britton / tall false foxglove; rough gerardia
Agalinis auriculata (Michx.) S.F. Blake / ear-leaf false foxglove; eared false foxglove
 state Endangered list; northwest limit of distribution
Agalinis gattingeri (Small) Small / round-stem false foxglove
 state Endangered list; northwest limit of distribution
 [*Agalinis paupercula* (A. Gray) Britton see *A. purpurea* var. *parviflora*]
Agalinis purpurea (L.) Pennell / purple false foxglove; purple gerardia
 [var. *borealis* Pennell see var. *parviflora*]
 var. *parviflora* (Benth.) B. Boivin
 var. *purpurea*
Agalinis tenuifolia (Vahl) Raf. / slender-leaf false foxglove; slender gerardia
 vars. not recognized
Aureolaria grandiflora (Benth.) Pennell var. *pulchra* Pennell / large-flowered yellow false foxglove
 northern limit of distribution; known only from Houston Co. (historical collection from 1899)
Aureolaria pedicularia (L.) Raf. / fern-leaf yellow false foxglove; fern-leaf false foxglove
 state Threatened list; northwest limit of distribution
 var. *ambigens* (Fernald) Farw.
 var. *intercedens* Pennell – known only from Hennepin Co. (historical collection from 1878)

Castilleja coccinea (L.) Spreng. / scarlet Indian paintbrush; painted cup
Castilleja septentrionalis Lindl. / Labrador Indian paintbrush; northern paintbrush
 state Endangered list; southwest limit of distribution
Castilleja sessiliflora Pursh / downy painted cup; downy paintbrush
Euphrasia hudsoniana Fernald & Wiegand var. *ramosior* Sell & Yeo / Hudson Bay eyebright
 state Special Concern list
 [*Euphrasia nemorosa* (Pers.) Wallr. see *Euphrasia officinalis*]
Euphrasia officinalis L. / common eyebright; Tartary eyebright
 native to Europe
 [*Euphrasia stricta* D. Wolff ex J.F. Lehm. see *E. officinalis*]
Melampyrum lineare Desr. / narrow-leaf cow-wheat
 var. *americanum* (Michx.) Beauverd
 var. *latifolium* Bart. – reported for Minnesota by USDA-NRCS but no specimens at MIN; known
 from Ontario, WI, IL
 var. *lineare*
Orobanche fasciculata Nutt. / clustered broomrape
 state Special Concern list; federal noxious weed
Orobanche ludoviciana Nutt. var. *ludoviciana* / Louisiana broomrape; prairie broomrape
 state Special Concern list; federal noxious weed
Orobanche uniflora L. / one-flowered broomrape
 state Special Concern list; federal noxious weed
Orthocarpus luteus Nutt. / yellow owl-clover; golden-tongue owl-clover
Pedicularis canadensis L. / Canadian lousewort; wood-betony
Pedicularis lanceolata Michx. / swamp lousewort

Oxalidaceae

Oxalis acetosella L. / mountain wood-sorrel; common wood-sorrel
 [*Oxalis corniculata* L. see *O. acetosella*]
Oxalis dillenii Jacq. / slender yellow wood-sorrel; southern wood-sorrel
 [*Oxalis montana* Raf. see *O. acetosella*]
Oxalis stricta L. / common yellow wood-sorrel; yellow wood-sorrel
Oxalis violacea L. / violet wood-sorrel

P

Papaveraceae [fide FNA 1997, vol. 3]

Chelidonium majus L. / celandine
 native to Eurasia
Eschscholzia californica Cham. / California poppy
 native to southwestern US; known only from Cass Co., rarely found as an
 annual escape in roadside plantings but not generally persisting
Papaver rhoeas L. / corn poppy
 native from Eurasia and west Africa; rarely found as escape but doubtfully persisting
Papaver somniferum L. / opium poppy; common poppy
 native to Mediterranean region; known only from St. Louis Co. (Duluth area)
Sanguinaria canadensis L. / bloodroot
 plant toxic

Parnassiaceae [Celastraceae in Mabberley 3rd ed.]

Parnassia glauca Raf. / fen grass-of-parnassus; American grass-of-parnassus
Parnassia palustris L. / marsh grass-of-parnassus; arctic grass-of-parnassus

Pedaliaceae

Proboscidea louisianica (Mill.) Thell. / ram's-horn; devil's-claw
 reported for Minnesota by Flora of the Great Plains 1986 but no specimens at MIN and presence unlikely

Penthoraceae [fide FNA 2009, vol. 8] [Saxifragaceae in Mabberley 3rd ed.]

Penthorum sedoides L. / ditch stonecrop

Phrymaceae

Mimulus glabratus Kunth / round-leaf monkey flower; yellow monkey flower

var. *fremontii* (Benth.) A.L. Grant

[var. *jamesii* A. Gray see var. *fremontii*]

Mimulus ringens L. var. *ringens* / Allegheny monkey flower; blue monkey flower

Phryma leptostachya L. / American lopseed

Phytolaccaceae [fide FNA 2003, vol. 4]

Phytolacca americana L. var. *americana* / American pokeweed; pokeberry

reported for Minnesota by FNA but no specimens at MIN; known from Ontario, WI, IA

Plantaginaceae

Bacopa rotundifolia (Michx.) Wettst. / disk water-hyssop; water-hyssop

state Special Concern list

Besseya bullii (Eaton) Rydb. / Bull's coraldrops; kittentails

state Threatened list; northwest limit of distribution

Callitriche hermaphrodita L. / northern water-starwort; autumn water-starwort

Callitriche heterophylla Pursh / two-headed water-starwort; larger water-starwort

state Special Concern list

Callitriche palustris L. / vernal water-starwort; spring water-starwort

[*Callitriche verna* L. see *C. palustris*]

Chaenorhinum minus (L.) Lange / dwarf snapdragon; lesser toadflax

native to Europe

Chelone glabra L. / white turtlehead

Chelone obliqua L. / red turtlehead; purple turtlehead

northern limit of distribution; known only from "southern Minnesota" (last collected 1922)

dgrandiflora Lam. / yellow foxglove

native to Europe and western Asia; known only from St. Louis Co. (Duluth area)

Digitalis lanata Ehrh. / Grecian foxglove

native to southern Europe; state DOA eradicate-noxious weed; known only from Washington Co.; known to be invasive

Gratiola neglecta Torr. / clammy hedge-hyssop; disk hyssop

Hippuris vulgaris L. / common mare's-tail

Linaria canadensis (L.) Dum. Cours. / Canada toadflax; old-field toadflax

[var. *texana* (Scheele) Penn. see *Linaria texana*]

Linaria dalmatica (L.) Mill. / Dalmatian toadflax

native to eastern Mediterranean region

Linaria genistifolia (L.) Mill. / broom-leaf toadflax; broad-leaved toadflax

native to Europe; known only from Pope Co. (last collected 1938)

Linaria texana Scheele / Texas toadflax

reported for Minnesota by the Atlas of the Flora of the Great Plains 1986 but no specimens at MIN; known from Saskatchewan, ND, SD, NE

Linaria vulgaris Mill. / butter-and-eggs

native to Europe

[*Lindernia* see Linderniaceae]

[*Littorella americana* Fernald see *L. uniflora*]

Littorella uniflora (L.) Asch. var. *americana* (Fernald) Gleason / American shoreweed; shore-plantain

state Special Concern list

[*Nuttallanthus canadensis* (L.) D.A. Sutton see *Linaria canadensis*]

[*Nuttallanthus texanus* (Scheele) D.A. Sutton see *Linaria texana*]

Penstemon albidus Nutt. / white penstemon; prairie beardtongue; white beardtongue

[*Penstemon calycosus* Small see *P. laevigatus*]

Penstemon digitalis Nutt. ex Sims / tall slope penstemon; foxglove beardtongue

Penstemon gracilis Nutt. / lilac penstemon; slender beardtongue
Penstemon grandiflorus Nutt. / large beardtongue; shell-leaf penstemon; large-flowered beardtongue
Penstemon laevigatus Aiton / long sepal beardtongue; eastern smooth beardtongue
 native to southeastern US; known only from Stearns Co., possible
 garden escape
Penstemon pallidus Small / pale beardtongue; eastern white beardtongue
Plantago aristata Michx. / large-bracted plantain; bracted plantain
Plantago elongata Pursh / prairie plantain; slender plantain
 state Threatened list; eastern limit of distribution
Plantago eriopoda Torr. / red wool plantain; alkali plantain
Plantago lanceolata L. / narrow-leaf plantain; English plantain
 native to Eurasia, 1st collected 1891, Brown and Cook counties
Plantago major L. / common plantain; great plantain
 native to Eurasia
Plantago patagonica Jacq. / woolly plantain; Pursh's plantain
Plantago psyllium L. / sand plantain; leafy-stem plantain
 native to eastern Mediterranean region
Plantago rugelii Decne. / black-seed plantain; Rugel's plantain; American plantain
Plantago virginica L. / Virginia plantain; hoary plantain
 known only from Cook Co. (last collected 1944)
 [*Pseudolysimachion longifolium* (L.) Opiz see *Veronica longifolia*]
Veronica americana Schwein. ex Benth. / American speedwell; American brooklime
 [*Veronica anagallis-aquatica* L. see *V. catenata*]
Veronica arvensis L. / corn speedwell
 native to Eurasia
Veronica austriaca L. subsp. *teucrium* (L.) D.A. Webb / broad-leaf speedwell
 native to Eurasia; known only from Lake Co.
Veronica catenata Pennell / water speedwell
Veronica longifolia L. / long-leaf speedwell; seaside veronica
 native to Europe
Veronica officinalis L. / common gypsyweed; common speedwell
 native to Europe; toxic to livestock
Veronica peregrina L. / neckweed; purslane speedwell
 var. *peregrina*
 var. *xalapensis* (Kunth) Pennell
Veronica persica Poir. / bird's-eye speedwell
 native to southwestern Asia
 [*Veronica prostrata* L. – previous report based on misidentified specimen]
Veronica satureiifolia Poit. & Turp. / basil-leaved speedwell
 native to Europe; known only from St. Louis Co. (Duluth area)
Veronica scutellata L. / skullcap speedwell; marsh speedwell;
Veronica serpyllifolia L. / thyme-leaf speedwell
 var. *humifusa* (Dicks.) Syme
 var. *serpyllifolia* – native to Europe
 [*Veronica teucrium* L. see *V. austriaca* subsp. *teucrium*]
Veronica verna L. / spring speedwell
 native to Europe
Veronicastrum virginicum (L.) Farw. / culver's root

Poaceae [fide FNA 2003, 2007, vols. 24 & 25]

Achnatherum hymenoides (Roem. & Schult.) Barkworth / Indian ricegrass; silkgrass
 State Endangered list; eastern limit of distribution
 [*Agrohordeum x macounii* (Vasey) Lepage see *x Elyhordeum macounii*]
Agropyron cristatum (L.) Gaertn. / crested wheatgrass
 native to Eurasia
 [*Agropyron pectiniforme* Roem. & Schult. see *A. cristatum*]

[*Agropyron repens* (L.) P. Beauv. see *Elymus repens*]
 [*Agropyron smithii* Rydb. see *Pascopyrum smithii*]
 [*Agropyron trachycaulum* (Link) Malte ex H.F. Lewis see *Elymus trachycaulus*]
 [*Agropyron trachycaulum* (Link) Malte ex H.F. Lewis
 var. *glaucum* (Pease & A.H. Moore) Malte see *Elymus trachycaulus* subsp. *subsecundus*]
 var. *majus* (Vasey) Fernald see *Elymus trachycaulus* subsp. *trachycaulus*]
 [*Agrostis alba* L. / redtop – misapplied to our flora, see *A. gigantea* or *A. stolonifera*]
 [*Agrostis canina* L. / velvet bentgrass – erroneously reported for Minnesota by USDA-NRCS; known
 only as introductions along both coasts]
 [*Agrostis geminata* Trin. see *A. scabra*]
Agrostis gigantea Roth / redtop; black bent
 native to Eurasia
Agrostis hyemalis (Walter) Britton, Sterns & Poggenb. / winter bentgrass; winter bent; hairgrass
 northwestern edge of range; known only from southeastern Minnesota (Anoka Co.
 populations prob. introduced); previous widespread reports were based on previous
 inclusion of *A. scabra* in this taxon
 [*var. scabra* (Willd.) Blomq. see *A. scabra*]
Agrostis perennans (Walter) Tuck. / upland bentgrass; autumn bent
Agrostis scabra Willd. / rough bentgrass; winter bent; ticklegrass
 native to Pacific coastal countries, introduced elsewhere; includes *A. gigantea* which was
 on the state Special Concern list
Agrostis stolonifera L. / creeping bent; spreading bent; redtop
 both native and introduced (from Eurasia) forms may occur but vars. not recognized
 [*var. major* (Gaudin) Farw. see *A. gigantea*]
Alopecurus aequalis Sobol. var. *aequalis* / short-awn foxtail
Alopecurus carolinianus Walter / Carolina foxtail; tufted meadow-foxtail
Alopecurus geniculatus L. / water foxtail
 native to Eurasia; reported for Minnesota (southwestern counties) by FNA but
 no specimens at MIN
Alopecurus pratensis L. / meadow foxtail
 native to Eurasia
Ammophila breviligulata Fernald subsp. *breviligulata* / American beachgrass
 state Threatened list, western limit of distribution; known only from St. Louis Co. (Duluth area)
Andropogon gerardii Vitman / big bluestem
Andropogon hallii Hack. / sand bluestem; beardgrass
 native to the Great Plains; introduced with roadside/wildlife plantings
 [*Anthoxanthum aristatum* Boiss. / annual vernalgrass – coastal species erroneously reported for
 Minnesota by USDA-NRCS]
Anthoxanthum hirtum (Schrank) Y. Schouten & Veldkamp / northern sweetgrass; wacan'ga (Lakota)
Aristida basiramea Engelm. ex Vasey / forked three-awn; fork-tip three-awn; base-branched three-awn
Aristida dichotoma Michx. / church-mouse three-awn; povertygrass
 var. *curtissii* A. Gray
 var. *dichotoma* – poss. also occurring but no specimens at MIN
Aristida longespica Poir. / slimspike three-awn; plains three-awn
 native to central and southern Great Plains
 var. *geniculata* (Raf.) Fernald – known only from Anoka Co.
 probably introduced
 [*var. longespica* – erroneously reported for Minnesota by USDA-NRCS; known from WI, IL, IA]
Aristida oligantha Michx. / prairie three-awn; oldfield three-awn
Aristida purpurea Nutt. / purple three-awn; red three-awn
 var. *longiseta* (Steud.) Vasey - state Special Concern list
 var. *purpurea* – poss. also occurring but no specimens at MIN
Aristida tuberculosa Nutt. / seaside three-awn; sea-beach needlegrass
 state Special Concern list
Arrhenatherum elatius (L.) P. Beauv. ex J. Presl & C. Presl / tall oatgrass
 native to Europe

subsp. *elatius* – known only from Hennepin Co. (last collected 1943)
 subsp. *bulbosum* (Willd.) Schübl. & G. Martens – known only from Ramsey Co. (historical collection of 1891)
Avena fatua L. / wild oats
 native to Eurasia; occasionally persisting near cultivated fields
Avena sativa L. / common oats; cultivated oats
 native to Eurasia; occasionally persisting near cultivated fields; moderately toxic to livestock
Avenula hookeri (Scribn.) Holub / spikeoat; Hooker's alpine oatgrass
 state Special Concern list
 [*Avenula pubescens* (Huds.) Dumort. / downy alpine oatgrass – erroneously reported naturalized for Minnesota by USDA (based on experimental agricultural plantings deposited at DUL)]
Beckmannia syzigachne (Steud.) Fernald / American sloughgrass
Bouteloua curtipendula (Michx.) Torr. var. *curtipendula* / sideoats gramma; semiphoregrass
 [*Bouteloua dactyloides* (Nutt.) J.T. Columbus see *Buchloe dactyloides*]
Bouteloua gracilis (Kunth) Lag. ex Griffiths / blue grama; peji' oki'jata (Lakota)
Bouteloua hirsuta Lag. var. *hirsuta* / hairy grama
Brachyelytrum aristosum (Michx.) P. Beauv ex Branner & Coville / northern shorthusk; bearded shorthusk
Brachyelytrum erectum (Schreb.) P. Beauv / bearded shorthusk; southern shorthusk
 [var. *glabratum* (Vasey ex Millsp.) T. Koyama & Kawano see *B. aristosum*]
 [*Brachyelytrum septentrionale* (Babel) G.C. Tucker see *B. aristosum*]
Bromus – several introduced species (with livestock feed) are common across North America and known from adjacent states; only those verified with specimens as occurring in Minnesota are listed below
 [*Bromus altissimus* Pursh see *B. latiglumis*]
 [*Bromus arvensis* L. see *B. japonicus*]
Bromus catharticus Vahl var. *catharticus* / rescuegrass
 native to South America; reported for Minnesota by FNA but no specimens at MIN
Bromus ciliatus L. / fringed brome
Bromus inermis Leyss. / smooth brome; Hungarian brome
 native to Eurasia
 [subsp. *pumpellianus* (Scribn.) Wagon see *B. pumpellianus*]
Bromus japonicus Thunb. / field brome; Japanese brome
 native to Eurasia
Bromus kalmii A. Gray / arctic brome; Kalm's brome
Bromus latiglumis (Scribn. ex Shear) Hitchc. / early-leaf brome; broad glume brome
Bromus pubescens Muhl. ex Willd. / hairy woodland brome; hairy brome
Bromus pumpellianus Scribn. subsp. *pumpellianus* / Pumpelly's brome; smooth brome
 native to Canada and western US; difficult to distinguish from *B. inermis* (especially) or *B. latiglumis*;
 previous report from Minnesota based on misidentified specimen, however an unverified report from Norman Co. may be this species
Bromus secalinus L. / chess; rye brome
 native to Europe; (known only from historical collections to 1899)
Bromus tectorum L. / cheatgrass; downy chess
 native to Eurasia
Buchloe dactyloides (Nutt.) Engelm. / buffalograss
 state Special Concern list
Calamagrostis canadensis (Michx.) P. Beauv. / bluejoint
 var. *canadensis*
 var. *langsдорffii* (Link) Inman
 var. *macouniana* (Vasey) Stebbins
 [*Calamagrostis inexpansa* A. Gray see *C. stricta* subsp. *inexpansa*]
 [*Calamagrostis lacustris* (Kearney) Nash see *C. stricta* subsp. *inexpansa*]
Calamagrostis montanensis (Scribn.) Vasey / plains reedgrass
 state Special Concern list (eastern limit of distribution)
 [*Calamagrostis neglecta* Gaertn., B. Mey. & Scherb. see *C. stricta*]
Calamagrostis purpurascens R. Br. / purple reedgrass

state Special Concern list, disjunct from western and northern North America; known only from Cook Co.

Calamagrostis stricta (Timm) Koeler / slimstem bluejoint; marsh reedgrass; northern reedgrass
 subsp. *inexpansa* (A. Gray) C.W. Greene – this includes *C. lacustris* which was on the state Special Concern list
 [var. *lacustris* (Kearney) C.W. Greene see subsp. *inexpansa*]
 subsp. *stricta*

Calamovilfa longifolia (Hook.) Scribn. var. *longifolia* / prairie sand reed; giant sand reed; sand reedgrass

Catabrosa aquatica (L.) P. Beauv. / water whorlgrass; brookgrass
 to be expected along the North Dakota border, in wet meadows and along streams

Cenchrus longispinus (Hack.) Fernald / mat sandbur
 [*Cenchrus pauciflorus* Benth. see *C. spinifex*]

Cenchrus spinifex Cav. / coastal sandbur
 disjunct from IL and IA

Cinna arundinacea L. / sweet wood reed; short woodreed

Cinna latifolia (Trevir. ex Göpp.) Griseb. / drooping wood reed; slender wood reed

Dactylis glomerata L. / orchardgrass; barnyardgrass
 native to Eurasia and Africa

Danthonia spicata (L.) P. Beauv. ex Roem. & Schult. / poverty oatgrass; poverty grass; wild-oat grass

Deschampsia cespitosa (L.) P. Beauv. / tufted hairgrass; common hairgrass
 subsp. *cespitosa*
 [var. *glauca* (Hartm.) Lindm. see subsp. *cespitosa*]

Deschampsia flexuosa (L.) Trin. / wavy hairgrass; slender hairgrass
 state Special Concern list

[*Diarrhena americana* P. Beauv. var. *obovata* Gleason see *D. obovata*]

Diarrhena obovata (Gleason) Brandenb. / obovate beakgrain; American beakgrain
 state Special Concern list; known only from Fillmore Co.

Dichanthelium aciculare (Desv. ex Poir.) Gould & C.A. Clark subsp. *angustifolium* (Elliott) Freckmann & Lelong / needle-leaf rosette grass; narrow-leaved panicgrass
 disjunct from southern and eastern US; known only from Clearwater Co. (Itasca State Park), probably an introduced waif

Dichanthelium acuminatum (Sw.) Gould & C.A. Clark / tapered rosette grass; hairy panicgrass
 this is a highly diverse species complex with much overlap among the variants and hybridization with other species of *Dichanthelium* contributing to taxonomic difficulties; the subspecies listed by FNA define only the major recognizable variants
 [var. *acuminatum* – coastal taxon erroneously reported for Minnesota by USDA-NRCS]
 subsp. *columbianum* (Scribn.) Freckmann & Lelong
 subsp. *fasciculatum* (Torr.) Freckmann & Lelong
 subsp. *implicatum* (Scribn.) Freckmann & Lelong
 subsp. *lindheimeri* (Nash) Freckmann & Lelong

Dichanthelium boreale (Nash) Freckmann / northern panicgrass

Dichanthelium depauperatum (Muhl.) Gould / starved panicgrass; poverty panicgrass; poor panic grass

Dichanthelium dichotomum (L.) Gould / cypress panicgrass
 reported for Minnesota by MN-DNR but no specimens at MIN; known from southern WI south- and eastward

Dichanthelium latifolium (L.) Harvill / broad-leaf rosette grass; broad-leaf panicgrass

Dichanthelium leibergii (Vasey) Freckmann / Leiberg's panicgrass

Dichanthelium linearifolium (Scribn.) Gould / slim-leaf panicgrass; linear-leaf panicgrass
 [*Dichanthelium meridionale* (Ashe) Freckmann see *D. acuminatum* subsp. *implicatum* fide WIS FLORA, not included in FNA]

Dichanthelium oligosanthes (Schult.) Gould / Heller's rosette grass; Scribner's panicgrass
 subsp. *oligosanthes*
 subsp. *scribnerianum* (Nash) Freckmann & Lelong

Dichanthelium ovale (Elliott) Gould & C.A. Clark / egg-leaf rosette grass; Columbian panicgrass
 [var. *addinsonii* (Nash) Gould & C.A. Clark see *D. ovale* subsp. *pseudopubescens*]
 subsp. *praecocius* (Hitc. & Chase) Freckmann & Lelong

subsp. *pseudopubescens* (Nash) Freckmann & Lelong
 subsp. *villosissimum* (Nash) Freckmann & Lelong
Dichantherium perlongum (Nash) Freckmann / slim-leaf panicgrass; long-stalk panicgrass
 [*Dichantherium sabulorum* (Lam.) Gould & C.A. Clark / hemlock rosette grass – misapplied to our flora, see
D. acuminatum subsp. *implicatum*]
Dichantherium x scoparioides (Ashe) Mohlenbr. (*D. acuminatum x oligosanthos*) / Shasta panicgrass
 reported for Minnesota by USDA-NRCS but no specimens at MIN; this hybrid not reported in FNA
 [*Dichantherium villosissimum* (Nash) Freckmann see *D. ovale* subsp. *villosissimum*]
Dichantherium wilcoxianum (Vasey) Freckmann / fall rosette grass; Wilcox's panicgrass
Dichantherium xanthophysum (A. Gray) Freckmann / slender rosette grass; yellow panicgrass
Digitaria cognata (Schult.) Pilg. / fall witchgrass
Digitaria ischaemum (Schreb.) Muhl. / smooth crabgrass
 native to Eurasia
Digitaria sanguinalis (L.) Scop. / hairy crabgrass; northern crabgrass
 native to Eurasia
 [*Diplachne fascicularis* P. Beauv. see *Leptochloa fusca*]
Distichlis spicata (L.) Greene / saltgrass
 vars. not recognized
 [*Distichlis stricta* (Torr.) Rydb. see *D. spicata*]
Echinochloa crus-galli (L.) P. Beauv. / barnyard grass; cockspur
 native to Eurasia
 [*Echinochloa crus-galli* (L.) P. Beauv. var. *frumentacea* (Link) W. Wright see *E. frumentacea*]
Echinochloa frumentacea Link / billion-dollar grass; Siberian millet; white panic grass
 native to India; reported from experimental plots in Minnesota, unknown if spreading or persisting
Echinochloa muricata (P. Beauv.) Fernald / rough barnyard grass; wild millet
 var. *microstachya* Wiegand
 var. *muricata*
 [*Echinochloa pungens* (Poir.) Rydb. see *E. muricata* var. *muricata*]
Echinochloa walteri (Pursh) A. Heller / coast cockspur grass; coastal barnyard grass
Eleusine coracana (L.) Gaertn. subsp. *coracana* / finger millet
 native to Africa; known only from Ramsey Co. (one agricultural population),
 doubtfully persisting
Eleusine indica (L.) Gaertn. / goosegrass; yardgrass
 native to Africa; occasional weed near cultivated fields
 x *Elyhordeum macounii* (Vasey) Barkworth & D.R. Dewey (*Elymus trachycaulus x Hordeum
 jubatum*) / Macoun's barley; Macoun's wild rye
 x *Elyhordeum montanense* (Scrib. ex Beal) Bowden (*Elymus virginicus x Hordeum
 jubatum*) / mountain barley
 to be expected on disturbed sites if both parents nearby
Elymus – numerous hybrids are known to occur among the species but their distribution within
 the US is incompletely known; only those previously considered species are reported here.
Elymus canadensis L. / Canada wild rye; nodding wild rye; pteya' hota (Lakota)
 var. *canadensis*
 var. *robustus* (Scribn. & J.G. Sm.) Mack. & Bush – known only from Chippewa Co.
 (historical collection from 1894)
 [var. *wiegandii* (Fernald) Bowden see *E. wiegandii*]
Elymus curvatus Piper / Virginia wild rye; awnless wild rye
Elymus diversiglumis Scribn. & C.R. Ball / diverse-glume wild rye; interrupted wild rye; Minnesota wild rye
Elymus hystrix L. / eastern bottlebrush grass
 [*Elymus interruptus* Buckley / Texas wildrye – misapplied to our flora, see *E. diversiglumis*]
 [*Elymus junceus* Fisch. see *Psathyrostachys juncea*]
 [*Elymus x macounii* Vasey see *x Elyhordeum macounii*]
 [*Elymus racemosus* Lam. see *Leymus racemosus*]
Elymus repens (L.) Gould / quackgrass
 native to Eurasia, 1st collected 1886, St. Louis Co.
Elymus riparius Wiegand / riverbank wild rye

easily confused with *E. villosus* and possibly *E. diversiglumis*
 [*Elymus submuticus* (Hook.) Smyth & Smyth see *E. curvatus*]
Elymus trachycaulus (Link) Gould ex Shinners / slender wheatgrass; slender wild rye
 subsp. *subsecundus* (Link) A. Löve & D. Löve
 subsp. *trachycaulus*
 unnamed polymorphic Group II members [see FNA for discussion]
Elymus villosus Muhl. ex Willd. / hairy wild rye; downy wild rye
Elymus virginicus L. / Virginia wild rye
 var. *halophilus* (E.P. Bickn.) Wieg. – presently known only from Cottonwood Co. (however, most specimens of the species not identified to variety)
 var. *jejunus* (Ramaley) Bush
 [var. *submuticus* Hook. see *E. curvatus*]
 var. *virginicus*
Elymus wiegandii Fernald / Wiegand's wild rye; broad-leaf wild rye
 [*Elytrigia repens* (L.) Desv. ex B.D. Jacks see *Elymus repens*]
 [*Elytrigia smithii* (Rydb.) Nevski see *Pascopyrum smithii*]
Eragrostis capillaris (L.) Nees / lacegrass
 to be expected in the southeastern corner along the lower Mississippi River (known from IA, WI), on dry sandy riverbanks
Eragrostis cilianensis (All.) Vignolo ex Janch. / stinkgrass
 native to Europe
Eragrostis frankii C.A. Mey. ex Steud. / sandbar lovegrass; Frank's lovegrass
Eragrostis hypnoides (Lam.) Britton, Sterns & Poggenb. / teal lovegrass; creeping lovegrass
 [*Eragrostis megastachya* (Koeler) Link see *E. cilianensis*]
Eragrostis minor Host / little lovegrass
 native to Europe
Eragrostis pectinacea (Michx.) Nees var. *pectinacea* / tufted lovegrass; Carolina lovegrass
Eragrostis pilosa (L.) P. Beauv. / India lovegrass; Indian lovegrass
 native to Eurasian tropics; doubtfully persisting
 var. *perplexa* (L.H. Harv.) S.D. Koch – known only from Pipestone Co. (last collected 1931)
 var. *pilosa* – known only from Pipestone Co. (historical collection from 1883)
Eragrostis spectabilis (Pursh) Steud. / purple lovegrass; tumblegrass
Eragrostis trichodes (Nutt.) Alph. Wood / sand lovegrass; beautiful lovegrass
 disjunct from central Great Plains
Eriochloa contracta Hitchc. / prairie cupgrass
 reported for Minnesota (Mankato region) by FNA but no specimens at MIN;
 known from MO and NE
Eriochloa villosa (Thunb.) Kunth / Chinese cupgrass; woolly cupgrass
 native to eastern Asia, 1st collected 1967, Blue Earth Co.
 [*Festuca arundinacea* Schreb. see *Schedonorus arundinaceus*]
 [*Festuca brachyphylla* Schult. & Schult.f. / alpine fescue – misapplied to our flora; previous reports of this species in Minnesota were based on a broader interpretation of the taxon; ours now to be considered the narrower *F. saximontana*]
 [*Festuca brevipila* Tracey see *F. trachyphylla*]
 [*Festuca elatior* L. see *Schedonorus arundinaceus*]
 [*Festuca longifolia* Thuill. / hard fescue – misapplied to our flora, see *F. trachyphylla*]
 [*Festuca obtusa* Biehler see *F. subverticillata*]
 [*Festuca octoflora* Walt. see *Vulpia octoflora*]
 [*Festuca ovina* L. / sheep fescue – misapplied to our flora; previous reports of this species were based on a broader interpretation of the taxon, any populations from Minnesota previously reported (except as an ornamental) probably *F. saximontana*
 [var. *duriuscula* (L.) W.D.J. Koch see *F. trachyphylla*]
Festuca paradoxa Desv. / clustered fescue; paradox fescue
 known only from Goodhue Co. (historical collection from 1886)
 [*Festuca pratensis* Huds. see *Schedonorus pratensis*]
Festuca rubra L. / red fescue

a complex taxon with native and introduced forms in North America
 subsp. *commutata* Gaudea – native to Europe, generally found in lawns but occasionally escaping; possibly occurring in Minnesota but no specimens at MIN
 subsp. *fallax* (Thuill.) Nyman -- native to Europe; ; possibly occurring in Minnesota but no specimens at MIN
 subsp. *rubra* -- native to Eurasia
Festuca saximontana Rydb. var. *saximontana* / Rocky Mountain fescue; mountain fescue; short-leaf fescue
Festuca subverticillata (Pers.) E.B. Alexeev / nodding fescue
Festuca trachyphylla (Hack.) Krajina / hard fescue; long-leaved fescue
 native to Europe
Glyceria borealis (Nash) Batch. / small floating mannagrass; boreal mannagrass
Glyceria canadensis (Michx.) Trin. var. *canadensis* / rattlesnake mannagrass; rattlesnake glyceria
Glyceria grandis S. Watson var. *grandis* / American mannagrass; tall mannagrass
Glyceria septentrionalis Hitchc. var. *septentrionalis* / floating mannagrass; northern mannagrass
 reported for Minnesota by USDA-NRCS and NatureServe but no specimens at MIN; known from adjacent La Crosse Co. WI south- and eastward FNA
Glyceria striata (Lam.) Hitchc. / fowl mannagrass; waterfowl mannagrass
 vars. not recognized
 [*Helictotrichon hookeri* (Scribn.) Henrard see *Avenula hookeri*]
Hesperostipa comata (Trin. & Rupr.) Barkworth subsp. *comata* / needle-and-thread grass
Hesperostipa curtisetata (Hitchc.) Barkworth / small porcupine grass
 to be expected in the far northwest corner (known from ND, Manitoba), in prairies; easily confused with *H. comata*
Hesperostipa spartea (Trin.) Barkworth / porcupine grass
 [*Hierochloa odorata* (L.) P. Beauv. see *Anthoxanthum hirtum*]
Hordeum jubatum L. subsp. *jubatum* / foxtail barley
Hordeum pusillum Nutt. / little barley
Hordeum vulgare L. / common barley; Nepal barley
 native to Europe
 [*Hystrix patula* Moench see *Elymus hystrix*]
 [*Koeleria cristata* Pers. see *K. macrantha*]
Koeleria macrantha (Ledeb.) Schult. / prairie junegrass; prairie Koeler's grass
 [*Koeleria pyramidata* (Lam.) P. Beauv. / junegrass – misapplied to North American flora, see *K. macrantha*]
Leersia lenticularis Michx. / catchfly grass
 state Special Concern list
Leersia oryzoides (L.) Sw. / rice cutgrass
 vars. not recognized
Leersia virginica Willd. / white grass; white cutgrass
 [*Leptochloa fascicularis* (Lam.) A. Gray see *L. fusca*]
Leptochloa fusca (L.) Kunth subsp. *fascicularis* (Lam.) N. Snow / bearded sprangletop
 [*Leptoloma cognatum* (Schult.) Chase see *Digitaria cognata*]
Leymus cinereus (Scribn. & Merr.) A. Löve / basin wildrye; Great Basin lymegrass
 reported for Minnesota by MN-DNR and USDA-NRCS but no specimens at MIN; known only from western Great Plains westward
Leymus racemosus (Lam.) Tzvelev / mammoth wildrye; clustered wildrye
 native to Eurasia; known only from Houston Co. (one riverbank population)
 [*Lolium arundinaceum* (Schreb.) Darbysh. see *Schedonorus arundinaceus*]
Lolium multiflorum Lam. / Italian ryegrass; English ryegrass; annual ryegrass
 [*Lolium pratense* (Huds.) Darbysh. see *Schedonorus pratensis*]
Lolium perenne L. / perennial ryegrass; English ryegrass
 native to Europe
 [var. *aristatum* Willd. see *L. multiflorum*]
Lolium temulentum L. subsp. *temulentum* / darnel ryegrass
 native to Mediterranean region; known only from Blue Earth Co. (historical collection from 1883)
Melica nitens (Scribn.) Nutt. ex Piper / three-flower melic grass; tall melic
 state Threatened list; northwest limit of distribution

Milium effusum L. var. *cisatlanticum* Fern. / American millet grass; woodland millet grass

Miscanthus sacchariflorus (Maxim.) Hack. / amur silvergrass
 native to eastern Asia; potentially invasive (first recorded naturalized population collected in 1977 in LeSueur Co.)

Muhlenbergia asperifolia (Nees & Meyen ex Trin.) Parodi / scratchgrass

Muhlenbergia cuspidata (Torr. ex Hook.) Rydb. / plains muhly

Muhlenbergia frondosa (Poir.) Fernald / wirestem muhly; swamp muhly grass

Muhlenbergia glomerata (Willd.) Trin. / spike muhly; marsh muhly; clustered muhly grass

Muhlenbergia mexicana (L.) Trin. / Mexican muhly; wirestem muhly
 var. *filiformis* (Torr.) Scribn.
 var. *mexicana*

Muhlenbergia racemosa (Michx.) Britton, Sterns & Poggenb. / satingrass; marsh muhly

Muhlenbergia richardsonis (Trin.) Rydb. / mat muhly; seep muhly

Muhlenbergia schreberi J.F. Gmel. / nimblewill; dropseed muhly grass

Muhlenbergia sobolifera (Muhl. ex Willd.) Trin. / rock muhly
 reported for Minnesota by USDA-NRCS but no specimens at MIN; known from WI, IL, IA; perhaps to be expected on limestone outcrops in the southeast corner

Muhlenbergia sylvatica (Torr.) Torr. ex A. Gray / woodland muhly; forest muhly

Muhlenbergia uniflora (Muhl.) Fernald / bog muhly; one-flowered muhly
 state Special Concern list

[*Munroa squarrosa* (Nutt.) Torr. / false buffalograss – erroneously reported for Minnesota by USDA-NRCS]

Nassella viridula (Trin.) Barkworth / green needlegrass; feather bunchgrass

Oryzopsis asperifolia Michx. / rough-leaved ricegrass; mountain ridgegrass; wintergrass

[*Oryzopsis canadensis* (Poir.) Torr. see *Piptatherum canadense*]

[*Oryzopsis hymenoides* (Roem. & Schult.) Ricker see *Achnatherum hymenoides*]

[*Oryzopsis pungens* (Torr. ex Spreng.) Hitchc. see *Piptatherum pungens*]

[*Oryzopsis racemosa* (Sm.) Ricker ex Hitchc. see *Piptatherum racemosum*]

[*Panicum boreale* Nash see *Dichanthelium boreale*]

Panicum capillare L.
 subsp. *capillare* / witch grass
 [var. *agreste* Gattinger see subsp. *capillare*]

[*Panicum columbianum* Scribn. var. *columbianum* see *Dichanthelium acuminatum* subsp. *columbianum*]

[*Panicum columbianum* Scribn. var. *commonsianum* (Ashe) McNeill & Dore see *Dichanthelium ovale* subsp. *pseudopubescens*]

[*Panicum commonsianum* Ashe see *Dichanthelium ovale* subsp. *pseudopubescens*]

[*Panicum depauperatum* Muhl. see *Dichanthelium depauperatum*]

[*Panicum depauperatum* Muhl. var. *perlongum* (Nash) B. Boivin see *Dichanthelium perlongum*]

Panicum dichotomiflorum Michx. subsp. *dichotomiflorum* / fall panicgrass

Panicum flexile (Gattinger) Scribn. / wiry panicgrass
 reported for Minnesota by USDA-NRCS but no specimens at MIN; known from adjacent states

[*Panicum gattingeri* Nash see *P. philadelphicum* subsp. *gattingeri*]

[*Panicum lanuginosum* Elliott var. *fasciculatum* (Torr.) Fernald see *Dichanthelium acuminatum* subsp. *fasciculatum*]

[*Panicum lanuginosum* Elliott var. *implicatum* (Scribn.) Fernald see *Dichanthelium acuminatum* subsp. *implicatum*]

[*Panicum lanuginosum* Elliott var. *lindheimeri* (Nash) Fernald see *Dichanthelium acuminatum* subsp. *lindheimeri*]

[*Panicum lanuginosum* Elliott var. *praecocius* (Hitchc. & Chase) McNeill & Dorr see *Dichanthelium ovale* subsp. *praecocius*]

[*Panicum lanuginosum* Elliott var. *tennesseense* (Ashe) Gleason see *Dichanthelium acuminatum* subsp. *fasciculatum* (Torr.) Freckmann & Lelong]

[*Panicum latifolium* L. see *Dichanthelium latifolium*]

[*Panicum leibergii* (Vasey) Scribn. see *Dichanthelium leibergii*]

[*Panicum leucothrix* Nash / rough panicgrass – misapplied to our flora, fide WIS FLORA (not included in FNA) see *Dichanthelium acuminatum* subsp. *implicatum*]

[*Panicum linearifolium* Scribn. see *Dichantherium linearifolium*]
 [*Panicum meridionale* Ashe see *Dichantherium acuminatum* subsp. *implicatum* fide WIS FLORA, not
 Included in FNA]
Panicum miliaceum L. / broomcorn millet; proso millet
 native to Asia, 1st collected 1947, St. Louis Co., doubtfully persisting
 subsp. *miliaceum*
 subsp. *ruderales* (Kitag.) Tzvelev – reported for Minnesota by USDA-NRCS but no specimens at MIN
 [*Panicum oligosanthos* Schult. var. *oligosanthos* see *Dichantherium oligosanthos*
 subsp. *oligosanthos*]
 [*Panicum oligosanthos* Schult. var. *scribnerianum* (Nash) Fernald see *Dichantherium oligosanthos*
 subsp. *scribnerianum*]
 [*Panicum perlongum* Nash see *Dichantherium perlongum*]
Panicum philadelphicum Bernh. ex Trin. / Philadelphia panicgrass
 [subsp. *gattingeri* (Nash) Freckmann & Lelong – erroneously reported for Minnesota
 by USDA-NRCS; known from IA, IL]
 subsp. *philadelphicum*
 [*Panicum praecocius* Hitchc. & Chase see *Dichantherium ovale* subsp. *praecocius*]
 [*Panicum subvillosum* Ashe see *Dichantherium acuminatum* subsp. *fasciculatum*]
 [*Panicum villosissimum* Nash
 var. *villosissimum* see *Dichantherium ovale* subsp. *villosissimum*
 var. *pseudopubescens* (Nash) Fernald see *Dichantherium ovale* subsp. *pseudopubescens*]
Panicum virgatum L. / switchgrass
 vars. not recognized
 [*Panicum wilcoxianum* Vasey see *Dichantherium wilcoxianum*]
 [*Panicum xanthophysum* A. Gray see *Dichantherium xanthophysum*]
Pascopyrum smithii (Rydb.) Barkworth & D.R. Dewey / western wheatgrass
 probably not native as known to have originated in sagebrush deserts of western North America;
 considered a possible hybrid of *Leymus triticoides* and *Elymus lanceolatus* fide M. Barkworth
 [*Paspalum ciliatifolium* Michx. see *P. setaceum*]
Paspalum setaceum Michx. / thin paspalum; hairy bead grass
 [var. *ciliatifolium* (Michx.) Vasey – misapplied to our flora, see var. *muhlenbergii*]
 var. *muhlenbergii* (Nash) D.J. Banks
 var. *stramineum* (Nash) D.J. Banks; possibly occurring in Minnesota (known from WI) but
 no specimens at MIN
 [*Pennisetum glaucum* (L.) R. Br. / pearl millet – misapplied to our flora, see *Setaria pumila*]
Phalaris arundinacea L. / reed canarygrass
 disagreement exists as to whether native or alien forms occur; USDA-NRCS considers this a native
Phalaris canariensis L. / annual canarygrass; birdseed grass
 native to southern Europe; introduced with bird seed but doubtfully persisting
Phleum pratense L. subsp. *pratense* / timothy
 native to Europe
Phragmites australis (Cav.) Trin. ex Steud. / common reed; giant reed; reed grass
 can be aggressive; many of our specimens appear to be hybrids between the two subsp., both
 of which secrete gallic acid toxic to plant roots (though the introduced form secretes much
 more concentrated amounts)
 subsp. *americanus* Saltonstall
 subsp. *australis* – native to Europe
Piptatherum canadense (Poir.) Dorn / Canadian ricegrass
 range extension from Manitoba and WI
Piptatherum pungens (Torr.) Dorn / mountain ricegrass; sharp-pointed ricegrass
Piptatherum racemosum (Sm.) Eaton / black-seed ricegrass; black-fruited ricegrass
Poa alpina L. subsp. *alpina* / alpine bluegrass
 report from Lake Co. not yet verified
Poa alsodes A. Gray / grove bluegrass; wood bluegrass
Poa annua L. / annual bluegrass; speargrass
 native to Eurasia

Poa arida Vasey / plains bluegrass; prairie bluegrass
Poa bulbosa L. subsp. *vivipara* (Koel.) Arcang. / bulbous bluegrass
 native to Europe
Poa chaixii Vill. / broadleaf bluegrass; tall bluegrass
 native to northern Europe; known only from St. Louis Co. (Duluth area; last collected 1949)
Poa compressa L. / Canada bluegrass; flat-stem bluegrass
 native to Europe
Poa glauca Vahl / glaucous bluegrass; pale bluegrass; woolly bluegrass
 subsp. *glauca*
 [subsp. *glaucantha* (Gaud.) Lindm. see subsp. *glauca*]
Poa interior Rydb. / inland bluegrass
 [*Poa languida* Hitchc. see *P. saltuensis* subsp. *languida*]
Poa nemoralis L. / wood bluegrass; forest bluegrass; sylvan bluegrass
 native to Europe; known only from St. Louis Co. (last collected 1945)
 [subsp. *interior* (Rydb.) W.A. Weber see *P. interior*]
Poa paludigena Fern. & Wieg. / bog bluegrass; marsh bluegrass
 state Threatened list; northwest limit of distribution
Poa palustris L. / waterfowl meadow grass; fowl bluegrass; meadow bluegrass
Poa pratensis L. / Kentucky bluegrass
 only the subspecies found in the arctic and subarctic are proven North American natives,
 others have yet to be fully evaluated; numerous cultivars have also been produced and add to
 the complexity
 subsp. *agassizensis* (B. Boivin & D. Löve) Roy L. Taylor & MacBryde – possibly
 native or a derivative of cultivated forms; prairie habitats
 subsp. *angustifolia* (L.) Lej. – native to western Eurasia
 subsp. *pratensis* – widespread; probably not native
Poa saltuensis Fern. & Wieg. / old-pasture bluegrass; pasture bluegrass
 subsp. *languida* (Hitchc.) A. Haines
 subsp. *saltuensis*
 [*Poa scopulorum* Butters & Abbe see *P. glauca*]
Poa secunda J. Presl subsp. *juncifolia* (Scribn.) Soreng / Sandberg bluegrass; curly bluegrass
 reported for Minnesota by USDA-NRCS and NatureServe but no specimens at MIN; known
 from ND, SD, and Canada
Poa sylvestris A. Gray / woodland bluegrass; forest bluegrass
 [*Poa x tormentuosa* Butters & Abbe see *P. glauca*]
Poa trivialis L. subsp. *trivialis* / rough bluegrass; rough-stalk meadow grass
 native to Europe
Poa wolfii Scribn. / Wolf's bluegrass
 state Special Concern list
Polypogon monspeliensis (L.) Desf. / annual rabbit's-foot grass
 native of Europe; known only from Polk Co. (one agricultural population),
 doubtfully persisting
Psathyrostachys juncea (Fisch.) Nevski / Russian wildrye; Asian wildrye
 native to Asia; known only from Goodhue Co. (one roadside population);
 reports in FNA from southwestern counties not verified
Puccinellia distans (Jacq.) Parl. / weeping alkaligrass; European alkaligrass
 native to Eurasia
Puccinellia nuttalliana (Schult.) Hitchc. / Nuttall's alkaligrass
 [*Puccinellia pallida* (Torr.) R.T. Clausen see *Torreyochloa pallida*]
Schedonnardus paniculatus (Nutt.) Trel. / tumblegrass
 state Special Concern list
Schedonorus arundinaceus (Schreb.) Dumort. / meadow ryegrass; tall fescue
 native to Eurasia
 [*Schedonorus phoenix* (Scop.) Holub see *S. arundinaceus*]
Schedonorus pratensis (Huds.) P. Beauv. / meadow fescue; meadow ryegrass
 native to Europe

Schizachne purpurascens (Torr.) Swallen / false melic; false melicgrass
 vars. not recognized
Schizachyrium scoparium (Michx.) Nash var. *scoparium* / little bluestem
Scolochloa festucacea (Willd.) Link / common rivergrass; whitetop; sprangletop
Secale cereale L. / cereal rye; cultivated rye
 native to Europe
Setaria faberi R.A.W. Herrm. / Japanese bristlegrass; giant foxtail; Chinese foxtail
 native to China, 1st collected 1957, Blue Earth Co.
 [*Setaria glauca* (L.) P. Beauv. see *S. pumila*]
Setaria italica (L.) P. Beauv. / foxtail bristlegrass; foxtail millet
 native to Eurasia
 [*Setaria lutescens* (Weigel) Hubbard / yellow foxtail – misapplied to North American flora, see *S. pumila*]
Setaria pumila (Poir.) Roem. & Schult. / yellow foxtail; pearl millet
 native to Europe
 subsp. *pumila*
 subsp. *pallidifusca* (Schumach.) B.K. Simon – known only from Anoka Co. (one road edge
 population)
Setaria verticillata (L.) P. Beauv. / hooked bristlegrass; bristly foxtail
 native to Europe
Setaria viridis (L.) P. Beauv. / green bristlegrass; green foxtail
 native to Eurasia now a cosmopolitan weed
 var. *major* (Gaudin) Peterm.
 var. *viridis*
Sorghastrum nutans (L.) Nash / Indian grass
Sorghum x alnum Parodi (*S. bicolor* x *halepense*) / Columbus grass
 native to Argentina; reported for Minnesota by MN-DNR but no specimens
 at MIN; known from Dane Co. WI
Sorghum bicolor (L.) Moench ssp. *drummondii* (Nees ex Steud.) de Wet & Harlan / Sudan grass
 native to Africa; known only from Lincoln Co. (one field-edge population) but doubtfully persisting
 [*Sorghum sudanense* (Piper) Stapf see *S. bicolor*]
Spartina gracilis Trin. / alkali cordgrass
Spartina pectinata Link / prairie cordgrass; santu'hu tan'ka (Lakota)
Sphenopholis intermedia (Rydb.) Rydb. / prairie wedgescale; slender wedgegrass
Sphenopholis obtusata (Michx.) Scribn. / prairie wedgescale; prairie wedgegrass
 [var. *major* (Torr.) Erdman see *Sphenopholis intermedia*]
 [*Sporobolus asper* (Michx.) Kunth see *S. compositus*]
Sporobolus compositus (Poir.) Merr. var. *compositus* / composite dropseed; rough dropseed
Sporobolus cryptandrus (Torr.) A. Gray / sand dropseed
 vars. not recognized
Sporobolus heterolepis (A. Gray) A. Gray / prairie dropseed; northern dropseed
Sporobolus neglectus Nash / puffsheath dropseed; small dropseed; annual dropseed
Sporobolus vaginiflorus (Torr. ex A. Gray) Alph. Wood var. *vaginiflorus* / poverty dropseed; poverty grass
 [*Stipa comata* Trin. & Rupr. see *Hesperostipa comata*]
 [*Stipa spartea* Trin. see *Hesperostipa spartea*]
 [*Stipa viridula* Trin. see *Nassella viridula*]
Torreyochloa pallida (Torr.) Church / pale false mannagrass; Torrey's mannagrass
 state Special Concern list
 subsp. *fernaldii* (Hitchc.) Dore
 subsp. *pallida*
Tridens flavus (L.) Hitchc. var. *flavus* / purpletop tridens; tall redtop
 reported for Minnesota by USDA-NRCS but no specimens at MIN; known from IA, WI; perhaps
 to be expected in the far southeastern corner
Triplasis purpurea (Walter) Chapm. var. *purpurea* / purple sandgrass
 state Special Concern list
Trisetum spicatum (L.) K. Richt. / spike trisetum
Triticum aestivum L. / common wheat; bread wheat

native to Eurasia; occasionally persisting near cultivated fields
Vulpia octoflora (Walter) Rydb. / six-weeks fescue; eight-weeks fescue
var. *glauca* (Nutt.) Fernald
var. *octoflora* – widespread in US and reported for Minnesota by Flora of the Great Plains
(one specimen from Anoka Co., collected 1915, exhibits some of the characteristics
of this variety)

Zea mays L. / corn
occasionally found along roadsides in farming areas; not persisting

Zizania aquatica L. / annual wild rice; southern wild rice
var. *aquatica* – reported for western counties by FNA but probably based on misidentified
specimens; no specimens at MIN
[var. *angustifolia* A.S. Hitchc. see *Z. palustris* var. *palustris*]
[var. *interior* Fassett see *Z. palustris* var. *interior*]

Zizania palustris L. / northern wild rice; mahnomen (Dakota)
var. *interior* (Fassett) Dore
var. *palustris*

Podostemaceae

Podostemum ceratophyllum Michx. / horfleaf riverweed
reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario, MI, ND

Polemoniaceae

Collomia linearis Nutt. / tiny trumpets; linear-leaved collomia
Phlox divaricata L. var. *laphamii* (A.W. Wood) Wherry / wild blue phlox; blue phlox; forest phlox
Phlox drummondii Hook. / annual phlox
reported for Minnesota by Ownbey & Morley 1991 (as a rare garden escape) but no specimens
at MIN; doubtfully persisting
Phlox maculata L. / wild sweet william; meadow phlox
Phlox paniculata L. / fall phlox; garden phlox
native to eastern US
Phlox pilosa L. var. *fulgida* (Wherry) Wherry / downy phlox; prairie phlox
Phlox subulata L. var. *subulata* / moss phlox; ground-pink
native to eastern US
Polemonium caeruleum L. / charity
native to Europe; reported for Minnesota by Lakela 1965 but no specimens at MIN
Polemonium occidentale Greene subsp. *lacustre* Wherry / western polemonium; western
jacob's-ladder
state Endangered list
Polemonium reptans L. / Greek-valerian; spreading jacob's-ladder

Polygalaceae

Polygala cruciata L. / drumheads; cross-leaf milkwort
state Endangered list; northwest limit of distribution
Polygala paucifolia Willd. / gaywings; fringed milkwort
Polygala polygama Walter var. *obtusata* Chodat / racemed milkwort; bitter milkwort
Polygala sanguinea L. / purple milkwort; blood milkwort
Polygala senega L. / Seneca snakeroot; Seneca milkwort
Polygala verticillata L. var. *isocycla* Fernald / whorled milkwort

Polygonaceae [fide FNA 2005, vol. 5]

The genus *Polygonum* has been divided into several genera distinguished, in part, on the
basis of the outer tepals winged, keeled, or neither and whether the ocreae are chartaceous
or hyaline; this has resulted in numerous name changes and generic realignments.

Bistorta vivipara (L.) Delarbre / alpine bistort; serpent-grass
state Special Concern list; reproduces mostly asexually
[*Eriogonum angulosum* Benth. / anglestem buckwheat – erroneously reported for Minnesota by USDA-NRCS]

Eriogonum annuum Nutt. / annual wild buckwheat; annual eriogonum
 native to western Great Plains; known only from Sherburne Co. (Sherburne National
 Wildlife Refuge), apparently introduced with roadside plantings
 vars. not recognized

Fagopyrum esculentum Moench / buckwheat
 native to China

Fallopia x bohémica (Chrték & Chrtková) J.P. Bailey (*F. japonica x sachalinensis*) / Bohemian
 knotweed; hybrid Japanese knotweed
 native to Europe; known only from St. Louis Co. (Duluth area)

Fallopia cilinodis (Michx.) Holub / fringed black-bindweed; fringed false buckwheat

Fallopia convolvulus (L.) A. Löve / black-bindweed; false wild buckwheat
 native to Eurasia, 1st collected 1879, Cook Co.

Fallopia dumetorum (L.) Holub / corpse bindweed; climbing false buckwheat
 native to Eurasia; to be expected on disturbed sites along forest edges (known from IA, WI
 and MI); easily and often confused with *F. scandens*

Fallopia japonica (Houtt.) Ronse Decraene var. *japonica* / Japanese knotweed; laceflower; Mexican-bamboo
 native to southeast Asia

[*Fallopia sachalinensis* (F. Schmidt) Ronse Decraene / giant knotweed – erroneously reported
 for Minnesota by USDA-NRCS, previous reports based on misidentified specimens]

Fallopia scandens (L.) Holub / climbing false buckwheat; climbing knotweed

Persicaria amphibia (L.) A. Gray / water knotweed; water smartweed
 vars. not formally recognized in FNA but acknowledged as being somewhat distinctive
 (var. *emersa* (Michx.) J.C. Hickman)
 (var. *stipulacea* (N. Coleman) H. Hara)

Persicaria arifolia (L.) K. Haraldson / halberd-leaf tearthumb

Persicaria bungeana (Turcz.) Nakai / Bunge's smartweed; prickly smartweed; hybrid knotweed
 native to Eurasia

Persicaria careyi (Olney) Greene / Carey's smartweed
 state Special Concern list, western limit of distribution; known only from Carlton Co.
 (one roadside population, last collected 1940)

Persicaria hydropiper (L.) Spach / marshpepper knotweed; marsh water-pepper; common smartweed
 native to Europe; oily glands can cause skin irritation; sometimes confused with *P. punctata*

Persicaria hydropiperoides (Michx.) Small / swamp smartweed; mild water-pepper
 highly variable in appearance

Persicaria lapathifolia (L.) A. Gray / curlytop knotweed; pale smartweed; nodding smartweed
 highly variable in appearance

Persicaria longiseta (Brujin) Kitag. / Oriental lady's-thumb; bristly lady's-thumb
 native to eastern Asia; known only from Wabasha Co. (one streamside population)

Persicaria maculosa A. Gray / spotted lady's-thumb; lady's-thumb
 native to Eurasia, Africa and Oceania, 1st collected 1877, Hennepin Co.; may cause skin irritation

Persicaria orientalis (L.) Spach / kiss-me-over-the-garden-gate; princess feather; prince's feather
 native to India

Persicaria pennsylvanica (L.) M. Gómez / Pennsylvania smartweed; pinkweed
 highly variable in appearance; may cause skin irritation

Persicaria punctata (Elliott) Small / dotted smartweed; water knotweed
 vars. not recognized

Persicaria sagittata (L.) H. Gross / arrow-leaf tearthumb
 highly variable in appearance

Persicaria virginiana (L.) Gaertn. / jumpseed; Virginia knotweed

Polygonella articulata (L.) Meisn. / coastal jointweed; coast jointweed

Polygonum achoreum S.F. Blake / leathery knotweed; blue knotweed

[*Polygonum amphibium* L. see *Persicaria amphibia*]

[*Polygonum arenastrum* Boreau see *Polygonum aviculare* subsp. *depressum*]

[*Polygonum arifolium* L. see *Persicaria arifolia*]

Polygonum aviculare L. / prostrate knotweed; common knotweed; yard knotweed
 subsp. *aviculare* – native to Eurasia

subsp. *buxiforme* (Small) Costea & Tardif
 subsp. *depressum* (Meisn.) Arcang. – native to Europe
 subsp. *neglectum* (Besser) Arcang. – native to Europe
 subsp. *ruvavagum* (Jord. ex Boreau) Berher – native to Europe; possibly occurring in Minnesota
 (known from IA, SD, and Manitoba, in disturbed places)
 [*Polygonum bellardii* All. see *Polygonum aviculare* subsp. *neglectum*]
 [*Polygonum x bohemicum* (Chrték & Chrtková) Zika & A.L. Jacobson see *Fallopia x bohémica*]
 [*Polygonum bungeanum* Turcz. see *Persicaria bungeana*]
 [*Polygonum buxiforme* Small see *Polygonum aviculare* subsp. *buxiforme*]
 [*Polygonum careyi* Olney see *Persicaria careyi*]
 [*Polygonum cespitosum* Blume / Oriental lady's thumb – misapplied to our flora, see *Persicaria longiseta*]
 [*Polygonum cilinode* Michx. see *Fallopia cilinodis*]
 [*Polygonum coccineum* (Muhl. ex Willd.) Greene see *Persicaria amphibia* var. *emersa*]
 [*Polygonum convolvulus* L. see *Fallopia convolvulus*]
 [*Polygonum cristatum* Engelm. & A. Gray see *Fallopia scandens*]
 [*Polygonum cuspidatum* Sieb. & Zucc. see *Fallopia japonica*]
Polygonum douglasii Greene / Douglas' knotweed
 [*Polygonum dubium* Stein see *Persicaria maculosa*]
 [*Polygonum dumetorum* L. see *Fallopia dumetorum*]
Polygonum erectum L. / erect knotweed
 [*Polygonum hydropiper* L. see *Persicaria hydropiper*]
 [*Polygonum hydropiperoides* Michx. see *Persicaria hydropiperoides*]
 [*Polygonum lapathifolium* L. see *Persicaria lapathifolia*]
 [*Polygonum orientale* L. see *Persicaria orientalis*]
 [*Polygonum pensylvanicum* L. see *Persicaria pensylvanica*]
 [*Polygonum persicaria* L. see *Persicaria maculosa*]
 [*Polygonum punctatum* Elliott see *Persicaria punctata*]
Polygonum ramosissimum Michx. / bushy knotweed; yellow-flower knotweed
 most of our specimens have not been identified to subspecific level
 subsp. *prolificum* (Small) Costea & Tardif – known only from Lac Qui Parle Co.
 subsp. *ramosissimum*
 [*Polygonum sachalinense* F. Schmidt ex Maxim. see *Fallopia sachalinensis*]
 [*Polygonum sagittatum* L. see *Persicaria sagittata*]
 [*Polygonum scabrum* Moench see *Persicaria lapathifolia*]
 [*Polygonum scandens* L. see *Fallopia scandens*]
Polygonum tenue Michx. / pleat-leaf knotweed; pleated knotweed; slender knotweed
 [*Polygonum virginianum* L. see *Persicaria virginiana*]
 [*Polygonum viviparum* L. see *Bistorta vivipara*]
Rheum rhabarbarum L. / garden rhubarb
 native to Siberia; leaf blades toxic to humans and animals
Rumex acetosa L. / garden sorrel; common sorrel; green sorrel
 native to Eurasia and northwest Africa; occasionally misidentified as *R. acetosella*
Rumex acetosella L. / common sheep sorrel; red sorrel
 native to Eurasia; polyploidy complex highly variable in appearance
 [*Rumex x acutus* L. see *R. x pratensis*]
Rumex alpinus L. / monk's-rhubarb; alpine dock; patience dock
 native to Eurasia; known only from Cook Co.; only known specimen at UWSP
Rumex altissimus Alph. Wood / pale dock; tall water dock
 [*Rumex aquaticus* L. var. *fenestratus* (Greene) Dorn see *R. occidentalis*]
Rumex britannica L. / greater water dock; British dock
Rumex crispus L. / curly dock; yellow dock
 native to Eurasia, 1st collected 1877, Hennepin Co.
Rumex fueginus Phil. / golden dock
 frequently misidentified as *R. maritimus*, which is native to Eurasia and known from
 Alaska and Yukon and rarely appearing elsewhere
Rumex longifolius DC. / dooryard dock; domestic dock

native to Eurasia

[*Rumex maritimus* L. var. *fueginus* (Phil.) Hultén see *R. fueginus*]

[*Rumex mexicanus* Meisn. / Mexican dock – misapplied to our flora, see *R. triangulivalvis*]

Rumex obtusifolius L. / bitter dock; blunt-leaf dock

native to Eurasia

vars. not recognized

Rumex occidentalis S. Watson / western dock

reported for Minnesota by FNA but no specimens at MIN; known from Canada, ND, SD, IA;

weedy in wet meadows, bogs, on riverbanks, etc.; frequently misidentified as *R. longifolius*

[*Rumex orbiculatus* A. Gray see *R. britannica*]

Rumex patientia L. / patience dock

native to Eurasia

Rumex x pratensis Mert. & Koch (*R. crispus* x *obtusifolius*) / dock

common sterile hybrid to be expected on disturbed sites if parents nearby

Rumex pseudonatronatus (Borbás) Murbeck / field dock; Finnish dock

native to Eurasia; frequently misidentified as *R. longifolius* and sometimes *R. crispus*

[*Rumex salicifolius* Weinm. / willow dock – misapplied to our flora, see *R. triangulivalvis*]

Rumex sanguineus L. / redvein dock

native to Africa and Eurasia; reported for Minnesota by USDA-NRCS but no specimens at MIN

Rumex stenophyllus Ledeb. / narrow-leaf dock

native to Eurasia

Rumex triangulivalvis (Danser) Rech.f. / willow dock; triangle-valve dock

Rumex venosus Pursh / veiny dock

reported for Minnesota by FNA but no specimens at MIN, known from Manitoba, ND, SD,

IA and WI; weedy on sandy soils

Rumex verticillatus L. / swamp dock; whorled water dock

[*Tovara virginiana* (L.) Raf. see *Persicaria virginiana*]

Pontederiaceae [fide FNA 2002, vol. 3]

Eichhornia crassipes (Mart.) Solms / common water-hyacinth

native to tropical Americas; reported from Winona Co. but no specimens at MIN; unlikely to be persisting

Heteranthera dubia (Jacq.) MacMill. / grassleaf mud-plantain; water stargrass

Heteranthera limosa (Sw.) Willd. / blue mud-plantain

state Threatened list; northeast limit of distribution

Pontederia cordata L. / pickerelweed

[*Zosterella dubia* (Jacq.) Small see *Heteranthera dubia*]

Portulacaceae [fide FNA 2003, vol. 4]

Claytonia caroliniana Michx. / Carolina spring beauty

state Special Concern list

Claytonia virginica L. / Virginia spring beauty; eastern spring beauty; miskodeed (Dakota and others)

Montia chamissoi (Ledeb. ex Spreng.) Greene / water miner's-lettuce; montia; Chamisso's montia

state Endangered list, disjunct from Rocky Mountains; known only from Winona Co.

Phemeranthus parviflorus (Nutt.) Kiger / sunbright; prairie fameflower; small-flowered fameflower

Phemeranthus rugospermus (Holz.) Kiger / prairie fameflower; rough-seed fameflower; sand fameflower

state Endangered list; northern limit of distribution

Portulaca grandiflora Hook. / rose-moss; moss-rose

native to South America; reported for Minnesota by FNA as escaping and naturalizing

near gardens but no specimens at MIN

Portulaca oleracea L. / little hogweed; common purslane

native to southern Eurasia; some ethnobotanical evidence suggests this was

introduced to the western hemisphere in pre-Columbian times; known to have the highest

antioxidant content of any leafy plant examined

[*Talinum parviflorum* Nutt. see *Phemeranthus parviflorus*]

[*Talinum rugospermum* Holz. see *Phemeranthus rugospermus*]

Potamogetonaceae [fide FNA 2000, vol. 22]

[*Coleogeton filiformis* (Pers.) D.H. Les & R.R. Haynes see *Stuckenia filiformis*]

[*Coleogeton pectinatus* (L.) D.H. Les & R.R. Haynes see *Stuckenia pectinata*]

[*Coleogeton vaginatus* (Turcz.) D.H. Les & R.R. Haynes see *Stuckenia vaginata*]

Potamogeton alpinus Balb. / alpine pondweed; red pondweed; northern pondweed
vars. not recognized

Potamogeton amplifolius Tuck. / large-leaf pondweed; water-cabbage

Potamogeton bicupulatus Fernald / snail-seed pondweed

state Endangered list; disjunct from eastern US

Potamogeton confervoides Reichenbach / Tuckerman's pondweed

westernmost limit of distribution, known only from St. Louis Co.

Potamogeton crispus L. / curly pondweed

native to Eurasia; on MN-DNR Prohibited Invasive Species list; 1st collected 1929, Hennepin Co.

Potamogeton diversifolius Raf. / waterthread pondweed; diverse-leaved pondweed

state Endangered list

[var. *trichophyllus* Morong see *P. bicupulatus*]

Potamogeton ephydrus Raf. / ribbonleaf pondweed

[*Potamogeton filiformis* Pers. see *Stuckenia filiformis*]

Potamogeton foliosus Raf. subsp. *foliosus* / leafy pondweed

Potamogeton friesii Rupr. / Fries' pondweed; flat-stalk pondweed

Potamogeton gramineus L. / variable leaf pondweed; grassy pondweed; grass-leaved pondweed

Potamogeton x haynesii Hellq. & G.E. Crow (*P. strictifolius x zosteriformis*) / no USDA name;

Haynes' hybrid pondweed

only known specimen from Minnesota deposited at GH

Potamogeton illinoensis Morong / Illinois pondweed

[*Potamogeton lateralis* Morong – an invalid name based on mixed collections of *P. pusillus* and *P. vaseyi*]

Potamogeton natans L. / floating-leaf pondweed; floating pondweed

Potamogeton nodosus Poir. / long-leaf pondweed; American pondweed

Potamogeton oakesianus J.W. Robbins / Oakes' pondweed

Potamogeton obtusifolius Mert. & W.D.J. Koch / blunt-leaf pondweed

[*Potamogeton pectinatus* L. see *Stuckenia pectinata*]

Potamogeton praelongus Wulfen / white-stem pondweed

Potamogeton pulcher Tuck. / spotted pondweed

disjunct from eastern US; known only from Clearwater and Cass counties

Potamogeton pusillus L. / small pondweed; slender pondweed; very small pondweed

subsp. *pusillus*

subsp. *tenuissimus* (Mert. & W.D.J. Koch) R.R. Haynes & Hellq.

Potamogeton richardsonii (A. Benn.) Rydb. / Richardson's pondweed; red-head pondweed

Potamogeton robbinsii Oakes / Robbins' pondweed; fern pondweed

Potamogeton x spathuliformis (J.W. Robbins) Morong (*P. gramineus x illinoensis*) / no USDA name

known only from St. Louis Co. (last collected 1940)

Potamogeton spirillus Tuck. / spiral pondweed; northern snailseed pondweed; coiled pondweed

Potamogeton strictifolius A. Benn. / narrow-leaf pondweed; straight-leaf pondweed

[*Potamogeton vaginatus* Turcz. see *Stuckenia vaginata*]

Potamogeton vaseyi J.W. Robbins / Vasey's pondweed

state Special Concern list

Potamogeton zosteriformis Fernald / flat-stem pondweed

Stuckenia filiformis (Pers.) Börner / fine-leaf pondweed; thread-leaf pondweed; filiform pondweed

subsp. *alpina* (Blytt) R.R. Haynes, Les & M. Král

subsp. *occidentalis* (J.W. Robbins) R.R. Haynes, D.H. Les & M. Král

Stuckenia pectinata (L.) Börner / sago pondweed; fennel-leaf pondweed

Stuckenia vaginata (Turcz.) Holub / sheathed pondweed; big-sheath pondweed

state Special Concern list (last collected 1956)

Zannichellia palustris L. / horned-pondweed

Primulaceae [fide FNA 2009, vol. 8]

[*Anagallis* see *Lysimachia*, Myrsinaceae]

Androsace occidentalis Pursh / western rock-jasmine; western androsace

Androsace septentrionalis L. / pygmy-flower rock-jasmine; northern androsace
state Special Concern list

[*Centunculus* see *Lysimachia*, Myrsinaceae]

Dodecatheon has recently been shown to belong to a subgroup within *Primula* (subg. *Auriculatum*; allied with *Primula suffrutescens* of the Sierra Nevada) and is separated from other primulas by homostyly and buzz pollination, among other traits. This new alignment is acknowledged in FNA, though *Dodecatheon* is retained. The *Primula* names are included here for reference.

Dodecatheon amethystinum (Fassett) Fassett or *Primula fassettii* Mast & Reveal / jeweled shooting star; dark-throated shooting star
known only from the southeastern corner of the state

Dodecatheon meadia L. or *Primula meadia* (L.) Mast & Reveal / pride-of-Ohio; prairie shooting star
state Endangered list; known only from Mower Co. distinguished from
D. amethystinum only on the basis of the color and size of mature capsules

[*Dodecatheon radicum* Greene / dark-throat shooting star – a synonym of *D. pulchellum* and misapplied to our flora, see *D. amethystinum*, and further discussion in FNA]

[*Glaux* see *Lysimachia*, Myrsinaceae]

[*Lysimachia* see Myrsinaceae]

Primula mistassinica Michx. / Mistassini primrose; bird's-eye primrose
vars. not recognized

[*Trientalis* see *Lysimachia*, Myrsinaceae]

Pyrolaceae see Ericaceae

R

Ranunculaceae [fide FNA 1997, vol. 3]

Aconitum napellus L. / Venus' chariot; monkshood

native to Europe; known only from Cook Co. (one roadside population)

[*Actaea alba* (L.) Mill. see *A. pachypoda*]

Actaea pachypoda Elliott / doll's eyes; white baneberry
plants poisonous

Actaea rubra (Aiton) Willd. / red baneberry
plants poisonous

Anemone acutiloba (DC.) G. Lawson / sharp-lobed hepatica; liverwort

Anemone americana (DC.) H. Hara / round-lobed hepatica; liverwort

Anemone canadensis L. / Canada anemone; round-leaf tumbleweed

Anemone caroliniana Walter / Carolina anemone; Carolina tumbleweed; thimbleweed

Anemone cylindrica A. Gray / candle anemone; long-headed thimbleweed

Anemone halleri All. / no USDA name; glacial anemone

native to Europe; known only from Freeborn Co., introduced with prairie planting

Anemone multifida Poir. var. *multifida* / Pacific anemone; cut-leaf anemone; red windflower
known only from Mahanomen Co. (one roadside population, last collected 1941)

Anemone patens L. var. *multifida* Pritz. / eastern pasque flower; prairie-smoke
plants poisonous

Anemone quinquefolia L.

[var. *bifolia* Farwell see var. *quinquefolia*]

var. *quinquefolia* / two-leaf anemone; wood anemone; nightcaps

[*Anemone riparia* Fernald see *A. virginiana* var. *alba*]

Anemone virginiana L. / tall thimbleweed

var. *alba* (Oakes) A.W. Wood

var. *cylindroidea* B. Boivin – reported for northern Minnesota by FNA but no specimens at MIN;
known from Saskatchewan and Manitoba

var. *virginiana*

[*Anemonella thalictroides* (L.) Spach see *Thalictrum thalictroides*]
 [*Aquilegia brevistyla* Hook. / small-flower columbine – erroneously reported for Minnesota by USDA-NRCS; previous reports based on misidentified specimens]
Aquilegia canadensis L. / red columbine
Aquilegia vulgaris L. / European columbine
 native to Europe; reported as a garden escape for Minnesota by FNA but no specimens at MIN
Caltha natans Pall. / floating marsh-marigold
 state Endangered list; southern limit of distribution; known only from St. Louis Co.
Caltha palustris L. / yellow marsh-marigold; common marsh-marigold; cow slip
 [*Ceratocephala testiculata* (Crantz) Roth see *Ranunculus testiculatus*]
Clematis occidentalis (Hornem.) DC. var. *occidentalis* / western blue virgin's-bower; purple clematis
Clematis terniflora DC. / sweet autumn virgin's-bower; yam-leaf clematis; autumn clematis
 native to eastern Asia; known only from St. Louis Co. (Duluth area)
 [*Clematis verticillaris* DC. see *C. occidentalis*]
Clematis virginiana L. / devil's darning needles; virgin's-bower
 may cause severe skin irritation
Consolida ajacis (L.) Schur / doubtful knight's-spur; larkspur
 native to Europe and Africa; known only from Polk Co. (historical collection from 1882), probably escaped from cultivation
 [*Coptis groenlandica* (Oeder) Fernald see *C. trifolia*]
Coptis trifolia (L.) Salisb. / three-leaf goldthread
Delphinium carolinianum Walter subsp. *virescens* (Nutt.) R.E. Brooks / Carolina larkspur; plains larkspur
 plants toxic
 [*Delphinium tricornis* Michx. / dwarf larkspur – erroneously reported for Minnesota by USDA-NRCS; known from southern IA south- and eastward]
 [*Delphinium virescens* Nutt. see *D. carolinianum*]
Enemion biternatum Raf. / eastern false rue-anemone
 [*Hepatica acutiloba* DC. see *Anemone acutiloba*]
 [*Hepatica americana* (DC.) Ker Gawl. see *Anemone americana*]
 [*Hepatica nobilis* Schreb. var. *acuta* (Pursh) Steyererm. see *Anemone acutiloba*]
 [*Hepatica nobilis* Schreb. var. *obtusata* (Pursh) Steyererm. see *Anemone americana*]
Hydrastis canadensis L. / goldenseal
 state Endangered list; northwest limit of distribution
 [*Isopyrum biternatum* (Raf.) Torr. & A. Gray see *Enemion biternatum*]
Myosurus minimus L. / tiny mouse-tail
Nigella damascena L. / devil-in-the-bush; love-in-a-mist
 native to Eurasia; known only from Otter Tail Co. (one weedy population), doubtfully persisting
 [*Pulsatilla nuttalliana* (DC.) Spreng. see *Anemone patens*]
 [*Pulsatilla patens* (L.) Mill. see *Anemone patens* var. *multifida*]
Ranunculus abortivus L. / little-leaf buttercup; kidney-leaf buttercup
 toxic to livestock
Ranunculus acris L. / tall buttercup; showy buttercup
 native to Eurasia, 1st collected 1878, St. Louis Co.; can cause severe skin irritation, toxic to livestock
 [*Ranunculus ambigens* S. Wats. / waterplantain spearwort – erroneously reported for Minnesota by USDA-NRCS; known from eastern IL south- and eastward]
Ranunculus aquatilis L. var. *diffusus* With. / white water crowfoot; limp white water buttercup
 [*Ranunculus circinatus* Sibth. see *R. aquatilis*]
Ranunculus cymbalaria Pursh / alkali buttercup; seaside crowfoot
 plant highly toxic
Ranunculus fascicularis Muhl. ex J.M. Bigelow / early buttercup; swamp buttercup
Ranunculus flabellaris Raf. / yellow water buttercup; large yellow water crowfoot
Ranunculus flammula L. / greater creeping spearwort; creeping buttercup
 [var. *filiformis* (Michx.) Hook. see var. *reptans*]
 [var. *flammula* – coastal variety erroneously reported for Minnesota by USDA-NRCS]
 var. *ovalis* (J.M. Bigelow) L.D. Benson
 var. *reptans* (L.) E. Mey.

Ranunculus gmelinii DC. / Gmelin's buttercup; small yellow water crowfoot
vars. not recognized

Ranunculus hispidus Michx. / bristly buttercup; swamp buttercup; hispid buttercup
var. *caricetorum* (Greene) T. Duncan
var. *nitidus* (Chapm.) T. Duncan

Ranunculus lapponicus L. / Lapland buttercup
state Special Concern list

[*Ranunculus longirostris* Godr. see *R. aquatilis*]

Ranunculus macounii Britton / Macoun's buttercup

[*Ranunculus pedatifidus* Sm. / surefoot buttercup – arctic/alpine species erroneously reported for Minnesota by USDA-NRCS]

Ranunculus pensylvanicus L.f. / Pennsylvania buttercup; bristly buttercup

Ranunculus recurvatus Poir. var. *recurvatus* / blisterwort; hooked crowfoot

Ranunculus repens L. / creeping buttercup
native to Eurasia

Ranunculus rhomboideus Goldie / Labrador buttercup; early buttercup

Ranunculus sceleratus L. / cursed buttercup; cursed crowfoot
plants highly toxic
var. *multifidus* Nutt.
var. *sceleratus*

[*Ranunculus subrigidus* W.B. Drew see *R. aquatilis*]

Ranunculus testiculatus Crantz / curved-seed buttercup; bur buttercup
native to Eurasia; known only from Rock and Freeborn counties

[*Ranunculus trichophyllus* Chaix see *R. aquatilis*]

[*Thalictrum confine* Fern. / veiny meadow-rue – misapplied to our flora, see *T. venulosum*]

Thalictrum dasycarpum Fisch. & Avé-Lall. / purple meadow-rue; tall meadow-rue

Thalictrum dioicum L. / early meadow-rue

Thalictrum revolutum DC. / waxy-leaf meadow-rue; purple meadow-rue
although FNA indicates this as widespread in northeastern Minnesota, it is known only from two populations in Lake (last collected 1914) and St. Louis counties

Thalictrum thalictroides (L.) A.J. Eames & B. Boivin / rue-anemone
roots possibly toxic

Thalictrum venulosum Trel. / veiny meadow-rue

Resedaceae [fide FNA 2010, vol. 7]

Reseda lutea L. / yellow mignonette
native to Mediterranean; invasive and possibly to be expected on disturbed sites; known from Saskatchewan, Manitoba, Ontario, IA, KS, NE, WI

Rhamnaceae

Ceanothus americanus L. var. *pitcheri* Torr. & A. Gray / New Jersey-tea; American New Jersey-tea

Ceanothus herbaceus Raf. / Jersey-tea; oval-leaved New Jersey tea; narrow-leaved New Jersey-tea

[*Ceanothus masonii* McMinn / Mason's ceanothus – CA native erroneously reported for Minnesota by USDA-NRCS]

[*Frangula alnus* Mill. see *Rhamnus frangula*]

Rhamnus alnifolia L'Hér. / alder-leaf buckthorn; dwarf-alder

Rhamnus cathartica L. / common buckthorn; European buckthorn
native to Eurasia; state DOA restricted-noxious weed, 1st collected 1937, Hennepin Co.

Rhamnus frangula L. / glossy buckthorn; alder buckthorn
native to Europe; state DOA restricted-noxious weed, 1st collected 1938, Ramsey Co.

Rosaceae

Agrimonia eupatoria L. / church steeples
native of Eurasia; reported for Minnesota by USDA-NRCS but no specimens at MIN

Agrimonia gryposepala Wallr. / tall hairy agrimony; common hairy agrimony

Agrimonia pubescens Wallr. / soft agrimony; soft groovebur

[*Argimonia rostellata* Wallr. / beaked agrimony – erroneously reported for Minnesota by Atlas of Flora of the Great Plains 1977; known from WI, IL south- and eastward]

Agrimonia striata Michx. / roadside agrimony; woodland groovebur

Amelanchier alnifolia (Nutt.) Nutt. ex M. Roem. / Saskatoon serviceberry; Saskatoon juneberry; western juneberry

Amelanchier arborea (Michx. f.) Fernald / common serviceberry; downy serviceberry

Amelanchier bartramiana (Tausch) M. Roem. / oblong-fruit serviceberry; northern juneberry; mountain serviceberry

[*Amelanchier humilis* Wiegand see *A. sanguinea*]

[*Amelanchier huronensis* Wiegand see *A. sanguinea*]

Amelanchier interior E.L. Nielsen / Pacific serviceberry; inland serviceberry; inland juneberry

Amelanchier x intermedia Spach (*A. arborea x canadensis*) / no USDA name; intermediate serviceberry swamp serviceberry

Amelanchier laevis Wiegand / Allegheny serviceberry; smooth juneberry

[*Amelanchier mucronata* E.L. Nielsen see *A. sanguinea*]

Amelanchier x neglecta Egglest. ex G.N. Jones (*A. bartramiana x laevis*) / no USDA name; neglected serviceberry

Amelanchier sanguinea (Pursh) DC. var. *sanguinea* / low serviceberry; Huron juneberry; round-leaf serviceberry

Amelanchier spicata (Lam.) K. Koch / running serviceberry; creeping juneberry; spicate serviceberry

[*Amelanchier stolonifera* Wiegand see *A. spicata*]

Amelanchier wiegandii E.L. Nielsen / Pacific serviceberry; Wiegand's juneberry

[*Argentina anserina* (L.) Rydb. see *Potentilla anserina*]

Aronia melanocarpa (Michx.) Elliott / black chokeberry

Chamaerhodos erecta (L.) Bunge / little rose; Nuttall's ground rose

[*Chamaerhodos nuttallii* Pickering ex Rydb. see *C. erecta*]

[*Comarum palustre* L. see *Potentilla palustris*]

Cotoneaster acutifolius Turcz. var. *lucidus* (Schltdl.) L.T. Lu / Peking cotoneaster; hedge cotoneaster native to southeast Asia; known only from Cook and St. Louis counties

Crataegus, like *Rubus*, is a complex taxon with much hybridization, polyploidization, and apomixis occurring among the species. The group as a whole is difficult to separate into species and there has been disagreement regarding species distinctions. Until further research definitively clarifies the nomenclature, the list here includes all currently used names.

Crataegus calpodendron (Ehrh.) Medik. / pear hawthorn; late hawthorn
All sources – recognized taxon for Minnesota

Crataegus chrysoarpa Ashe / red haw; fireberry hawthorn
All sources – recognized taxon for Minnesota

Crataegus coccinea L. / red haw; scarlet hawthorn
known only from Houston Co. (collected from Winnebago Valley in 1899 and from Spring Grove area in 1902)
USDA-NRCS 2009 – misapplied to North American flora, see *C. chrysoarpa*
NatureServe 2009 – synonym for *C. pedicellata* (but not reported for Minnesota)
ITIS 2009 – misapplied to North American flora, see *C. chrysoarpa*
Smith 2008 – recognized taxon for Minnesota

Crataegus crus-galli L. / cockspur hawthorn
USDA-NRCS 2009 – recognized taxon for Minnesota
NatureServe 2009 – recognized taxon for Minnesota
ITIS 2009 – recognized taxon
Smith 2008 – not included

Crataegus douglasii Lindl. / black hawthorn; Douglas' hawthorn
State Threatened list; disjunct from western North America
All sources – recognized taxon for Minnesota

Crataegus faxonii Sarg. / red haw; Faxon's hawthorn
USDA-NRCS 2009 – synonym for *C. chrysoarpa*
NatureServe 2009 – not included
ITIS 2009 – synonym for *C. chrysoarpa*

Smith 2008 – not included

Crataegus flabellata (Bosc ex Spach) K. Koch / fan-leaf hawthorn
 USDA-NRCS 2009 – recognized taxon for Minnesota
 NatureServe 2009 – recognized taxon but not reported for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – not included

Crataegus holmesiana Ashe / Holme's hawthorn
 no specimens at MIN
 USDA-NRCS 2009 – recognized taxon for Minnesota
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – not included

Crataegus irrasa Sarg. / Blanchard's hawthorn
 USDA-NRCS 2009 – recognized taxon for Minnesota – erroneously (based on misidentified specimens)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – not included

Crataegus jonesiae Sarg. / Miss Jones' hawthorn
 USDA-NRCS 2009 – recognized taxon for Minnesota – erroneously (based on misidentified specimens)
 NatureServe 2009 – erroneously recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – not included

Crataegus macracantha Lodd. / fleshy hawthorn; large-thorn hawthorn
 USDA-NRCS 2009 – synonym for *C. succulenta*
 NatureServe 2009 – not included
 ITIS 2009 – synonym for *C. succulenta*
 Smith 2008 – recognized taxon for Minnesota

Crataegus macrosperma Ashe / big-fruit hawthorn; large-seeded hawthorn; eastern hawthorn
 All sources – recognized taxon for Minnesota

Crataegus mollis (Torr. & A. Gray) Scheele / downy hawthorn
 All sources – recognized taxon for Minnesota

Crataegus punctata Jacq. / dotted hawthorn; white haw
 All sources – recognized taxon for Minnesota

Crataegus scabrida Sarg. / rough hawthorn; rough-leaved hawthorn
 known only from Houston Co. (Spring Grove area, historical collections from 1902)
 USDA-NRCS 2009 – recognized taxon for Minnesota
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – recognized taxon for Minnesota

Crataegus schuettei Ashe / Schuette's hawthorn
 known only from Stearns Co.
 USDA-NRCS 2009 – recognized taxon (but not for Minnesota)
 NatureServe 2009 – recognized taxon (but not for Minnesota)
 IT IS 2009 – recognized taxon
 Smith 2008 – not included

Crataegus sheridana A. Nels. / no USDA name; Great Plains fireberry hawthorn; taspanu (Lakota)
 USDA-NRCS 2009 – not included
 NatureServe 2009 – not included
 ITIS 2009 – not included
 Smith 2008 – recognized taxon for Minnesota; known only from Big Stone Co.
 but no specimens at MIN

Crataegus submollis Sarg. / Quebec hawthorn
 All sources – recognized taxon for Minnesota

Crataegus succulenta Schrad. ex Link / succulent hawthorn; fleshy hawthorn; succulent hawthorn

All sources – recognized taxon for Minnesota

[*Crataegus succulenta* Schrad. ex Link var. *macracantha* (Lodd. ex Loud.) Egglesst.

see *C. macracantha* fide Smith 2008 but not ITIS 2009]

[*Dalibarda repens* L. see *Rubus dalibarda*]

[*Dasiphora floribunda* (Pursh) Raf. see *Potentilla fruticosa*]

[*Dasiphora fruticosa* (L) Rydb. see *Potentilla fruticosa*]

[*Drymocallis arguta* (Pursh) Rydb. see *Potentilla arguta*]

Filipendula rubra (Hill) B.L. Rob. / queen-of-the-prairie

native from IA, IL, WI and eastward; known only from St. Louis Co. (Duluth area); only specimen at DUL

Filipendula ulmaria (L.) Maxim. / queen-of-the-meadow

native to Eurasia; known only from St. Louis Co.

var. *denudata* (J. Presl & K. Presl) Hayek

var. *ulmaria*

Fragaria vesca L. var. *americana* Porter / woodland strawberry; wood strawberry

Fragaria virginiana Duchesne / Virginia strawberry; common strawberry

Geum aleppicum Jacq. var. *strictum* (Aiton) Fernald / yellow avens

Geum canadense Jacq. / white avens

Geum laciniatum Murray / rough avens

Geum macrophyllum Willd. var. *perincisum* (Rydb.) Raup / large-leaf avens; big-leaved avens

Geum rivale L. / water avens; purple avens

Geum triflorum Pursh / old-man's-whiskers; prairie smoke

Geum virginianum L. / cream avens

reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario, WI, IL

[*Malus* see *Pyrus*]

[*Pentaphylloides floribunda* (Pursh) A. Löve see *Potentilla fruticosa*]

[*Photinia melanocarpa* (Michx.) K.R. Robertson & J.B. Phipps see *Aronia melanocarpa*]

Physocarpus opulifolius (L.) Maxim. / common ninebark; Atlantic ninebark

var. *intermedius* (Rydb.) B.L. Rob.

var. *opulifolius*

Potentilla anserina L. / silverweed cinquefoil; common silverweed

Potentilla argentea L. / silver cinquefoil; silvery cinquefoil

native to Europe

Potentilla arguta Pursh / tall cinquefoil

[*Potentilla bipinnatifida* Dougl. ex Hook. see *P. pensylvanica* var. *bipinnatifida*]

Potentilla collina Wibel / palm-leaf cinquefoil

reported as endemic to Minnesota by USDA-NRCS but no specimens at MIN

[*Potentilla finitima* Kohli & Packer see *P. pensylvanica* var. *arida*]

Potentilla flabelliformis Lehm. / slender cinquefoil; graceful cinquefoil

Potentilla fruticosa L. / shrubby cinquefoil; golden hardhack

[*Potentilla gracilis* Douglas ex Hook. see *P. flabelliformis*]

Potentilla hippiana Lehm. / woolly cinquefoil; woolly potentilla

known only from Polk Co. (last collected 1937)

Potentilla intermedia L. / downy cinquefoil

native to Eurasia; known only from St. Louis Co. (one resort-grounds population, last collected 1950)

Potentilla lasiodonta Rydb. / sandhills cinquefoil

known only from Polk Co. (last collected 1940)

Potentilla littoralis Rydb. / coast cinquefoil; lakeshore potentilla

[*Potentilla millegrana* Engelm. ex Lehm. see *P. rivalis*]

[*Potentilla nicolletii* (S. Watson) Sheldon see *P. paradoxa*]

Potentilla norvegica L. / Norwegian cinquefoil; rough cinquefoil; strawberryweed

Potentilla palustris (L.) Scop. / purple marshlocks; marsh cinquefoil

Potentilla paradoxa Nutt. / paradox cinquefoil; bushy cinquefoil;

Potentilla pensylvanica L. / Pennsylvania cinquefoil; tansy cinquefoil

var. *arida* B. Boivin – some authors include this in var. *bipinnatifida*

var. *bipinnatifida* (Douglas ex Hook.) Torr. & A. Gray

var. *pensylvanica*

[*Potentilla pentandra* Engelm. see *P. rivalis*]
 [*Potentilla pulcherrima* Lehm. / beautiful cinquefoil – previous report for Minnesota (Ownbey & Morley 1991 as *P. gracilis* var. *pulcherrima*) based on misidentified specimen]
Potentilla recta L. / sulphur cinquefoil; rough-fruit potentilla
 native to Europe
Potentilla rivalis Nutt. / brook cinquefoil
Potentilla simplex Michx. / common cinquefoil; old-field cinquefoil
 [*Potentilla supina* L. subsp. *supina* (Nutt.) Soják see *P. paradoxa*]
Potentilla tridentata Aiton / shrubby five-fingers; three-tooth cinquefoil
Potentilla verna L. / no USDA name; creeping potentilla
 native to Europe; known only from Hennepin Co. (highway roadside ground cover)
Prunus americana Marshall / American plum; American wild plum
 seeds contain cyanide compounds
Prunus domestica L. / European plum
 seeds contain cyanide compounds
 cultigen from Europe reported as naturalized by MN-DNR (no further data) and USDA-NRCS
 but no specimens at MIN
Prunus nigra Aiton / Canadian plum; Canadian cherry
 seeds contain cyanide compounds
Prunus pensylvanica L.f. / pin cherry; fire cherry
 seeds contain cyanide compounds
Prunus pumila L. / sand cherry
 seeds contain cyanide compounds
 var. *besseyi* (L.H. Bailey) Gleason
 var. *cuneata* (Raf.) L.H. Bailey
 var. *pumila*
 [var. *susquehanae* (hort. ex Willd.) H. Jaeger see var. *cuneata*]
Prunus serotina Ehrh. / black cherry
 bark, leaves, seeds highly toxic to humans, pets, and especially ruminant livestock
 [*Prunus susquehanae* Willd. / Susquehana sand cherry see *P. pumila* var. *cuneata*]
Prunus tomentosa Thunb. / Nanking cherry
 seeds contain cyanide compounds
 native to Asia; naturalized only in Washington and Anoka counties
 [*Prunus triloba* Lindl. / flowering plum – previous report for Minnesota was based on misidentified specimen]
Prunus virginiana L. / choke cherry, canpa'hu (Lakota)
 bark, leaves, seeds highly toxic to humans and livestock
Pyrus baccata L. / Siberian crabapple
 native to Asia; known only from St. Louis Co.; previous report from Goodhue Co. apparently a
 hybrid with *P. pumila*
Pyrus ioensis (Alph. Wood) Britton / prairie crabapple; Iowa crabapple
Pyrus malus L. / cultivated apple
Pyrus prunifolia Willd. / plum-leaf crabapple; pear-leaf crabapple
 native to northeastern Asia; known only from Becker and Goodhue counties
 [*Pyrus pumila* (Mill.) K. Koch / paradise apple – previous reports from Minnesota based on
 cultivated specimens]
 [*Pyrus x soulardii* L.H. Bailey (*P. ioensis* x *pumila*) / Soulard's crab – previous reports from
 Minnesota based on cultivated specimens]
Rosa acicularis Lindl. / prickly rose; bristly rose; prickly wild rose
 subsp. not recognized
Rosa arkansana Porter / prairie rose; prairie wild rose
Rosa blanda Aiton / smooth rose; Labrador rose; smooth wild rose
Rosa carolina L. / Carolina rose
 reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario, WI, IA, NE
Rosa xdulcissima Lunell (*R. blanda* x *woodsii*) / no USDA name; hybrid rose
Rosa eglantheria L. / dog rose; sweetbrier rose
 native to Europe; known only from Dakota Co. (one population, last collected 1943)

Rosa x housei Erlanson (*R. acicularis* x *blanda*) / no USDA name; House's hybrid rose
 known only from Pine and Winona counties

[*Rosa macounii* Greene see *R. woodsii*]

Rosa multiflora Thunb. / multiflora rose; rambler rose
 native to eastern Asia; known only from Washington Co.; reports from national forests unconfirmed

Rosa rugosa Thunb. / rugosa rose; Japanese rose
 native to eastern Asia; known only from Itasca Co. (one roadside population)

Rosa woodsii Lindl. var. *woodsii* / Wood's rose; wild rose

Rubus, like *Crataegus*, is a very complex taxon with much hybridization, polyploidization, and apomixis occurring within taxa. The group as a whole is difficult to separate into species (especially since both first- and second-year growth are needed for identification) and there has been much disagreement regarding species distinctions, particularly when statewide or regional populations are considered in the absence of the wider distributions of the species. Names included here are those applied to our species along with their disposition according to recent sources.

Rubus ablatus L.H. Bailey / plains blackberry; mountain blackberry
 FNA (in press) – not included
 USDA-NRCS 2009 – synonym for *R. laudatus*
 NatureServe 2009 – not recognized
 ITIS 2009 – synonym for *R. laudatus*
 Smith 2009 – recognized taxon for Minnesota

[*Rubus acaulis* Michx. – all sources – synonym for *R. arcticus* subsp. *acaulis*]

Rubus acridens L.H. Bailey / Kennedy's blackberry; sharp-toothed blackberry
 FNA (in press) – not included
 USDA-NRCS 2009 – synonym for *R. kennedyanus*
 NatureServe 2009 – not recognized
 ITIS 2009 – synonym for *R. kennedyanus*
 Smith 2008 – recognized taxon for Minnesota

Rubus allegheniensis Porter / Allegheny blackberry
 All sources – recognized taxon for Minnesota (widespread in eastern US)

Rubus alumnus L.H. Bailey – old-field blackberry; Allegheny blackberry
 FNA (in press) – synonym for *R. allegheniensis*
 USDA-NRCS 2009 – recognized taxon for Minnesota (widespread from KS to MN and eastward)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – recognized taxon for Minnesota

Rubus arcticus L. subsp. *acaulis* (Michx.) Focke / dwarf raspberry; arctic dwarf raspberry;
 All sources – recognized taxon for Minnesota (widespread across Canada with extensions into US)

Rubus baileyanus Britton / Bailey's dewberry
 FNA (in press) – synonym for *R. flagellaris*
 USDA-NRCS 2009 – recognized taxon for Minnesota (common from MN and MO to eastern mountains)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – not included

Rubus bellobatus L.H. Bailey / Kittatinny blackberry
 FNA (in press) – not included
 USDA-NRCS 2009 – recognized taxon for Minnesota (common from MN and MO to east coast)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – synonym for *R. alumnus*

Rubus canadensis L. / smooth blackberry
 All sources – recognized taxon for Minnesota (common in eastern US and Canada)

Rubus chamaemorus L. / cloudberry
 state Threatened list (common across Canada with few extensions into US)
 All sources – recognized taxon for Minnesota; reported only from the northeastern counties

- Rubus dalibarda* L. / robin runaway
 FNA (in press) – recognized taxon for Minnesota
 USDA-NRCS 2009 – recognized taxon (as *Dalibarda repens*) for Minnesota (common in northeastern US and southeastern Canada)
 NatureServe 2009 – recognized taxon (as *Dalibarda repens*) but not reported for Minnesota
 ITIS 2009 – not included
 Smith 2008 – not included
- Rubus dissensus* L.H. Bailey / Big Horseshoe Lake dewberry
 FNA (in press) – synonym for *R. setosus*
 USDA-NRCS 2009 – synonym for *R. stipulatus*
 NatureServe 2009 – not included
 ITIS 2009 – synonym for *R. stipulatus*
 Smith 2008 – recognized taxon for Minnesota (reported only from MN, WI, and MI)
- Rubus elegantulus* Blanch. / showy blackberry
 disjunct from northeastern US and adjacent Canada
 FNA (in press) – synonym for *R. canadensis*
 USDA-NRCS 2011 – recognized taxon (but not reported in Minnesota)
 NatureServe 2011 – recognized taxon for Minnesota
 ITIS 2011 – recognized taxon
 Smith 2008 – not included
- Rubus exeter* L.H. Bailey / Baton Rouge blackberry
 FNA (in press) – not included
 USDA-NRCS 2009 – recognized taxon for Minnesota (reported only from MN, WI, and IN)
 NatureServe 2009 – recognized taxon but not reported for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – synonym for *R. fulleri*
- Rubus ferrofluvius* H.A. Davis, A.M. Fuller & T. Davis / Iron River blackberry
 FNA (in press) – not included
 USDA-NRCS 2009 – not included
 NatureServe 2009 – not included
 ITIS 2009 – not included
 Smith 2008 – recognized taxon for Minnesota (reported only from east-central MN and WI)
- Rubus flagellaris* Willd. / northern dewberry; whiplash dewberry
 All sources – recognized taxon for Minnesota; but species limits defined differently among authors.
 The common view of this taxon (Alice et al. in press) is of an extremely polymorphic taxon when considered across its range in the US and Canada, with some characters subject to environmental variation and intergradation common among the variants.
 Some authors (e.g., Smith 2008) take a restricted view and separate the variants as species.
- Rubus folioflorus* L.H. Bailey / Ithaca blackberry; Snail Lake blackberry
 FNA (in press) – synonym of *R. flagellaris*
 USDA-NRCS 2009 – synonym of *R. ithacanus* (northwestern limit of distribution reported as MN)
 NatureServe 2009 – not included
 ITIS 2009 – synonym of *R. ithacanus*
 Smith 2008 – synonym of *R. frondosus*
- Rubus frondosus* Bigelow / yankee blackberry; leafy blackberry
 FNA (in press) – synonym of *R. pensilvanicus*
 USDA-NRCS 2009 – recognized taxon for Minnesota (widespread in eastern US and Ontario)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon for Minnesota
 Smith 2008 – recognized taxon for Minnesota
- Rubus fulleri* L.H. Bailey / Wheeler's blackberry; Fuller's blackberry
 FNA (in press) – synonym of *R. hispidus*
 USDA-NRCS 2009 – synonym of *R. wheeleri*
 NatureServe 2009 – not included
 ITIS 2009 – synonym of *R. wheeleri*
 Smith 2008 – recognized taxon for Minnesota (reported only from MN, IA, IL, WI)

- Rubus groutianus* Blanch. / setose blackberry; Grout's blackberry
 FNA (in press) – synonym of *R. setosus*
 USDA-NRCS 2009 – synonym of *R. setosus*
 NatureServe 2009 – not included
 ITIS 2009 – synonym of *R. setosus*
 Smith 2008 – recognized taxon for Minnesota
- Rubus hispidus* L. / bristly dewberry; swamp dewberry
 FNA (in press) – recognized taxon for Minnesota
 USDA-NRCS 2009 – recognized taxon but not reported for Minnesota
 NatureServe 2009 – recognized taxon but not reported for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – not included
- Rubus idaeus* L. / American red raspberry
 subsp. *idaeus*
 FNA (in press) – recognized taxon for Minnesota (as garden escape; no specimens at MIN)
 USDA-NRCS 2009 – recognized taxon for Minnesota (common across much of North America)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – not included
- subsp. *strigosus* (Michx.) Focke
 All sources – recognized taxon for Minnesota (Smith 2008 – synonym for var. *strigosus* (Michx.) Maxim.)
- Rubus illecebrosus* Focke / strawberry raspberry
 native to Japan
 FNA (in press) – recognized taxon (but known only from Nova Scotia and Quebec south to WV)
 USDA-NRCS 2009 – recognized taxon for Minnesota – probably erroneously
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – not included
- Rubus ithacanus* L.H. Bailey / Ithaca blackberry
 FNA (in press) – synonym for *R. flagellaris*
 USDA-NRCS 2009 – recognized taxon for Minnesota (northwestern limit of distribution)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon for Minnesota
 Smith 2008 – recognized taxon for Minnesota
- Rubus junceus* Blanch. / herbaceous blackberry
 FNA (in press) – not included
 USDA-NRCS 2009 – recognized taxon for Minnesota (reported only from MN, WI, MI, NH, VT, ME)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – not included
- Rubus kennedyanus* Fernald / Kennedy's blackberry
 FNA (in press) – synonym for *R. canadensis*
 USDA-NRCS 2009 – recognized taxon for Minnesota (known only from MN and WI)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – not included
- Rubus latifolius* L.H. Bailey / Great Lakes blackberry
 FNA (in press) – synonym for *R. pensilvanicus*
 USDA-NRCS 2009 – synonym for *R. wisconsinensis*
 NatureServe 2009 – not included
 ITIS 2009 – synonym for *R. wisconsinensis*
 Smith 2008 – synonym for *R. wisconsinensis*
- Rubus laudatus* A. Berger / plains blackberry
 FNA (in press) – synonym for *R. pensilvanicus*
 USDA-NRCS 2009 – recognized taxon for Minnesota (common from MN to PA south to GA and AL)
 NatureServe 2009 – recognized taxon but not reported for Minnesota

- ITIS 2009 – recognized taxon
Smith 2008 – not included
- Rubus minnesotanus* L.H. Bailey / Minnesota blackberry
FNA (in press) – synonym for *R. flagellaris*
USDA-NRCS 2009 – synonym for *R. wisconsinensis*
NatureServe 2009 – not included
ITIS 2009 – synonym for *R. wisconsinensis*
Smith 2008 – synonym for *R. wisconsinensis*
- Rubus missouricus* L.H. Bailey / Missouri dewberry; Missouri blackberry
FNA (in press) – listed as uncertain status
USDA-NRCS 2009 – recognized taxon for Minnesota (common in north central states)
NatureServe 2009 – recognized taxon for Minnesota
ITIS 2009 – recognized taxon
Smith 2008 – recognized taxon for Minnesota
- Rubus multiflorus* L.H. Bailey / kinnickinnick dewberry; fruitful dewberry
FNA (in press) – synonym for *R. flagellaris*
USDA-NRCS 2009 – recognized taxon for Minnesota (western limit of distribution)
NatureServe 2009 – recognized taxon for Minnesota
ITIS 2009 – recognized taxon
Smith 2008 – recognized taxon for Minnesota
- [*Rubus nefrens* L.H. Bailey / prickles dewberry – erroneously reported for Minnesota by Lakela 1965]
- Rubus neglectus* Peck (possible hybrid of *R. idaeus* x *occidentalis*) / cream berry; hybrid red raspberry
FNA (in press) – listed as uncertain status
USDA-NRCS 2009 – synonym for *R. idaeus* subsp. *strigosus*
NatureServe 2009 – not included
ITIS 2009 – synonym for *R. idaeus* subsp. *strigosus*
Smith 2008 – not included
- Rubus occidentalis* L. / black raspberry; western blackberry
All sources – recognized taxon for Minnesota (common in eastern half of US and Canada)
- Rubus parviflorus* Nutt. / thimbleberry
All sources – recognized taxon for Minnesota (common in western US and Canada; disjunct in central states and provinces)
- Rubus pensilvanicus* Poir. / Pennsylvania blackberry
FNA (in press) – recognized taxon for Minnesota
USDA-NRCS 2009 – recognized taxon for Minnesota (common in eastern US and Canada)
NatureServe 2009 – recognized taxon for Minnesota
ITIS 2009 – recognized taxon for Minnesota
Smith 2008 – not included
- Rubus pergratus* Blanch. / upland blackberry
FNA (in press) – synonym for *R. canadensis*
USDA-NRCS 2009 – recognized taxon for Minnesota (common from MN and IA to ME and VA)
NatureServe 2009 – recognized taxon for Minnesota
ITIS 2009 – recognized taxon
Smith 2008 – not included
- Rubus plicatifolius* Blanch. / plait-leaf dewberry; plaited-leaf dewberry
FNA (in press) – synonym for *R. flagellaris*
USDA-NRCS 2009 – recognized taxon for Minnesota (western limit of distribution)
NatureServe 2009 – recognized taxon for Minnesota
ITIS 2009 – recognized taxon for Minnesota
Smith 2008 – recognized taxon for Minnesota
- Rubus pubescens* Raf. / dwarf red blackberry; dwarf red raspberry
All sources – recognized taxon for Minnesota (widespread in northern US and Canada)
- Rubus quaesitus* L.H. Bailey / Prince Edward Island blackberry
FNA (in press) – not included
USDA-NRCS 2009 – not included
NatureServe 2009 – not included

ITIS 2009 – recognized taxon
 Smith 2008 – recognized taxon for Minnesota (disjunct, with WI populations, from eastern provinces of Prince Edward Island and New Brunswick)

Rubus recurvans Blanch. / recurved blackberry; low-arching blackberry
 FNA (in press) – listed as uncertain status
 USDA-NRCS 2009 – recognized taxon for Minnesota (common in eastern US and Canada)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – recognized taxon for Minnesota

Rubus recurvicaulis Blanch. / arching dewberry; Blanchard's dewberry
 FNA (in press) – synonym for *R. flagellaris*
 USDA-NRCS 2010 – recognized taxon (but not for Minnesota)
 NatureServe 2010 -- recognized taxon (but not for Minnesota)
 ITIS 2010 – recognized taxon
 Smith 2008 – not included

Rubus regionalis (L.H. Bailey) L.H. Bailey / Wisconsin dewberry
 FNA (in press) – synonym for *R. setosus*
 USDA-NRCS 2009 – recognized taxon for Minnesota (western limit of distribution)
 NatureServe 2009 – not included
 ITIS 2009– recognized taxon
 Smith 2008 – recognized taxon for Minnesota

[*Rubus repens* (L.) Kuntze see *R. dalibarda*]

Rubus rosa L.H. Bailey / rose blackberry
 FNA (in press) – synonym for *R. allegheniensis*
 USDA-NRCS 2009 – recognized taxon for Minnesota (northwestern limit of distribution)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – recognized taxon for Minnesota

Rubus rosendahlii L.H. Bailey / Rosendahl's dewberry
 FNA (in press) – synonym for probable hybrid of *R. flagellaris* x *hispidus*
 USDA-NRCS 2009 – synonym for *R. plicatifolius*
 NatureServe 2009 – not included
 ITIS 2009 – synonym for *R. plicatifolius*
 Smith 2008 – synonym for *R. plicatifolius*

Rubus satis L.H. Bailey / sufficient blackberry
 FNA (in press) – synonym for *R. flagellaris*
 USDA-NRCS 2009 – synonym for *R. ithacanus*
 NatureServe 2009 – not included
 ITIS 2009 – synonym for *R. ithacanus*
 Smith 2008 – recognized taxon for Minnesota

Rubus semisetosus Blanch. / swamp blackberry; half-bristly blackberry
 FNA (in press) – synonym for *R. setosus*
 USDA-NRCS 2009 – recognized taxon for Minnesota (western limit of distribution)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – recognized taxon for Minnesota

Rubus setosus Bigelow / setose blackberry; bristly blackberry
 All sources – recognized taxon for Minnesota (Smith 2008 recognizes *R. setosus* var. *rotundior* Bailey as a synonym for *R. fulleri*)

Rubus spectatus L.H. Bailey / sphagnum blackberry
 FNA (in press) – not included
 USDA-NRCS 2009 – recognized taxon for Minnesota (known only from MN, WI, MI)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – not included

Rubus steelei L.H. Bailey / Steele's dewberry

FNA (in press) – synonym for *R. flagellaris*
 USDA-NRCS 2009 – recognized taxon for Minnesota (northwestern limit of distribution)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon for Minnesota
 Smith 2008 – recognized taxon for Minnesota

Rubus stipulatus L.H. Bailey / Big Horseshoe Lake dewberry
 FNA (in press) – synonym for *R. setosus*
 USDA-NRCS 2009 – recognized taxon for Minnesota (reported only from MN, IA, WI, and MI)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – recognized taxon for Minnesota

[*Rubus strigosus* Michx. – all sources – synonym for *R. idaeus* as var./subsp. *strigosus*]

Rubus superioris L.H. Bailey / Vermont blackberry; Lake Superior blackberry
 FNA (in press) – synonym for *R. setosus*
 USDA-NRCS 2009 – synonym for *R. vermontanus*
 NatureServe 2009 – not included
 ITIS 2009 – synonym for *R. vermontanus*
 Smith 2008 – recognized taxon for Minnesota

Rubus uniformis L.H. Bailey / thornless dewberry
 FNA (in press) – synonym for *R. setosus*
 USDA-NRCS 2009 – recognized taxon for Minnesota (reported only from MN and WI)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – recognized taxon for Minnesota

Rubus vermontanus Blanch. / Vermont blackberry
 FNA (in press) – synonym for *R. setosus*
 USDA-NRCS 2009 – recognized taxon for Minnesota (western limit of distribution)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – recognized taxon for Minnesota

Rubus wheeleri (L.H. Bailey) L.H. Bailey / Wheeler's blackberry
 FNA (in press) – synonym for *R. setosus*
 USDA-NRCS 2009 – recognized taxon for Minnesota (western limit of distribution)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – recognized taxon for Minnesota

Rubus wisconsinensis L.H. Bailey / Wisconsin blackberry
 FNA (in press) – considered either synonym for *R. pensilvanicus* or hybrid of *R. flagellaris* x *setosus*
 USDA-NRCS 2009 – recognized taxon for Minnesota (reported only from MN, IA, IL, MI, and WI)
 NatureServe 2009 – recognized taxon for Minnesota
 ITIS 2009 – recognized taxon
 Smith 2008 – recognized taxon for Minnesota

Sanguisorba officinalis L. / official burnet
 native to the west coast; reported for Minnesota by USDA but no specimens at MIN

[*Sibbaldiopsis tridentata* (Aiton) Rydb. see *Potentilla tridentata*]

Sorbaria sorbifolia (L.) A. Braun / false spirea
Sorbus americana Marshall / American mountain-ash
Sorbus aucuparia L. / European mountain-ash
 native to Europe
Sorbus decora (Sarg.) C.K. Schneid. / northern mountain-ash; showy mountain-ash
Spiraea alba Du Roi / white meadowsweet
 var. *alba*
 var. *latifolia* (Aiton) Dippel
Spiraea betulifolia Pall / white spirea
 reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario, ND, SD
Spiraea x billiardii Hérisq (S. *douglasii* x *salicifolia*) / triumphans bilerd spirea

native to Allegheny region; known only from St. Louis Co. (Duluth area)
Spiraea tomentosa L. var. *rosea* (Raf.) Fernald / steeplebush; hardhack
Spiraea x vanhouttei (Briot) Carrière (*S. cantoniensis* x *trilobata*) / no USDA name; bridal wreath spirea
native to Europe
Waldsteinia fragarioides (Michx.) Tratt. var. *fragarioides* / Appalachian barren strawberry
state Special Concern list

Rubiaceae

Cephalanthus occidentalis L. / common buttonbush
poisonous to livestock
Galium aparine L. / stickywilly; cleavers
Galium asprellum Michx. / rough bedstraw
Galium boreale L. / northern bedstraw
[*Galium brevipes* Fernald & Wiegand see *G. trifidum*]
Galium circaezans Michx. var. *hypomalacum* Fern. / licorice bedstraw
known only from Houston Co.
Galium concinnum Torr. & A. Gray / shining bedstraw
Galium labradoricum (Wiegand) Wiegand / northern bog bedstraw; Labrador bedstraw
Galium lanceolatum Torr. / lance-leaf wild licorice
reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario, Barron
and Washburn counties of WI and IL
Galium mollugo L. / false baby's-breath; white bedstraw
native to Europe; known only from Carlton and St. Louis counties
Galium obtusum Bigelow var. *obtusum* / blunt-leaf bedstraw; obtuse bedstraw
Galium odoratum (L.) Scop. / sweet-scented bedstraw; sweet woodruff
native to Europe; known only from Washington Co.
Galium tinctorium L. var. *tinctorium* / stiff marsh bedstraw; southern three-lobed bedstraw; small bedstraw
Galium trifidum L. var. *trifidum* / three-petal bedstraw; northern three-lobed bedstraw; three-cleft bedstraw
Galium triflorum Michx. var. *triflorum* / fragrant bedstraw; three-flowered bedstraw; sweet-scented bedstraw
Galium verum L. / yellow spring bedstraw; yellow bedstraw
native to Eurasia
Hedyotis longifolia (Gaertn.) Hook. / long-leaf summer bluet; eyebright
[*Houstonia canadensis* Willd. ex Roem. & Schult. see *Hedyotis longifolia*]
[*Houstonia longifolia* Gaertn. see *Hedyotis longifolia*]
Mitchella repens L. / partridgeberry

Ruppiaceae [fide FNA 2000, vol. 22]

Ruppia cirrhosa (Petagna) Grande / spiral ditchgrass; widgeon-grass
state Special Concern list
[*Ruppia maritima* L. / widgeongrass – misapplied to our flora, see *R. cirrhosa*]
[*Ruppia occidentalis* S. Watson see *R. cirrhosa*]

Ruscaceae [fide FNA 2002, vol. 26] [Asparagaceae in Mabberley 3rd ed.]

Convallaria majalis L. var. *majalis* / European lily-of-the-valley
native to Eurasia; roots and flowers toxic to pets, potentially toxic to humans
Maianthemum canadense Desf. / Canadian mayflower; false lily-of-the-valley
vars. not recognized
Maianthemum racemosum (L.) Link subsp. *racemosum* / feathery false lily-of-the-valley; plumed
solomon's-seal; common false solomon's seal
Maianthemum stellatum (L.) Link / starry false lily-of-the-valley; starflower solomon's-seal;
yapi' zapi hu (Lakota)
Maianthemum trifolium (L.) Sloboda / three-leaf false lily-of-the-valley; three-leaf solomon's-plume;
three-leaved false solomon's-seal
Polygonatum biflorum (Walter) Elliott / smooth solomon's-seal; giant solomon's-seal
[*Polygonatum commutatum* (Schult.f.) A. Dietr. see *P. biflorum*]
Polygonatum pubescens (Willd.) Pursh / hairy solomon's-seal

[*Smilacina racemosa* (L.) Desf. see *Maianthemum racemosum*]

[*Smilacina stellata* (L.) Desf. see *Maianthemum stellatum*]

[*Smilacina trifolia* (L.) Desf. see *Maianthemum trifolium*]

Rutaceae

[*Phellodendron amurense* Rupr. / amur corktree – erroneously reported for Minnesota; based on misidentified specimen]

Phellodendron chinense C.K. Schneid / Chinese corktree
native to China; known only from Winona Co., probably naturalized from nearby ornamental plantings; can become invasive

Ptelea trifoliata L. / common hop tree

native to south and eastern US; known only from Hennepin Co. (last collected 1951), possibly planted

Zanthoxylum americanum Mill. / common prickly-ash; toothache tree

S

Salicaceae [fide FNA 2010, vol. 7]

Populus alba L. / white poplar; silver-leaf cottonwood

native to Eurasia; possibly can become invasive as spreads by root suckering

Populus balsamifera L. / balsam poplar

Populus x canadensis Moench (*P. deltoides x nigra*) / Carolina poplar

reported for Minnesota by Flora of the Great Plains 1986 but no specimens at MIN

Populus x canescens (Aiton) Smith (*P. alba x tremula*) / gray poplar

native to Eurasia; reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario, WI, IL

Populus deltoides W. Bartram ex Marshall / plains cottonwood; eastern cottonwood

[var. *occidentalis* Rydb. see subsp. *monilifera*]

subsp. *monilifera* (Aiton) Eckenwalder

Populus grandidentata Michx. / big-tooth aspen; big-tooth cottonwood

Populus x jackii Sarg. (*P. balsamifera x deltoides*) / balm-of-Gilead; Jack's cottonwood

rarely produces viable seed

Populus nigra L. / Lombardy poplar; black poplar

native to Eurasia; probably planted

Populus x smithii B. Boivin (*P. grandidentata x tremuloides*) / Smith's aspen

reported for Minnesota by Ownbey and Morley 1991 and MN-DNR but no specimens at MIN; known from Ontario, NE, IL

Populus tremuloides Michx. / quaking aspen; trembling aspen

Salix alba L. / white willow

native to Europe; only two specimens (verified by G. Argus, 2010) indicate possible naturalization in Minnesota

Salix amygdaloides Andersson / peach-leaf willow

[*Salix babylonica* L. see *S. x sepulcralis*]

Salix bebbiana Sarg. / Bebb's willow; gray willow

Salix x beschelii B. Boivin (*S. bebbiana x discolor*) / no USDA name; Beschel's willow

only one specimen identified as "possibly *S. bebbiana x discolor*" suggested by the presence of ferruginous hairs but otherwise characters indicate *S. bebbiana* (fide G. Argus, 2010);

Isanti County (last collected 1926)

Salix candida Flügge ex Willd. / sage-leaf willow; sage willow

[*Salix x conifera* Wangenh. (*S. discolor x humilis*) – reported for Minnesota by USDA-NRCS; G. Argus 2010 (though not including this hybrid species name) reports the two parental species readily hybridize and backcross but no specimens have been confirmed at MIN]

Salix cordata Michx. / heart-leaf willow; sand dune willow

to be expected in eastern counties on sandy soil; known from WI and eastward; considered to be a synonym of *S. eriocephala* in Smith 2008

Salix daphnoides Vill. / daphne willow; violet willow; European willow

native to Eurasia; known only from St. Louis Co. (Duluth area)

Salix discolor Muhl. / pussy willow

Salix eriocephala Michx. / diamond willow; Missouri River willow; heart-leaved willow
 [var. *famelica* (Ball) Dorn see *S. famelica*]
 [*Salix exigua* Nutt. – misapplied to eastern US flora see *S. interior*]
Salix famelica (C.R. Ball) Argus / yellow willow; hungry willow; diamond willow
 fide G. Argus (pers. comm.) populations of this western species are quite distinct from the eastern
S. eriocephala; in Minnesota, however, there exists a narrow band of hybrids
Salix x fragilis L. (*S. alba x euxina*) / crack willow; whitecrack willow
 native to Europe; viable seed rarely produced
 [*Salix gracilis* Andersson see *S. petiolaris*]
Salix humilis Marshall / prairie willow; upland willow
 var. *humilis*
 var. *tristis* (Aiton) Griggs
Salix interior Rowlee / sandbar willow; narrow-leaf willow
Salix lucida Muhl. / shining willow
 vars. not recognized
 [*Salix lutea* Nutt. – misapplied to our flora (G. Argus, pers. comm.) see *S. famelica*]
Salix maccalliana Rowlee / MacCall's willow; hoary-fruited willow; McCalla's willow
 state Special Concern list
 [*Salix myricoides* Muhl. / bayberry willow – previous reports for Minnesota based on misidentified specimens]
Salix nigra Marshall / black willow
Salix pedicellaris Pursh / bog willow
 vars. not recognized
Salix pellita (Andersson) Bebb. / satiny willow
 state Special Concern list
Salix pentandra L. / lural willow; bay-leaf willow; bay willow
 native to Europe; fide G. Argus 2010, only carpellate plants are found in the US
Salix petiolaris Sm. / meadow willow; slender willow; slender-leaved willow
Salix planifolia Pursh / diamond-leaf willow; plane-leaved willow
Salix pseudomonticola Ball / false mountain willow; false mountaineer willow
 vegetative specimens may be easily confused with *S. famelica*
Salix purpurea L. / purple osier willow
 native to Europe; reported for Minnesota by FNA but no specimens at MIN
Salix pyrifolia Andersson / balsam willow
 [*Salix rigida* Muhl. see *S. eriocephala*]
 [*Salix rostrata* Richardson see *S. bebbiana*]
 [*Salix x rubella* Bebb ex C.K. Schneider (*S. candida x eriocephala*) – erroneously reported for Minnesota
 by USDA-NRCS; currently known only from Newfoundland and NY]
 [*Salix x rubens* Schrank see *S. x fragilis*]
Salix x sepulcralis Simonkai (*S. alba x babylonica*) / weeping willow
 native to Europe; previously all weeping willows were called *S. babylonica*, which is not cold hardy
 “possibly var. *sepulcralis*” (fide G. Argus 2010) -- known only from Cass Co.
 var. *chrysocoma* (Dode) Meikle – strongly pendulous and golden branches; known only from
 Anoka Co.
Salix sericea Marshall / silky willow
 vegetative material may be difficult to distinguish from *S. petiolaris*; known only from Fillmore Co.
Salix serissima (L.H. Bailey) Fernald / autumn willow
 potentially invasive (fide G. Argus 2010), unlike most willows, seeds of this species experience winter
 dormancy and germinate very early in the spring before the seedlings can be outcompeted by others,
 and Smith 2008 indicates few Minnesota plants are long-lived

Santalaceae

Arceuthobium pusillum Peck / eastern dwarf mistletoe
Comandra umbellata (L.) Nutt. / bastard-toadflax
 [var. *pallida* (A. DC.) M.E. Jones – western taxon erroneously reported for Minnesota by USDA-NRCS]
 var. *umbellata*
Geocaulon lividum (Richardson) Fernald / false toadflax; northern comandra

Sapindaceae

- Acer ginnala* Maxim. / amur maple
native to Asia
- Acer negundo* L. / box-elder; ash-leaf maple
var. *interius* (Britton) Sarg.
var. *negundo*
- Acer nigrum* Michx. f. / black maple
- Acer platanoides* L. / Norway maple
native to Europe; naturalized only in St. Louis Co. (Duluth area)
- Acer rubrum* L. / red maple
fall leaves deadly poisonous to horses
- Acer saccharinum* L. / silver maple; soft maple
- Acer saccharum* Marshall / sugar maple; hard maple
- Acer spicatum* Lam. / mountain maple; moose maple
- Aesculus glabra* Willd. / Ohio buckeye; horse-chestnut
native to eastern US; toxic to pets

Sarraceniaceae [fide FNA 2009, vol. 8]

- Sarracenia purpurea* L. / purple pitcher plant; northern pitcher plant
[var. *gibbosa* (Raf.) Wherry – erroneously reported for Minnesota by USDA-NRCS; known from IL]
subsp. *purpurea*

Saxifragaceae [fide FNA 2009, vol. 8]

- [*Chrysosplenium alternifolium* L. / alternate-leaf golden saxifrage – misapplied to US flora see *C. iowense*]
- Chrysosplenium americanum* Schwein. ex Hooker / American golden saxifrage; American watermat
- Chrysosplenium iowense* Rydb. / Iowa golden saxifrage; Iowa watermat
state Endangered list; disjunct from Canadian prairies in the Driftless Area of MN and IA
- Heuchera richardsonii* R. Br. / Richardson's alumroot; prairie alumroot
- Micranthes pennsylvanica* (L.) Haworth / eastern swamp saxifrage
- Micranthes virginensis* (Michx.) Small / early saxifrage
- Mitella diphylla* L. / two-leaf miterwort; two-leaf bishop's cap
- Mitella nuda* L. / naked miterwort; bare-stem bishop's cap
- [*Parnassia* see Parnassiaceae]
- [*Penthorum* see Penthoraceae]
- [*Saxifraga aizoon* Jacq. see *Saxifraga paniculata*]
- Saxifraga cernua* L. / nodding saxifrage; bulblet saxifrage
state Endangered list; disjunct from arctic Canada and Rocky Mountains,
known only from Cook Co.; rarely producing seed, reproduction primarily from bulblets
- Saxifraga paniculata* Mill. / white mountain saxifrage; encrucelated saxifrage
state Threatened list; Lake Superior populations disjunct from eastern Canada
- [*Saxifraga pennsylvanica* L. see *Micranthes pennsylvanica*]
- [*Saxifraga virginensis* Michx. see *Micranthes virginensis*]
- [*Sullivantia renifolia* Rosend. see *Sullivantia sullivantii*]
- Sullivantia sullivantii* (Torr. & A. Gray) Britton / Sullivant's coolwort; reniform sullivantia
state Threatened list; northern limit of distribution
- Tiarella cordifolia* L. / heart-leaf foamflower
western limit of distribution; known only from Stearns Co.

Scheuchzeriaceae [fide FNA 2000, vol. 22]

- Scheuchzeria palustris* L. / rannoch-rush; pod-grass

Scrophulariaceae

- [*Agalinis* see Orobanchaceae]
- [*Aureolaria* see Orobanchaceae]
- [*Bacopa* see Plantaginaceae]

[*Besseyia* see Plantaginaceae]
[*Castilleja* see Orobanchaceae]
[*Chaenorrhinum* see Plantaginaceae]
[*Chelone* see Plantaginaceae]
[*Digitalis* see Plantaginaceae]
[*Euphrasia* see Orobanchaceae]
[*Gratiola* see Plantaginaceae]

Limosella aquatica L. / water mudwort
state Special Concern list

[*Linaria* see Plantaginaceae]
[*Lindernia* see Plantaginaceae]
[*Melampyrum* see Orobanchaceae]
[*Mimulus* see Phrymaceae]
[*Nuttallanthus* see Plantaginaceae]
[*Orthocarpus* see Orobanchaceae]
[*Pedicularis* see Orobanchaceae]
[*Penstemon* see Plantaginaceae]

Scrophularia lanceolata Pursh / lance-leaf figwort

Scrophularia marilandica L. / carpenter's square; Maryland figwort

Scrophularia nodosa L. / woodland figwort; European figwort
native to Europe; known only from St. Louis Co. (Duluth area)

Verbascum blattaria L. / white moth mullein
native to Eurasia; known only from Beltrami Co. (one roadside population)

[*Verbascum chaixii* Vill. – previous report based on misidentified specimen]

Verbascum epixanthinum Boissier & Heldreich / no USDA name, Grecian mullein
native to Greece; known only from St. Louis Co. (Duluth area; lawn-weed)

Verbascum nigrum L. / black mullein
native to Eurasia; known only from Minneapolis area (last collected 1933)

Verbascum phlomoides L. / orange mullein
native to Europe; reported for Minnesota by USDA-NRCS but no specimens at MIN

Verbascum thapsus L. / flannel mullein; great mullein; common mullein
native to Europe; leaves and inflorescence possibly toxic

[*Veronica* see Plantaginaceae]
[*Veronicastrum* see Plantaginaceae]

Smilacaceae [fide FNA 2002, vol. 26]

Smilax ecirrhata S. Watson / upright carrion-flower; erect carrion-flower

Smilax herbacea L. / smooth carrion-flower

[*Smilax hispida* Muhl. ex Torr. see *S. tamnoides*]

Smilax illinoensis Mangaly / Illinois greenbrier; Illinois carrion-flower

Smilax lasioneura Hook. / Blue Ridge greenbrier; Blue Ridge carrion-flower

Smilax pulverulenta Michx. / downy carrion-flower; downy greenbrier
reported for Minnesota (far southeast corner) by FNA but no specimens at MIN (probably based on misidentified specimens)

[*Smilax rotundifolia* L. / round-leaf greenbrier – erroneously reported for Minnesota by USDA-NRCS; known from IN, OH south- and eastward]

Smilax tamnoides L. bristly greenbrier; chinaroot

Solanaceae

[*Chamaesaracha grandiflora* (Hook.) Fernald see *Leucophysalis grandiflora*]

[*Datura innoxia* Mill. see *D. wrightii*]

Datura stramonium L. / jimsonweed

native from tropical US to Central America, 1st collected 1878,

St. Louis Co.; contains hallucinogenic compounds, deadly poisonous to pets and livestock

Datura wrightii Regel / sacred thorn-apple; angel's-trumpet

native from southwestern US to Mexico; occasionally escaping, rarely persisting

Leucophysalis grandiflora (Hook.) Rydb. / large false ground-cherry; dwarf ground-chervil

Lycium barbarum L. / matrimony vine
native to Eurasia

Nicandra physalodes (L.) Gaertn. / apple-of-Peru
native to Peru; known only from Winona Co. (last collected 1901)

Nicotiana rustica L. / Aztec tobacco
native to tropical America; reported for Minnesota by USDA-NRCS but no specimens at MIN; presence unlikely

[*Petunia x atkinsiana* D. Don ex Loudon see *P. x hybrida*]

Petunia x axillaris (Lam.) Britton, Sterns & Poggenb. / large white petunia
native to Argentina; reported for Minnesota by USDA-NRCS but no specimens at MIN; doubtfully persisting

Petunia x hybrida Vilm. (*P. axillaris x integrifolia*) / no USDA name; garden petunia
horticultural annual cultigen occasionally found around homesites, rarely persisting more than 1 or 2 years

Physalis alkekengi L. / strawberry ground-cherry; Chinese lantern
native to Eurasia; reported for Minnesota by Morley 1969 as a rare garden escape but no specimens at MIN

[*Physalis grisea* (Waterf.) M. Martiñez see *P. pubescens* var. *grisea*]

Physalis heterophylla Nees var. *heterophylla* / clammy ground-cherry

[*Physalis hispida* (Waterf.) Cronquist / prairie ground-cherry – erroneously reported for Minnesota by USDA-NRCS; known from WI, IA, SD]

Physalis longifolia Nutt. / long-leaf ground-cherry
reported for Minnesota by Gleason & Cronquist 1991 but no specimens at MIN; known throughout the US and eastern Canada

[*Physalis philadelphica* Lam. / Mexican ground-cherry; tomatillo – Mexican species erroneously reported for Minnesota by USDA-NRCS; known from IA, WI]

Physalis pubescens L. / husk-tomato; hairy ground-cherry
native to southern US
var. *grisea* Waterf.
[var. *integrifolia* (Dunal) Waterf. – erroneously reported for Minnesota by USDA-NRCS; known from IA]

Physalis virginiana Mill. / Virginia ground-cherry

[*Solanum americanum* Mill. see *S. nigrum*]

Solanum carolinense L. / Carolina horse-nettle
native to southeastern US, 1st collected 1939, Wright Co.;
leaves and especially fruit highly toxic to children and animals

Solanum dulcamara L. / climbing nightshade; deadly nightshade; bittersweet nightshade
native to Eurasia; leaves and especially fruit moderately toxic to livestock

Solanum nigrum L. var. *virginicum* L. / West Indian black nightshade
native and introduced forms exist but difficult to distinguish; leaves and especially fruit moderately toxic to livestock

[*Solanum physalifolium* Rusby see *S. sarrachoides*]

[*Solanum ptycanthemum* Dunal see *S. nigrum*]

Solanum rostratum Dunal / buffalobur nightshade; buffalo bur; horned nightshade
native to central US, 1st collected 1890, Hennepin Co.

Solanum sarrachoides Rusby / hoe nightshade; eastern nightshade
native to South America

Solanum triflorum Nutt. / cut-leaf nightshade; three-flowered nightshade
native to western US

Solanum tuberosum L. / Irish potato; cultivated potato
native to Andes Mountains of South America; occasionally escaping from cultivation, rarely persisting more than 1 or 2 years

Sparganiaceae [fide FNA 2000, vol. 22]

Sparganium americanum Nutt. / American bur-reed; Nuttall's bur-reed

Sparganium androcladum (Engelm.) Morong / branched bur-reed
Sparganium angustifolium Michx. / narrow-leaved bur-reed
 [*Sparganium chlorocarpum* Rydb. see *S. emersum*]
Sparganium emersum Rehmman / European bur-reed; green-fruit bur-reed; unbranched bur-reed
 [*Sparganium erectum* L. / simple-stem bur-reed – misapplied to North American flora, see *S. eurycarpum*]
Sparganium eurycarpum Engelm. / broad-fruit bur-reed; giant bur-reed
Sparganium fluctuans (Engelm. ex Morong) B.L. Rob. / floating bur-reed
Sparganium glomeratum (Beurl. ex Laest.) Neuman / clustered bur-reed
 state Special Concern list
 [*Sparganium minimum* (Hartm.) Fr. see *S. natans*]
Sparganium natans L. / small bur-reed

Staphyleaceae

Staphylea trifolia L. / American bladdernut

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Thymelaeaceae

Daphne mezereum L. / paradise plant
 native to Eurasia; known to be invasive in the eastern US and Canada and poisonous to humans;
 known only from Lake Co. (one roadside population scheduled to be extirpated by state Dept. of
 Agriculture
Dirca palustris L. / eastern leatherwood
 mildly toxic to mammals and may cause dermatitis

Tiliaceae see Malvaceae

Tofieldiaceae [fide 2002, vol. 26]

[*Tofieldia glutinosa* (Michx.) Pers. see *Triantha glutinosa*]
Tofieldia pusilla (Michx.) Pers. / scotch false asphodel; small false asphodel
 state Endangered list; disjunct from arctic regions and Canadian Rocky Mountains
Triantha glutinosa (Michx.) Baker / sticky tofieldia; sticky false asphodel

Trapaceae

Trapa natans L. / water chestnut
 native to Eurasia; on MN-DNR Prohibited Invasive Species list, but not yet reported from MN (known
 from Que, VT, MA, NY, PA, NJ, DE, MD, VA)

Typhaceae [fide FNA 2000, vol. 22]

Typha angustifolia L. / narrow-leaf cattail
 native to eastern seaboard states and provinces but some suggest it is not native to North America
 at all but was introduced very early on from Europe
Typha x glauca Godr. (*T. angustifolia* x *latifolia*) / no USDA name; hybrid cattail
 although reported from only 20 of the 87 counties, fide Lee Frelich, UM forest ecology research
 associate (pers. comm.), this hybrid is much more widespread, often
 out-competing both parents
Typha latifolia L. / broad-leaf cattail; wihuta-hu (Dakota)

U

Ulmaceae [fide FNA 1997, vol. 3]

[*Celtis* see Cannabaceae]
Ulmus americana L. / American elm; pe (Dakota)
 [*Ulmus glabra* Huds. – Eurasian species erroneously reported for Minnesota by USDA-NRCS]
Ulmus pumila L. / Siberian elm
 native to eastern Asia
Ulmus rubra Muhl. / slippery elm; red elm
Ulmus thomasii Sarg. / rock elm; cork elm

Urticaceae [fide FNA 1997, vol. 3]

- Boehmeria cylindrica* (L.) Sw. / small-spike false nettle; bog-hemp
Laportea canadensis (L.) Wedd. / Canadian wood nettle
Parietaria pensylvanica Muhl. ex Willd. / Pennsylvania pellitory
Pilea fontana (Lunell) Rydb. / lesser clearweed; black-fruited clearweed
Pilea pumila (L.) A. Gray / Canadian clearweed; dwarf clearweed
Urtica dioica L. / stinging nettle
can cause skin irritation
[subsp. *dioica* – misapplied to our flora]
subsp. *gracilis* (Aiton) Selander
[var. *procera* (Muhl. ex Willdn.) Weddell see subsp. *gracilis*]

V

Valerianaceae

- Valeriana edulis* Nutt. ex Torr. & A. Gray var. *ciliata* (Torr. & A. Gray) Cronquist / tobacco root;
edible valerian
state Threatened list; northwest limit of distribution
Valeriana officinalis L. / garden valerian; all-heal; garden heliotrope
native to Eurasia

Verbenaceae

- [*Glandularia canadensis* (L.) Nutt. see *Verbena canadensis*]
[*Lippia lanceolata* Michx. see *Phyla lanceolata*]
[*Phryma* see Phrymaceae]
Phyla lanceolata (Michx.) Greene / lance-leaf fogfruit
Verbena bracteata Lag. & Rodr. / big-bract verbena; carpet vervain; long-bracted vervain
Verbena canadensis (L.) Britton / rose mock vervain
reported for Minnesota by Gleason & Cronquist 1991 but no specimens at MIN; known
from WI, IA, NE
Verbena x deamii Moldenke (*V. bracteata x stricta*) / no USDA name; Deam's vervain
known only from New Ulm area (historical collection from 1891)
Verbena hastata L. / swamp verbena; blue vervain
Verbena officinalis L. / herb-of-the-cross
native to Europe; known only from St. Louis Co. (garden weed)
Verbena x perriana Moldenke (*V. bracteata x urticifolia*) / no USDA name; Perry's vervain
known only from Minneapolis area (historical collections to 1877)
Verbena x rydbergii Moldenke (*V. hastata x stricta*) / no USDA name
reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario, WI, IA, NE
Verbena simplex Lehm. / narrow-leaf vervain
state Special Concern list
Verbena stricta Vent. / hoary vervain
Verbena urticifolia L. / white vervain; nettle-leaf vervain

Violaceae

- Hybanthus concolor* Spreng. / eastern green-violet
range extension from IA and WI; known only from Winona Co. (one population)
Viola adunca Sm. / hooked-spur violet; sand violet
[*Viola affinis* Leconte see *V. sororia*]
Viola arvensis Murray / European field pansy
native to Europe; known only from Cass Co. (last collected 1939), doubtfully persisting
Viola x bernardii Greene (*V. pedatifida x sororia*) / no USDA name
reported for Minnesota by USDA-NRCS but no specimens at MIN
Viola x bissellii House (*V. cucullata x sororia*) / no USDA name
known only from St. Louis Co.
Viola blanda Willd. / sweet white violet; big-leaved white violet

Viola canadensis L. var. *rugulosa* (Greene) C.L. Hitchc. / Canadian white violet; tall white violet; rugolose violet
Viola x conjugens Greene (*V. sagittata x sororia*) / no USDA name
Viola conspersa Reichenb. / American dog violet
Viola cucullata Aiton / marsh blue violet; marsh violet
[*Viola incognita* Brainerd see *V. blanda*]
[*Viola labradorica* Schrank see *V. adunca* – some authors segregate this taxon]
Viola lanceolata L. var. *lanceolata* / bog white violet; lance-leaf violet
state Threatened list; northwest limit of distribution
Viola macloskeyi F.E. Lloyd var. *pallens* (Banks ex Ging.) C.L. Hitchc. / small white violet; white bog violet; northern white violet
[*Viola missouriensis* Greene see *V. sororia* – some authors include this in *V. affinis* when that taxon is segregated]
Viola x mistura House (*V. palmata x sagittata*) / no USDA name
Viola nephrophylla Greene / northern bog violet
Viola novae-angliae House / New England blue violet
Viola nuttallii Pursh / Nuttall's violet; yellow prairie violet
state Threatened list; eastern limit of distribution
Viola palmata L. var. *pedatifida* (G. Don) Cronquist / prairie violet; crow's-foot violet; bearded bird violet
Viola pedata L. / bird's-foot violet; beardless birdfoot violet
[*Viola pedatifida* G. Don see *V. palmata*]
[*Viola pensylvanica* Michx. see *V. pubescens*]
Viola x populifolia Greene (*V. sororia x triloba*) / Peck's violet
reported for Minnesota by USDA-NRCS but no specimens at MIN
[*Viola pratincola* Greene see *V. sororia* – some authors include this in *V. nephrophylla*]
Viola x primulifolia L. (*V. lanceolata x macloskeyi*) / no USDA name; primrose violet
Viola pubescens Aiton / downy yellow violet; yellow forest violet
Viola renifolia A. Gray / white violet; kidney-leaf violet
Viola sagittata Aiton / arrow-leaf violet; arrowhead violet
Viola selkirkii Pursh ex Goldie / Selkirk violet; great spurred violet
Viola sororia Willd. / common blue violet; dooryard violet
Viola sublanceolata House / lance-leaf violet
reported for Minnesota by USDA-NRCS but no specimens at MIN; known from Ontario, IA
Viola tricolor L. / johnny-jump-up; small pansy
introduced from Europe

Viscaceae see Santalaceae

Vitaceae

[*Parthenocissus inserta* (Kerner) Fritsch see *P. vitacea*]
Parthenocissus quinquefolia (L.) Planch. / Virginia creeper; woodbine
leaves and fruit toxic
Parthenocissus tricuspidata (Sieb. & Zucc.) Planch. / boston-ivy
native to China and Japan; known only from Pipestone Co.)
Parthenocissus vitacea (Knerr) Hitchc. / woodbine; thicket creeper; Virginia creeper
Vitis aestivalis Michx. / summer grape; silver-leaf grape
state Special Concern list
var. *argentifolia* (Munson) Fernald
[var. *bicolor* Deam see var. *argentifolia*]
Vitis riparia Michx. / frost grape; riverbank grape; wild grape

X

Xyridaceae [fide FNA 2000, vol. 22]

Xyris montana Ries / northern yellow-eyed-grass; montane yellow-eyed-grass
state Special Concern list
Xyris torta Sm. / slender yellow-eyed-grass; twisted yellow-eyed-grass

state Endangered list; northwest limit of distribution

Z

Zannichelliaceae see Potamogetonaceae

Zygophyllaceae

Tribulus terrestris L. / puncture vine; caltrop
introduced from Mediterranean region