

The following are lists of rare plant species that occur in New Hampshire, grouped by habitat types in which they may be found. In some cases, the habitats are divided into “rich” and “poor” categories, distinguishing between habitats with and without a significant degree of nutrient enrichment. In other cases, habitats may be divided into “northern” and “southern” categories, referring to the geographic distribution of a plant across its range (e.g., the population center of a “southern” species is to the south of NH). Finally, some species may be marked with a “P” or a “U”. Species with a “P” are considered *peripheral or occasional* in that habitat, and that their primary habitat lies elsewhere. If a species is marked with a “U”, its status in that habitat is considered *uncertain*, meaning that there are no records for this species in this habitat in New Hampshire, but that it could possibly occur there, based on growth habits across the species’ range.

## PLANT HABITAT TABLES

### Alpine

Dry to mesic alpine/subalpine

*Arctostaphylos alpina* (alpine bearberry)  
*Betula glandulosa* (dwarf birch)  
*Betula minor* (small birch)  
*Calamagrostis canadensis* var. *langsдорffii* (harsh bluejoint) - **U**  
*Carex bigelowii* (Bigelow's sedge)  
*Carex capillaris* (hair-like sedge)  
*Carex capitata* ssp. *arctogena* (head-like sedge)  
*Carex scirpoidea* (scirpus-like sedge)  
*Diapensia lapponica* (diapensia)  
*Diphasiastrum sitchense* (Sitka clubmoss)  
*Euphrasia oakesii* (Oakes' eyebright)  
*Geum peckii* (mountain avens)  
*Harrimanella hypnoides* (moss-plant)  
*Hierochloe alpina* var. *orthantha* (alpine sweet grass)  
*Huperzia appalachiana* (mountain firmoss)  
*Loiseleuria procumbens* (alpine azalea)

*Luzula confusa* (northern woodrush)  
*Luzula spicata* (spiked woodrush)  
*Nabalus boottii* (Boott's rattlesnake root)  
*Omalotheca supina* (mountain cudweed)  
*Oxyria digyna* (mountain sorrel)  
*Paronychia argyrocoma* (silverling)  
*Phyllodoce caerulea* (mountain heath)  
*Pinus banksiana* (jack pine) - **U**  
*Piptatherum canadense* (Canadian mountain rice) - **P**  
*Poa glauca* (white bluegrass)  
*Poa laxa* ssp. *fernaldiana* (wavy bluegrass)  
*Poa pratensis* ssp. *alpigena* (alpine meadow grass)  
*Potentilla robbinsiana* (dwarf cinquefoil)  
*Rhinanthus minor* ssp. *groenlandicus* (yellow rattle)  
*Rhododendron lapponicum* (Lapland rosebay)  
*Rubus chamaemorus* (baked apple berry) - **P**  
*Salix herbacea* (dwarf willow)  
*Salix uva-ursi* (bearberry willow)  
*Sibbaldia procumbens* (sibbaldia)  
*Silene acaulis* (moss campion)  
*Solidago cutleri* (Cutler's goldenrod)  
*Vaccinium boreale* (alpine blueberry)

*Vaccinium cespitosum* (dwarf bilberry)

Wet alpine

*Arnica lanceolata* (hairy arnica)

*Barbarea orthoceras* (American winter cress)

*Calamagrostis canadensis* var. *langsдорffii* (harsh bluejoint)

*Calamagrostis pickeringii* (Pickering's bluejoint)

*Calamagrostis stricta* ssp. *inexpansa* (New England northern reedgrass)

*Calamagrostis stricta* ssp. *stricta* (neglected reedgrass)

*Cardamine bellidifolia* (alpine bitter cress)

*Carex atratiformis* (black sedge)

*Carex capillaris* (hair-like sedge)

*Castilleja septentrionalis* (pale painted cup)

*Epilobium anagallidifolium* (alpine willowherb)

*Epilobium hornemannii* (Hornemann's willowherb)

*Epilobium lactiflorum* (white-flower willowherb)

*Euphrasia oakesii* (Oakes' eyebright)

*Festuca prolifera* (proliferous fescue)

*Geum peckii* (mountain avens)

*Oxyria digyna* (mountain sorrel)

*Persicaria vivipara* (viviparous knotweed)

*Phleum alpinum* (alpine timothy)

*Poa laxa* ssp. *fernaldiana* (wavy bluegrass)

*Rhinanthus minor* ssp. *groenlandicus* (yellow rattle)

*Salix argyrocarpa* (silver willow)

*Salix herbacea* (dwarf willow)

*Salix planifolia* (tea-leaved willow)

*Saxifraga cernua* (nodding saxifrage)

*Saxifraga rivularis* (alpine brook saxifrage)

*Sphagnum brevifolium* (peat moss)

*Sphagnum lindbergii* (peat moss)

*Sphagnum pylaesii* (peat moss)

*Vaccinium boreale* (alpine blueberry)

*Vaccinium cespitosum* (dwarf bilberry)

*Vahlodea atropurpurea* (mountain hairgrass)

*Veronica wormskjoldii* (alpine speedwell)

*Viola palustris* (alpine marsh violet)

### Rich fens and seeps

*Betula pumila* (swamp birch)

*Calypso bulbosa* var. *americana* (fairy slipper)

*Carex aurea* (golden-fruited sedge)

*Carex baileyi* (Bailey's sedge)

*Carex buxbaumii* (Buxbaum's sedge)

*Carex castanea* (chestnut sedge)

*Carex chordorrhiza* (creeping sedge)

*Carex cristatella* (small-crested sedge)

*Carex diandra* (lesser paniced sedge)

*Carex granularis* (granular sedge)

*Carex livida* (livid sedge)

*Carex tenuiflora* (thin-flowered sedge)

*Cypripedium parviflorum* var. *makasin* (yellow lady's slipper)

*Cypripedium parviflorum* var. *pubescens* (large yellow lady's slipper)

*Cypripedium reginae* (showy lady's slipper)

*Eleocharis intermedia* (matted spike-rush)

*Eleocharis ovata* (ovoid spike-rush)

*Eleocharis quinqueflora* (few-flowered spike-rush)

*Halenia deflexa* (spurred gentian)

*Isoetes engelmannii* (Engelmann's quillwort)  
*Juncus alpinoarticulatus* (alpine rush)  
*Juncus stygius* var. *americanus* (moor rush)  
*Liparis loeselii* (Loesel's twayblade)  
*Lobelia kalmii* (Kalm's lobelia)  
*Lysimachia thyrsiflora* (tufted loosestrife)  
*Malaxis unifolia* (green adder's mouth)  
*Mimulus moschatus* (muskflower)  
*Ophioglossum pusillum* (northern adder's tongue)  
*Packera paupercula* (dwarf ragwort)  
*Parnassia glauca* (grass-of-parnassus)  
*Petasites frigidus* var. *palmatus* (sweet coltsfoot)  
*Pinguicula vulgaris* (common butterwort)  
*Platanthera flava* var. *herbiola* (pale green orchid)  
*Rhynchospora capillacea* (needle beak sedge)  
*Scirpus pendulus* (lined bulrush)  
*Sphagnum contortum* (peat moss)  
*Sphagnum subfulvum* (peat moss)  
*Spiranthes casei* (Case's ladies' tresses) - **U**  
*Spiranthes lucida* (shining ladies' tresses)  
*Triantha glutinosa* (sticky false asphodel)  
*Valeriana uliginosa* (marsh valerian)  
*Viola nephrophylla* (kidney-leaved violet)

#### Acid bogs, fens, and seeps

*Arethusa bulbosa* (arethusa)  
*Betula pumila* (swamp birch)  
*Calamagrostis cinnoides* (Nuttall's reedgrass)  
*Calamagrostis pickeringii* (Pickering's bluejoint)

*Calamagrostis stricta* ssp. *inexpansa* (New England northern reedgrass)  
*Carex bullata* (inflated sedge)  
*Carex diandra* (lesser paniced sedge)  
*Carex exilis* (coastal sedge)  
*Carex rostrata* (swollen-beaked sedge)  
*Carex striata* var. *brevis* (Walter's sedge)  
*Carex wiegandii* (Wiegand's sedge)  
*Eleocharis erythropoda* (bald spike-rush)  
*Eleocharis nitida* (neat spike-rush)  
*Eleocharis tuberculosa* (tuberclad spike-rush)  
*Epilobium hornemannii* (Hornemann's willowherb)  
*Eriophorum angustifolium* (narrow-leaved cotton-grass)  
*Gaylussacia dumosa* (dwarf huckleberry)  
*Geocaulon lividum* (northern comandra)  
*Isoetes engelmannii* (Engelmann's quillwort)  
*Listera convallarioides* (lily-leaved twayblade)  
*Listera cordata* (heart-leaved twayblade)  
*Lycopodiella appressa* (slender bog clubmoss)  
*Lysimachia thyrsiflora* (tufted loosestrife)  
*Malaxis unifolia* (green adder's mouth)  
*Ophioglossum pusillum* (northern adder's tongue)  
*Panicum rigidulum* ssp. *pubescens* (long-leaved panic grass)  
*Platanthera flava* var. *herbiola* (pale green orchid)  
*Polygala cruciata* var. *aquilonia* (cross polygala)  
*Rubus chamaemorus* (baked apple berry)  
*Scirpus longii* (Long's bulrush)  
*Scirpus pendulus* (lined bulrush)  
*Sphagnum andersonianum* (peat moss)  
*Sphagnum angermanicum* (peat moss)  
*Sphagnum brevifolium* (peat moss)

*Sphagnum flavicomans* (peat moss)  
*Sphagnum lindbergii* (peat moss)  
*Sphagnum majus* ssp. *norvegicum* (peat moss)  
*Sphagnum pylaesii* (peat moss)  
*Sphagnum riparium* (peat moss)  
*Sphagnum wulfianum* (peat moss)  
*Spiranthes casei* (Case's ladies' tresses) - **U**

### **Cliffs**

#### Circumneutral cliffs

*Asplenium rhizophyllum* (walking fern) - **U**  
*Carex eburnea* (ebony sedge)  
*Carex scirpoidea* (scirpus-like sedge)  
*Cryptogramma stelleri* (slender cliffbrake)  
*Draba breweri* var. *cana* (lance-leaved draba)  
*Dryopteris fragrans* (fragrant fern)  
*Geranium carolinianum* var. *confertiflorum* (cranesbill) - **U**  
*Juniperus horizontalis* (creeping juniper) - **U**  
*Oligoneuron album* (snowy aster)  
*Pellaea atropurpurea* (purple cliffbrake)  
*Saxifraga cernua* (nodding saxifrage)  
*Saxifraga paniculata* ssp. *neogaea* (livelong saxifrage)  
*Woodsia glabella* (smooth woodsia)  
*Woodsia obtusa* (blunt-lobed woodsia)

#### Acidic cliffs

*Arnica lanceolata* (hairy arnica)  
*Aureolaria pedicularia* var. *intercedens* (fern-leaved false foxglove) - **P**  
*Calamagrostis stricta* ssp. *inexpansa* (New England northern reedgrass)  
*Cardamine bellidifolia* (alpine bitter cress)  
*Carex cumulata* (piled-up sedge) - **P**  
*Diapensia lapponica* (diapensia)  
*Geranium carolinianum* var. *carolinianum* (Carolina cranesbill) - **U**  
*Geranium carolinianum* var. *confertiflorum* (cranesbill) - **U**  
*Juncus secundus* (one-sided rush) - **U**  
*Paronychia argyrocoma* (silverling)  
*Poa laxa* ssp. *fernaldiana* (wavy bluegrass)  
*Solidago cutleri* (Cutler's goldenrod)  
*Sphagnum pylaesii* (peat moss)  
*Trichomanes intricatum* (Appalachian filmy fern)

#### **Rocky ridges, outcrops, and slabs**

*Aureolaria pedicularia* var. *intercedens* (fern-leaved false foxglove)  
*Aureolaria virginica* (downy false foxglove)  
*Calamagrostis pickeringii* (Pickering's bluejoint)  
*Calamagrostis stricta* ssp. *inexpansa* (New England northern reedgrass)  
*Calystegia spithamea* (low bindweed)  
*Carex backii* (Back's sedge)

*Carex cumulata* (piled-up sedge)  
*Carex siccata* (hay sedge)  
*Carex umbellata* (hidden sedge)  
*Corydalis aurea* (golden corydalis) – U  
***Geranium carolinianum* var. *carolinianum*** (Carolina cranesbill) - U  
*Geranium carolinianum* var. *confertiflorum* (cranesbill)  
*Juncus secundus* (one-sided rush) - U  
*Juniperus horizontalis* (creeping juniper)  
*Lechea tenuifolia* (slender pinweed)  
*Minuartia glabra* (smooth sandwort)  
*Minuartia michauxii* (rock sandwort)  
*Oligoneuron album* (snowy aster)  
*Pinus banksiana* (jack pine)  
*Piptatherum canadense* (Canadian mountain rice)  
*Polygonum douglasii* (Douglas' knotweed)  
*Sericocarpus linifolius* (white-topped aster)  
*Solidago odora* (sweet goldenrod)  
*Symphotrichum ciliolatum* (ciliated aster)  
*Vulpia octoflora* var. *glauca* (six weeks fescue)

### Dry sandplain openings

Sandplain openings covers a broad array of natural and anthropogenic habitats, including coastal sand dunes, sandy river shores, openings in pine barrens and other sandy woods, as well as sandy road sides and inactive sand pits.

*Acalypha virginica* (Virginia three-seeded mercury)  
*Aletris farinosa* (white colicroot)  
*Ammophila breviligulata* (beach grass)

*Aristida longespica* var. *geniculata* (spiked needle grass)  
*Aristida tuberculosa* (sea-beach needle grass)  
*Artemisia campestris* ssp. *caudata* (tall wormwood)  
*Asclepias amplexicaulis* (blunt-leaved milkweed)  
*Asclepias purpurascens* (purple milkweed)  
*Asclepias tuberosa* (butterfly weed)  
*Bromus kalmii* (Kalm's brome grass)  
*Calystegia spithamea* (low bindweed)  
*Carex adusta* (swarthy sedge)  
*Carex cumulata* (piled-up sedge)  
*Carex polymorpha* (many forms sedge)  
*Carex siccata* (hay sedge)  
*Carex umbellata* (hidden sedge)  
*Cenchrus longispinus* (common sandbur)  
*Chamaecrista nictitans* (wild sensitive senna)  
*Crotalaria sagittalis* (arrow-headed rattlebox)  
*Cuscuta pentagona* (five-angled dodder) - U  
*Cyperus grayi* (Gray's umbrella sedge)  
*Cyperus houghtonii* (Houghton's umbrella sedge)  
*Desmodium marilandicum* (Maryland tick trefoil)  
*Desmodium rotundifolium* (prostrate tick trefoil)  
*Dichanthelium sphaerocarpon* (spherical panic grass)  
*Digitaria filiformis* (slender crabgrass)  
*Eragrostis frankii* (Frank's love grass)  
*Euthamia caroliniana* (grassleaf goldenrod)  
***Geranium carolinianum* var. *carolinianum*** (Carolina cranesbill) - U  
*Houstonia longifolia* (long-leaved bluets)  
*Hudsonia ericoides* (golden heather)  
*Hudsonia tomentosa* var. *intermedia* (hairy hudsonia)  
*Hudsonia tomentosa* var. *tomentosa* (hairy hudsonia)

*Hypoxis hirsuta* (hairy stargrass)  
*Juncus dichotomus* (flat-leaved rush)  
*Juncus secundus* (one-sided rush)  
*Lechea tenuifolia* (slender pinweed)  
*Lespedeza procumbens* (trailing bush-clover)  
*Lespedeza virginica* (slender bush-clover)  
*Liatris scariosa* var. *novae-angliae* (northern blazing star)  
*Linum medium* (common yellow flax)  
*Lupinus perennis* (wild lupine)  
*Panicum philadelphicum* (Philadelphia panic grass) - U  
*Polygala cruciata* var. *aquilonia* (cross polygala)  
*Polygonum erectum* (erect knotweed)  
*Polygonum tenue* (slender knotweed)  
*Prunus americana* (American plum)  
*Pseudognaphalium micradenium* (Heller's sweet everlasting)  
*Pycnanthemum virginianum* (Virginian mountain mint)  
*Rubus cuneifolius* (wedge sand blackberry)  
*Sericocarpus linifolius* (white-topped aster)  
*Solidago odora* (sweet goldenrod)  
*Sphenopholis obtusata* (blunt sphenopholis)  
*Sporobolus cryptandrus* (sand dropseed)  
*Sporobolus neglectus* (small dropseed)  
*Tephrosia virginiana* (goat's rue)  
*Triplasis purpurea* (sand grass)  
*Viola pedata* (bird's-foot violet)  
*Vulpia octoflora* var. *glauca* (six weeks fescue)  
*Waldsteinia fragarioides* (barren strawberry)

### Dry acidic forest

*Acalypha virginica* (Virginia three-seeded mercury)

*Aureolaria pedicularia* var. *intercedens* (fern-leaved false foxglove)  
*Calystegia spithamea* (low bindweed)  
*Carex polymorpha* (many forms sedge)  
*Carex siccata* (hay sedge)  
*Chamaecrista nictitans* (wild sensitive senna)  
*Desmodium obtusum* (stiff tick trefoil)  
*Dichanthelium sphaerocarpon* (spherical panic grass)  
*Eupatorium pubescens* (hairy boneset)  
*Geranium carolinianum* var. *carolinianum* (Carolina cranesbill) - U  
*Houstonia longifolia* (long-leaved bluets)  
*Isotria verticillata* (large whorled pogonia)  
*Juncus secundus* (one-sided rush)  
*Lechea tenuifolia* (slender pinweed)  
*Lespedeza procumbens* (trailing bush-clover)  
*Lespedeza virginica* (slender bush-clover)  
*Linum medium* (common yellow flax)  
*Nabalus serpentarius* (gall-of-the-earth)  
*Panicum philadelphicum* (Philadelphia panic grass) - U  
*Piptatherum canadense* (Canadian mountain rice)  
*Pseudognaphalium micradenium* (Heller's sweet everlasting)  
*Quercus macrocarpa* (mossy-cup oak)  
*Rhododendron periclymenoides* (pink azalea)  
*Sericocarpus linifolius* (white-topped aster)  
*Solidago odora* (sweet goldenrod)  
*Viola pedata* (bird's-foot violet)

### Acidic talus

*Calystegia spithamea* (low bindweed)

*Geranium carolinianum* var. *carolinianum* (Carolina cranesbill)  
*Houstonia longifolia* (long-leaved bluets)  
*Juncus secundus* (one-sided rush)  
*Lechea tenuifolia* (slender pinweed)  
*Luzula spicata* (spiked woodrush) - **P**  
*Paronychia argyrocoma* (silverling)

### Rich woods and talus

Rich woods and talus includes rich mesic forests, dry rich forests, and enriched talus communities.

*Acer nigrum* (black maple)  
*Adlumia fungosa* (climbing fumitory)  
*Amphicarpaea bracteata* var. *comosa* (hog-peanut)  
*Anemone cylindrica* (long-fruited anemone)  
*Arabis canadensis* (sickle-pod)  
*Arabis hirsuta* var. *pyncocarpa* (hairy rock cress)  
*Arabis laevigata* (smooth rock cress)  
*Arabis missouriensis* (Missouri rock cress)  
*Asclepias quadrifolia* (four-leaved milkweed)  
*Asplenium rhizophyllum* (walking fern)  
*Aureolaria virginica* (downy false foxglove)  
*Bromus pubescens* (hairy brome grass)  
*Cardamine concatenata* (cutleaf toothwort)  
*Carex aestivalis* (summer sedge)  
*Carex albursina* (Sheldon's sedge)  
*Carex backii* (Back's sedge)  
*Carex castanea* (chestnut sedge)  
*Carex eburnea* (ebony sedge)

*Carex glaucoidea* (flaccid sedge)  
*Carex hitchcockiana* (Hitchcock's sedge)  
*Carex retroflexa* (reflexed sedge)  
*Carex sparganioides* (bur sedge)  
*Carex umbellata* (hidden sedge)  
*Chenopodium foggii* (Fogg's goosefoot)  
*Clematis occidentalis* (purple clematis)  
*Collinsonia canadensis* (Canada horsebalm)  
*Conopholis americana* (American cancerroot)  
*Corallorhiza odontorhiza* (autumn coralroot)  
*Cynoglossum virginianum* var. *boreale* (wild comfrey)  
*Cypripedium arietinum* (ram's-head lady's slipper)  
*Cypripedium parviflorum* var. *pubescens* (large yellow lady's slipper)  
*Desmodium cuspidatum* (toothed tick trefoil)  
*Desmodium rotundifolium* (prostrate tick trefoil)  
*Dicentra canadensis* (squirrel corn)  
*Diplazium pycnocarpon* (narrow-leaved spleenwort)  
*Dryopteris goldiana* (Goldie's fern)  
*Eupatorium sessilifolium* var. *brittonianum* (upland boneset)  
*Galearis spectabilis* (showy orchis)  
*Galium pilosum* (hairy bedstraw)  
*Gentianella quinquefolia* (stiff gentain)  
*Geranium carolinianum* var. *confertiflorum* (cranesbill)  
*Hackelia deflexa* var. *americana* (nodding stickseed)  
*Hackelia virginiana* (stickseed)  
*Hydrophyllum virginianum* (northern waterleaf)  
*Hypoxis hirsuta* (hairy stargrass)  
*Liparis liliifolia* (large twayblade)  
*Malaxis unifolia* (green adder's mouth)  
*Minuartia michauxii* (rock sandwort)

*Muhlenbergia sobolifera* (sprout muhlenbergia)  
*Muhlenbergia tenuiflora* (slender-flowered muhlenbergia)  
*Osmorhiza berteroi* (mountain sweet cicely)  
*Packera obovata* (round-leaved ragwort)  
*Panax quinquefolius* (ginseng)  
*Paronychia canadensis* (smooth-forked chickweed)  
*Pterospora andromedea* (giant pinedrops)  
*Pycnanthemum incanum* (hoary mountain mint)  
*Pycnanthemum torrei* (Torry's mountain mint)  
*Pyrola asarifolia* (pink wintergreen) - U  
*Ranunculus fascicularis* (early buttercup)  
*Sanicula canadensis* (short-styled sanicle)  
*Sanicula odorata* (cluster sanicle)  
*Sanicula trifoliata* (beaked sanicle)  
*Staphylea trifolia* (bladdernut)  
*Symphyotrichum ciliolatum* (ciliated aster)  
*Symphyotrichum patens* (skydrop aster)  
*Teucrium canadense* var. *virginicum* (Canadian germander)  
*Thalictrum thalictroides* (rue anemone)  
*Trillium grandiflorum* (large-flowered trillium)  
*Triosteum aurantiacum* (orange horse-gentain)  
*Uvularia grandiflora* (large-flowered bellwort)  
*Uvularia perfoliata* (perfoliate bellwort)  
*Viburnum rafinesquianum* (downy arrowwood)  
*Waldsteinia fragarioides* (barren strawberry)  
*Woodsia obtusa* (blunt-lobed woodsia)  
*Zanthoxylum americanum* (northern prickly ash)

#### Acidic mesic forests

*Carex polymorpha* (many forms sedge)

*Corallorhiza odontorhiza* (autumn coralroot)  
*Cypripedium arietinum* (ram's-head lady's slipper)  
*Geocaulon lividum* (northern comandra)  
*Ilex glabra* (inkberry)  
*Isotria medeoloides* (small whorled pogonia)  
*Isotria verticillata* (large whorled pogonia)  
*Malaxis unifolia* (green adder's mouth)  
*Pterospora andromedea* (giant pinedrops)  
*Rhododendron maximum* (giant rhododendron)  
*Rhododendron periclymenoides* (pink azalea)  
*Triphora trianthophora* (three-birds orchid)

#### Rich swamps

Northern species

*Calypso bulbosa* var. *americana* (fairy slipper)  
*Carex baileyi* (Bailey's sedge)  
*Carex bebbii* (Bebb's sedge)  
*Cypripedium arietinum* (ram's-head lady's slipper)  
*Cypripedium parviflorum* var. *makasin* (yellow lady's slipper)  
*Cypripedium parviflorum* var. *pubescens* (large yellow lady's slipper)  
*Cypripedium reginae* (showy lady's slipper)  
*Halenia deflexa* (spurred gentian)  
*Liparis loeselii* (Loesel's twayblade)  
*Listera auriculata* (auricled twayblade)  
*Lysimachia thyrsiflora* (tufted loosestrife)  
*Malaxis monophyllos* ssp. *brachypoda* (white adder's mouth)  
*Malaxis unifolia* (green adder's mouth)  
*Petasites frigidus* var. *palmatus* (sweet coltsfoot)



*Symphotrichum ciliolatum* (ciliated aster)  
*Valeriana uliginosa* (marsh valerian)  
*Viola nephrophylla* (kidney-leaved violet)

#### Southern species

*Allium canadense* (wild garlic)  
*Cardamine bulbosa* (bulbous bitter cress)  
*Carex cristatella* (small-crested sedge)  
*Carex trichocarpa* (hairy-fruited sedge)  
*Cypripedium parviflorum* var. *pubescens* (large yellow lady's slipper)  
*Eupatorium fistulosum* (tubular thoroughwort)  
*Lygodium palmatum* (climbing fern)  
*Malaxis monophyllos* ssp. *brachypoda* (white adder's mouth)  
*Platanthera flava* var. *herbiola* (pale green orchid)  
*Scirpus polyphyllus* (leafy bulrush)  
*Solidago patula* (square-stem goldenrod)

#### Poor swamps

##### Northern species

*Cypripedium arietinum* (ram's-head lady's slipper)  
*Listera convallarioides* (lily-leaved twayblade)  
*Listera cordata* (heart-leaved twayblade)  
*Lysimachia thyrsiflora* (tufted loosestrife)  
*Malaxis unifolia* (green adder's mouth)  
*Sphagnum wulfianum* (peat moss)  
*Symphotrichum ciliolatum* (ciliated aster)

##### Southern species

*Carex albolutescens* (green-white sedge)  
*Carex bullata* (inflated sedge)  
*Carex seorsa* (separated sedge)  
*Eupatorium fistulosum* (tubular thoroughwort)  
*Mikania scandens* (climbing hempweed)  
*Persicaria robustior* (robust knotweed)  
*Platanthera flava* var. *herbiola* (pale green orchid)  
*Polygala cruciata* var. *aquilonia* (cross polygala)  
*Ranunculus ambigens* (water-plantain spearwort)  
*Rhododendron maximum* (giant rhododendron)  
*Woodwardia areolata* (netted chain fern)

#### Aquatic bed

*Crassula aquatica* (pygmy weed)  
*Glyceria acutiflora* (sharp-flowered mannagrass)  
*Heteranthera dubia* (water stargrass)  
*Hippuris vulgaris* (common mare's tail)  
*Hottonia inflata* (featherfoil)  
*Isoetes engelmannii* (Engelmann's quillwort)  
*Isoetes lacustris* (large-spored quillwort)  
*Isoetes riparia* (river bank quillwort)  
*Lemna trisulca* (star duckweed)  
*Lemna valdiviana* (pale duckweed)  
*Megalodonta beckii* (water marigold)  
*Myriophyllum alterniflorum* (alternate-flowered water milfoil)  
*Myriophyllum farwellii* (Farwell's water milfoil)  
*Najas guadalupensis* (Guadalupe water nymph)  
*Nuphar microphylla* (tiny cowlily)

*Potamogeton alpinus* (thin-leaved alpine pondweed)  
*Potamogeton confervoides* (alga pondweed)  
*Potamogeton foliosus* (leafy pondweed)  
*Potamogeton nodosus* (knotty pondweed)  
*Potamogeton obtusifolius* (bluntleaf pondweed)  
*Potamogeton praelongus* (white-stem pondweed)  
*Potamogeton pusillus* ssp. *gemmiparus* (budding pondweed)  
*Potamogeton vaseyi* (Vasey's pondweed)  
*Potamogeton zosteriformis* (flatstem pondweed)  
*Ranunculus ambigenus* (water-plantain spearwort)  
*Sagittaria cuneata* (wapato)  
*Sagittaria rigida* (sessile-fruited arrowhead)  
*Sagittaria teres* (quill-leaved sagittaria)  
*Sclerolepis uniflora* (sclerolepis)  
*Sparganium eurycarpum* (large bur-reed)  
*Stuckenia filiformis* ssp. *alpina* (northern slender pondweed)  
*Stuckenia pectinata* (sago pondweed)  
*Subularia aquatica* var. *americana* (awlwort)  
*Utricularia resupinata* (reversed bladderwort)  
*Zannichellia palustris* (horned pondweed)

### Medium-depth and deep emergent marsh

Emergent marshes occur in water of various depths, but are inundated throughout the year. They are distinguished from wet meadows, in which the water table drops below the surface for a portion of the growing season.

*Bidens laevis* (smooth bidens)  
*Carex atherodes* (awned sedge)  
*Eleocharis erythropoda* (bald spike-rush)

*Equisetum palustre* (marsh horsetail)  
*Glyceria acutiflora* (sharp-flowered mannagrass)  
*Iris prismatica* (slender blue flag)  
*Juncus brachycephalus* (short-fruited rush)  
*Lindernia dubia* var. *anagallidea* (false pimpernel)  
*Lysimachia thyrsiflora* (tufted loosestrife)  
*Mikania scandens* (climbing hempweed)  
*Najas guadalupensis* (Guadalupe waternymph)  
*Rotala ramosior* (lowland toothcup) - U  
*Sagittaria cuneata* (wapato)  
*Scirpus ancistrochaetus* (northeastern bulrush)  
*Scirpus georgianus* (Georgia bulrush)  
*Scirpus longii* (Long's bulrush)  
*Scirpus pendulus* (lined bulrush)  
*Scirpus polyphyllus* (leafy bulrush)  
*Sparganium androcladum* (branching bur-reed)  
*Sparganium eurycarpum* (large bur-reed)

### Wet meadow

Wet meadows are herbaceous wetlands in which the water table is below the surface for a portion of the growing season. These include open meadows maintained through mowing.

### Rich

*Allium canadense* (wild garlic)  
*Bromus kalmii* (Kalm's brome grass)  
*Carex alata* (winged sedge)  
*Carex aurea* (golden-fruited sedge)  
*Carex baileyi* (Bailey's sedge)

*Carex buxbaumii* (Buxbaum's sedge)  
*Carex castanea* (chestnut sedge)  
*Carex cristatella* (small-crested sedge)  
*Carex granularis* (granular sedge)  
*Castilleja coccinea* (scarlet painted cup)  
*Eleocharis intermedia* (matted spike-rush)  
*Eleocharis ovata* (ovoid spike-rush)  
*Eleocharis quinqueflora* (few-flowered spike-rush)  
*Equisetum palustre* (marsh horsetail)  
*Eupatorium fistulosum* (tubular thoroughwort)  
*Gentianella quinquefolia* (stiff gentain)  
*Gentianopsis crinita* (fringed gentian)  
*Halenia deflexa* (spurred gentian)  
*Huperzia selago* (northern firmoss)  
*Iris prismatica* (slender blue flag)  
*Juncus alpinoarticulatus* (alpine rush)  
*Juncus brachycephalus* (short-fruited rush)  
*Liparis loeselii* (Loesel's twayblade)  
*Lobelia kalmii* (Kalm's lobelia)  
*Ophioglossum pusillum* (northern adder's tongue)  
*Parnassia glauca* (grass-of-parnassus)  
*Petasites frigidus* var. *palmatus* (sweet coltsfoot)  
*Physostegia virginiana* (lion's head)  
*Platanthera flava* var. *herbiola* (pale green orchid)  
*Rhynchospora capillacea* (needle beak sedge)  
*Scirpus ancistrochaetus* (northeastern bulrush)  
*Scirpus pendulus* (lined bulrush)  
*Senna hebecarpa* (wild senna)  
*Sisyrinchium mucronatum* (mucronated blue-eyed grass)  
*Solidago patula* (square-stem goldenrod)  
*Spiranthes casei* (Case's ladies' tresses) - U

*Spiranthes lucida* (shining ladies' tresses)  
*Triantha glutinosa* (sticky false asphodel)  
*Valeriana uliginosa* (marsh valerian)  
*Viola nephrophylla* (kidney-leaved violet)

#### Poor

*Arethusa bulbosa* (arethusa)  
*Bidens laevis* (smooth bidens)  
*Calamagrostis cinnoides* (Nuttall's reedgrass)  
*Carex alata* (winged sedge)  
*Carex albolutescens* (green-white sedge)  
*Carex atherodes* (awned sedge)  
*Carex bullata* (inflated sedge)  
*Carex festucacea* (fescue sedge)  
*Carex molesta* (troublesome sedge)  
*Carex nigra* (Goodenough's sedge)  
*Carex rostrata* (swollen-beaked sedge)  
*Cirsium horridulum* (yellow thistle)  
*Cyperus erythrorhizos* (red-root umbrella sedge)  
*Cyperus squarrosus* (incurved umbrella sedge)  
*Elatine americana* (American waterwort)  
*Eupatorium fistulosum* (tubular thoroughwort)  
*Galium obtusum* (large marsh bedstraw)  
*Juncus brachycephalus* (short-fruited rush)  
*Lycopodiella appressa* (slender bog clubmoss)  
*Mikania scandens* (climbing hempweed)  
*Ophioglossum pusillum* (northern adder's tongue)  
*Panicum philadelphicum* (Philadelphia panic grass)  
*Panicum rigidulum* ssp. *pubescens* (long-leaved panic grass)  
*Platanthera flava* var. *herbiola* (pale green orchid)

*Scirpus ancistrochaetus* (northeastern bulrush)  
*Scirpus georgianus* (Georgia bulrush)  
*Scirpus longii* (Long's bulrush)  
*Scirpus pendulus* (lined bulrush)  
*Sisyrinchium mucronatum* (mucronated blue-eyed grass)  
*Sphenopholis obtusata* (blunt sphenopholis)  
*Spiranthes casei* (Case's ladies' tresses) – U  
*Viola striata* (creamy violet)

### **Sandy pondshores / Sand plain basin marshes**

*Aristida longespica* var. *geniculata* (spiked needle grass)  
*Bidens laevis* (smooth bidens)  
*Cuscuta pentagona* (five-angled dodder)  
*Cyperus squarrosus* (incurved umbrella sedge)  
*Eleocharis tuberculosa* (tuberclad spike-rush)  
*Eragrostis hypnoides* (moss love grass)  
*Euthamia caroliniana* (grassleaf goldenrod)  
*Glyceria acutiflora* (sharp-flowered mannagrass)  
*Hudsonia tomentosa* var. *intermedia* (hairy hudsonia)  
*Isoetes engelmannii* (Engelmann's quillwort)  
*Isoetes riparia* (river bank quillwort)  
*Juncus brachycephalus* (short-fruited rush)  
*Lindernia dubia* var. *anagallidea* (false pimpernel)  
*Lipocarpa micrantha* (dwarf bulrush)  
*Lycopodiella appressa* (slender bog clubmoss)  
*Panicum philadelphicum* (Philadelphia panic grass)  
*Panicum rigidulum* ssp. *pubescens* (long-leaved panic grass)  
*Persicaria robustior* (robust knotweed)  
*Polygala cruciata* var. *aquilonia* (cross polygala)  
*Proserpinaca pectinata* (mermaidweed)

*Rotala ramosior* (lowland toothcup)  
*Sagittaria rigida* (sessile-fruited arrowhead)  
*Sagittaria teres* (quill-leaved sagittaria)  
*Scirpus polyphyllus* (leafy bulrush)  
*Scleria reticularis* (stone nutrush)  
*Sclerolepis uniflora* (sclerolepis)  
*Sparganium androcladum* (branching bur-reed)  
*Subularia aquatica* var. *americana* (awlwort)  
*Utricularia resupinata* (reversed bladderwort)  
*Vulpia octoflora* var. *glauca* (six weeks fescue)

### **Floodplain forest**

*Acer nigrum* (black maple)  
*Allium canadense* (wild garlic)  
*Amphicarpaea bracteata* var. *comosa* (hog-peanut)  
*Arisaema dracontium* (green dragon)  
*Betula nigra* (river birch)  
*Cardamine bulbosa* (bulbous bitter cress)  
*Celtis occidentalis* (hackberry)  
*Hackelia virginiana* (stickseed)  
*Liparis liliifolia* (large twayblade)  
*Listera auriculata* (auricled twayblade)  
*Lygodium palmatum* (climbing fern)  
*Platanthera flava* var. *herbiola* (pale green orchid)  
*Pyrola asarifolia* (pink wintergreen)  
*Senna hebecarpa* (wild senna) - U  
*Staphylea trifolia* (bladdernut)  
*Teucrium canadense* var. *virginicum* (Canadian germander)

**Riverbanks**Calcareous riverside seeps

*Allium canadense* (wild garlic)  
*Allium schoenoprasum* (Siberian chives)  
*Astragalus robbinsii* var. *jesupii* (Jesup's milk vetch)  
*Carex aurea* (golden-fruited sedge)  
*Carex cristatella* (small-crested sedge)  
*Carex garberi* (Garber's sedge)  
*Equisetum palustre* (marsh horsetail)  
*Eupatorium fistulosum* (tubular thoroughwort)  
*Gentianella quinquefolia* (stiff gentain)  
*Gentianopsis crinita* (fringed gentian)  
*Halenia deflexa* (spurred gentian)  
*Hypericum ascyron* (great St. John's-wort)  
*Juncus brachycephalus* (short-fruited rush)  
*Liparis loeselii* (Loesel's twayblade)  
*Lobelia kalmii* (Kalm's lobelia)  
*Mimulus moschatus* (muskflower)  
*Packera paupercula* (dwarf ragwort)  
*Parnassia glauca* (grass-of-parnassus)  
*Physostegia virginiana* (lion's head)  
*Rhynchospora capillacea* (needle beak sedge)  
*Spiranthes lucida* (shining ladies' tresses)  
*Triantha glutinosa* (sticky false asphodel)  
*Viola nephrophylla* (kidney-leaved violet)

Northern riverbank species

*Arnica lanceolata* (hairy arnica)

*Astragalus alpinus* var. *brunetianus* (alpine milk vetch)  
*Calamagrostis pickeringii* (Pickering's bluejoint)  
*Calamagrostis stricta* ssp. *inexpansa* (New England northern reedgrass)  
*Carex siccata* (hay sedge) - **P**  
*Corydalis aurea* (golden corydalis)  
*Crataegus oakesiana* (Oakes' hawthorn)  
*Eleocharis diandra* (Wright's spike-rush)  
*Epilobium hornemannii* (Hornemann's willowherb)  
*Geum peckii* (mountain avens)  
*Hieracium robinsonii* (Robinson's hawkweed)  
*Listera auriculata* (auricled twayblade)  
*Lobelia siphilitica* (great lobelia)  
*Paronychia argyrocoma* (silverling)  
*Sagittaria cuneata* (wapato)  
*Salix pellita* (satin willow)  
*Spiranthes casei* (Case's ladies' tresses)  
*Symphotrichum ciliolatum* (ciliated aster)  
*Trisetum melicoides* (bristle grass)  
*Vaccinium cespitosum* (dwarf bilberry)

Southern riverbank species

*Amphicarpaea bracteata* var. *comosa* (hog-peanut)  
*Betula nigra* (river birch)  
*Bidens laevis* (smooth bidens)  
*Bromus kalmii* (Kalm's brome grass)  
*Carex siccata* (hay sedge) - **P**  
*Celtis occidentalis* (hackberry)  
*Corydalis aurea* (golden corydalis) - **U**  
*Cyperus squarrosus* (incurved umbrella sedge)

*Desmodium cuspidatum* (toothed tick trefoil)  
*Eleocharis diandra* (Wright's spike-rush)  
*Eragrostis frankii* (Frank's love grass)  
*Eragrostis hypnoides* (moss love grass)  
*Euthamia caroliniana* (grassleaf goldenrod)  
*Heteranthera dubia* (water stargrass)  
*Hudsonia tomentosa* var. *intermedia* (hairy hudsonia)  
*Isoetes engelmannii* (Engelmann's quillwort)  
*Lipocarpha micrantha* (dwarf bulrush)  
*Menispermum canadense* (yellow parilla)  
*Mikania scandens* (climbing hempweed)  
*Muhlenbergia tenuiflora* (slender-flowered muhlenbergia)  
*Panicum philadelphicum* (Philadelphia panic grass)  
*Paronychia argyrocoma* (silverling)  
*Persicaria robustior* (robust knotweed)  
*Prunus americana* (American plum)  
*Pycnanthemum virginianum* (Virginian mountain mint)  
*Ranunculus ambigens* (water-plantain spearwort)  
*Salix interior* (sandbar willow)  
*Scirpus polyphyllus* (leafy bulrush)  
*Senna hebecarpa* (wild senna)  
*Sparganium androcladum* (branching bur-reed)  
*Sphenopholis obtusata* (blunt sphenopholis)  
*Staphylea trifolia* (bladdernut)  
*Teucrium canadense* var. *virginicum* (Canadian germander)  
*Zanthoxylum americanum* (northern prickly ash)

## Estuarine

### Maritime rocky shores

*Chenopodium rubrum* (coast-blite goosefoot)  
*Leymus mollis* (sea lyme grass)  
*Mertensia maritima* (oyster plant)  
*Potentilla pensylvanica* var. *litoralis* (Pennsylvania cinquefoil)  
*Rumex pallidus* (white dock)  
*Sagina nodosa* ssp. *borealis* (greater pearlwort)

### Brackish marshes, mudflats, and borders

*Bidens hyperborea* (northern beggarticks)  
*Cardamine longii* (Long's bitter cress)  
*Crassula aquatica* (pygmy weed)  
*Echinochloa walteri* (coast barnyard grass)  
*Eleocharis parvula* (small spike-rush)  
*Eleocharis uniglumis* (salt-loving spike-rush)  
*Isoetes riparia* (river bank quillwort)  
*Lilaeopsis chinensis* (eastern lilaeopsis)  
*Limosella australis* (mudwort)  
*Sagittaria montevidensis* ssp. *spongiosa* (spongy hooded arrowhead)  
*Samolus valerandi* ssp. *parviflorus* (false water pimpernel)  
*Zannichellia palustris* (horned pondweed)

### Salt marshes, mudflats, and borders

*Agalinis maritima* (salt-marsh gerardia)  
*Chenopodium rubrum* (coast-blite goosefoot)

*Cirsium horridulum* (yellow thistle)  
*Echinochloa walteri* (coast barnyard grass)  
*Eleocharis parvula* (small spike-rush)  
*Eleocharis uniglumis* (salt-loving spike-rush)  
*Hibiscus moscheutos* (seaside mallow)  
*Honckenya peploides* ssp. *robusta* (sea chickweed)  
*Iris prismatica* (slender blue flag)  
*Iva frutescens* ssp. *oraria* (marsh elder)  
*Leptochloa fusca* ssp. *fascicularis* (salt-meadow grass)  
*Lilaeopsis chinensis* (eastern lilaeopsis)  
*Pluchea odorata* var. *succulenta* (salt marsh fleabane)  
*Polygonum prolificum* (prolific knotweed)  
*Puccinellia tenella* ssp. *langeana* (tundra alkali grass)  
*Salicornia bigelovii* (dwarf glasswort)  
*Sarcocornia perennis* (perennial glasswort)  
*Stuckenia pectinata* (sago pondweed)  
*Suaeda calceoliformis* (horned seablite)  
*Symphotrichum tenuifolium* (large salt marsh aster)

DRAFT

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