

Appendix I

Plant Species of Greatest Conservation Need-Habitat Type Crosswalk

Vermont's Wildlife Action Plan 2015

Appendix I: Plant Species of Greatest Conservation Need -Habitat Type Crosswalk

Taxon	Scientific Name	Common Name	G-Rank	S-Rank	S-Prot	SGCN Priority ¹	Associated Habitats
V	<i>Acalypha gracilens</i>	Slender Copperleaf	G5	S1		M	Old Field Shrub, Powerlines RR Tracks, Sandy Openings, Disturbed natural communities
V	<i>Adiantum aleuticum</i>	Aleutian Maidenhair-fern	G5?	S1		H	Serpentine outcrop*
V	<i>Adiantum viridimontanum</i>	Green Mountain Maidenhair-fern	G2	S2	T	H	Serpentine outcrop*
V	<i>Agastache nepetoides</i>	Yellow Giant Hyssop	G5	S1	T	H	Oak-Pine-Northern Hardwood Forest, Forest Edges Logging Rds
V	<i>Agastache scrophulariifolia</i>	Purple Giant Hyssop	G4	SH	T	H	River cobble shore, Rivershore grassland, Floodplain Forests, Acidic Riverside Outcrop
V	<i>Agrostis mertensii</i>	Boreal Bentgrass	G5	S1		M	Alpine meadow*, Boreal outcrop
V	<i>Allium canadense</i> var. <i>canadense</i>	Wild Garlic	G5	S1	T	M	Alluvial shrub swamp, Floodplain Forests, Silver maple-ostich fern riverine floodplain forest, Silver maple-sensitive fern riverine floodplain forest, Sugar maple-ostich fern riverine floodplain forest
V	<i>Allium schoenoprasum</i>	Siberian Chives	G5T5	S1		M	Riverside sand or gravel shore, Rivershore grassland, Acidic Riverside Outcrop, Calcareous Riverside Outcrop
V	<i>Allium tricoccum</i> var. <i>burdickii</i>	Burdick's Wild Leek	GNR	SH		H	Rich northern hardwood forest
V	<i>Amaranthus tuberculatus</i>	Water Hemp	G4G5	S2		H	Lakeshore grassland, Lake sand beach, Lake shale or cobble beach, Wet Swales Ditches, Lake Mud Shores
V	<i>Amerorchis rotundifolia</i>	Small Round-leaved Orchis	G5	SH		H	Red maple-northern white cedar swamp, Northern white cedar swamp
V	<i>Ammophila breviligulata</i> ssp. <i>champlainensis</i>	Champlain Beach Grass	G1Q	S1	E	H	Lake sand beach*, Sand dune*
V	<i>Anemone cylindrica</i>	Long-headed Thimbleweed	G5	S1S2		M	Temperate calcareous outcrop, Old Field Shrub, Powerlines RR Tracks
V	<i>Anemone multifida</i> var. <i>multifida</i>	Early Thimbleweed	G5	S1	E	H	Calcareous Riverside Outcrop*
V	<i>Anthoxanthum monticola</i> ssp. <i>monticola</i>	Alpine Sweet-grass	G5	S1	T	H	Alpine meadow*
V	<i>Anticlea glauca</i>	White Camas	G5	S1	E	H	Temperate calcareous cliff, Limestone bluff cedar-pine forest
V	<i>Aplectrum hyemale</i>	Putty-root	G5	SH	T	H	Rich northern hardwood forest, Mesic maple-ash-hickory-oak forest
V	<i>Arabidopsis lyrata</i>	Lyre-leaved Rock-cress	G5	S2	T	M	Temperate calcareous outcrop*, Temperate calcareous cliff*
V	<i>Arceuthobium pusillum</i>	Dwarf Mistletoe	G5	S2		M	Black spruce woodland bog*, Black spruce swamp
V	<i>Arethusa bulbosa</i>	Arethusa	G4	S1	T	H	Poor fen*, Rich fen, Intermediate fen*
V	<i>Arisaema dracontium</i>	Green Dragon	G5	S2	T	M	Lakeside floodplain forest*, Silver maple-ostich fern riverine floodplain forest, Silver maple-sensitive fern riverine floodplain forest*
V	<i>Aristida longespica</i> var. <i>geniculata</i>	Spiked Grass	G5	S1		M	Pine-oak-heath sandplain forest, Old Field Shrub
V	<i>Artemisia campestris</i> ssp. <i>canadensis</i>	Boreal Wormwood	G5T5	S2		H	Boreal outcrop, Boreal calcareous cliff*
V	<i>Artemisia campestris</i> ssp. <i>caudata</i>	Beach Wormwort	G5T5	S1		H	Lakeshore grassland, Lake sand beach*
V	<i>Asclepias amplexicaulis</i>	Blunt-leaved Milkweed	G5	S1	T	M	Pine-oak-heath sandplain forest*, Sandy Opening
V	<i>Asclepias tuberosa</i>	Butterfly-weed	G5?	SH	T	M	Old Field Shrub
V	<i>Asclepias verticillata</i>	Whorled Milkweed	G5	S1	PE	M	Temperate calcareous outcrop*
V	<i>Asplenium montanum</i>	Mountain Spleenwort	G5	S1	T	H	Temperate acidic cliff*
V	<i>Asplenium viride</i>	Green Spleenwort	G4	S1	T	H	Boreal calcareous cliff*

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Taxon	Scientific Name	Common Name	G-Rank	S-Rank	S-Prot	SGCN Priority ¹	Associated Habitats
V	<i>Astragalus canadensis</i> var. <i>canadensis</i>	Canadian Milk-vetch	G5	S2	T	H	Lake shale or cobble beach*
V	<i>Astragalus robbinsii</i> var. <i>jesupii</i>	Jesup's Milk-vetch	G5T1	S1	E	H	Calcareous Riverside Outcrop*
V	<i>Astragalus robbinsii</i> var. <i>minor</i>	Blake's Milk-vetch	G5T5	S2		H	Boreal outcrop, Boreal calcareous cliff*
V	<i>Aureolaria flava</i> var. <i>flava</i>	Smooth False-foxtail	G5	S2		M	Temperate calcareous outcrop, Dry oak forest, Dry Red Oak-White Pine Forest, Dry oak-hickory-hophornbeam forest, Powerlines RR Tracks
V	<i>Aureolaria pedicularia</i>	Feverweed	G5	S1		M	Temperate acidic outcrop, Dry oak forest, Powerlines RR Tracks
V	<i>Aureolaria virginica</i>	Downy False-foxtail	G5	S1		M	Temperate calcareous outcrop, Dry oak forest*
V	<i>Bartonia virginica</i>	Yellow Bartonia	G5	S2		M	Red or silver maple-green ash swamp, Red maple-Sphagnum Acidic Basin, Red maple-black gum swamp, Wet Sand-Over-Clay Forest, Red maple-white pine-huckleberry swamp
V	<i>Betula minor</i>	Dwarf Birch	G4	S1	PE	H	Subalpine krummholz*
V	<i>Bidens discoidea</i>	Small Bidens	G5	S2		M	Lakeside floodplain forest*, Red or silver maple-green ash swamp
V	<i>Blephilia ciliata</i>	Downy Wood-mint	G5	SH		H	Old Field Shrub
V	<i>Blephilia hirsuta</i> var. <i>glabrata</i>	Hairy Wood-mint	G5?	S1	T	H	Rich northern hardwood forest*, Old Field Shrub
V	<i>Blephilia hirsuta</i> var. <i>hirsuta</i>	Hairy Wood-mint	G5?T5?	S2	T	H	Rich northern hardwood forest
V	<i>Blitum capitatum</i>	Strawberry Blite	G5	S1		M	Transition hardwood talus woodland, Cultivated Land/ Hayfield, Disturbed natural communities
V	<i>Boechera stricta</i>	Drummond's Rock-cress	G5	S1S2	E	M	Temperate acidic outcrop, Temperate calcareous outcrop, Temperate calcareous cliff, Northern hardwood talus woodland
V	<i>Borodinia missouriensis</i>	Green Rock-cress	G4G5Q	S1		H	Temperate calcareous outcrop, Temperate calcareous cliff
V	<i>Botrychium ascendens</i>	Upswept Moonwort	G3	S1		H	Temperate calcareous outcrop*
V	<i>Botrychium campestre</i>	Prairie Moonwort	G3G4	S1		H	Temperate calcareous outcrop*
V	<i>Botrychium lunaria</i>	Common Moonwort	G5	SH		H	Old Field Shrub
V	<i>Botrychium minganense</i>	Mingan Moonwort	G4G5	SH	E	H	Rich northern hardwood forest
V	<i>Botrychium oneidense</i>	Blunt-lobed Grapefern	G4	S1		H	Northern hardwood forest, Rich northern hardwood forest, Forest Edges Logging Rds
V	<i>Botrychium rugulosum</i>	Rugulose Grape-fern	G3	S1		H	Pine-oak-heath sandplain forest, Old Field Shrub, Sandy Opening
V	<i>Botrychium spathulatum</i>	Spatulate Moonwort	GNF	S1		M	Temperate calcareous outcrop*
V	<i>Botrychium tenebrosum</i>	Shade Moonwort	G5T4	S1		H	Northern white cedar swamp*
V	<i>Braya humilis</i>	Northern Rock-cress	G5	S1	T	H	Boreal calcareous cliff*
V	<i>Bromus kalmii</i>	Wild Chess	G5	S2		M	Temperate calcareous outcrop*, Transition Hardwood Limestone Forest*
V	<i>Calamagrostis canadensis</i> var. <i>langsдорffii</i>	Langsdorf's Bluejoint	G5T5	S1		H	Boreal calcareous cliff
V	<i>Calamagrostis canadensis</i> var. <i>macouniana</i>	Short-flower Bluejoint	G5T5?	SH		H	Marshes & Sedge Meadows
V	<i>Calamagrostis pickeringii</i>	Pickering's Reed Bent-grass	G4	S1		M	Alpine peatland, Shallow emergent marsh
V	<i>Calamagrostis stricta</i> ssp. <i>inexpansa</i>	Bentgrass	G5T5	S1	E	H	Boreal calcareous cliff*, Temperate calcareous cliff

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V	<i>Callitriche hermaphroditica</i>	Northern Water-starwort	G5	SH		H	Lacustrine
V	<i>Callitriche heterophylla</i>	Large Water-starwort	G5	S2		M	Oligotrophic, High Elevation Acidic
V	<i>Calypso bulbosa</i> var. <i>americana</i>	Fairy Slipper	G5	S1	T	H	Northern white cedar swamp*
V	<i>Calystegia silvatica</i> ssp. <i>fraterniflora</i>	Twin-flower Hedge Bindweed	G4G5	S2		H	Old Field Shrub
V	<i>Calystegia spithamea</i> ssp. <i>spithamea</i>	Low Bindweed	G4G5	S2	T	H	Temperate acidic outcrop, Temperate calcareous outcrop, Pine-oak-heath sandplain forest*, Powerlines RR Tracks, Sandy Opening
V	<i>Cardamine bulbosa</i>	Spring Cress	G5	S1		M	Red maple-northern white cedar swamp, Red maple-black ash seepage swamp, Cultivated Land/ Hayfield
V	<i>Cardamine dentata</i>	Cuckoo Flower	GNR	S2		H	Floodplain Forests
V	<i>Cardamine parviflora</i> var. <i>arenicola</i>	Small-flower Bittercress	G5	S2		M	Temperate acidic outcrop, Temperate calcareous outcrop, Open talus, Transition Hardwood Limestone Forest, Dry oak forest, Dry oak-hickory-hophornbeam forest, Transition hardwood talus woodland
V	<i>Carex albicans</i> var. <i>emmonsii</i>	Emmon's Sedge	G5	S1		M	Temperate calcareous outcrop
V	<i>Carex alopecoidea</i>	Foxtail Sedge	G5	S1		H	Rivershore grassland, Lakeside floodplain forest*
V	<i>Carex arcta</i>	Contracted Sedge	G5	S1	E	M	Alluvial shrub swamp, Red maple-northern white cedar swamp
V	<i>Carex atherodes</i>	Awned Sedge	G5	S1		H	Grassland/ Pasture
V	<i>Carex atlantica</i> var. <i>atlantica</i>	Eastern Sedge	G5	S1		M	Poor fen, Rich fen, Alder swamp
V	<i>Carex atlantica</i> var. <i>capillacea</i>	Howe's Sedge	G5T5?	S1		M	Poor fen, Wet Sand-Over-Clay Forest, Powerlines RR Tracks
V	<i>Carex atratiformis</i>	Blackish Sedge	G5	S1	T	H	Alpine meadow*, Boreal calcareous cliff
V	<i>Carex bicknellii</i>	Bicknell's Sedge	G5	SH		H	Old Field Shrub
V	<i>Carex bigelowii</i> ssp. <i>bigelowii</i>	Bigelow's Sedge	G5	S1		H	Alpine peatland, Alpine meadow*, Boreal outcrop
V	<i>Carex bushii</i>	Bush's Sedge	G4	S1		H	Grassland/ Pasture, Old Field Shrub
V	<i>Carex buxbaumii</i>	Buxbaum's Sedge	G5	S1	E	M	Boreal calcareous cliff, Mesic Clayplain forest, Old Field Shrub
V	<i>Carex capillaris</i> ssp. <i>capillaris</i>	Capillary Sedge	G5	S1	T	H	Rich fen
V	<i>Carex chordorrhiza</i>	Creeping Sedge	G5	S1	E	H	Poor fen, Rich fen, Intermediate fen, Red maple-northern white cedar swamp
V	<i>Carex cumulata</i>	Clustered Sedge	G4?	S1		M	Temperate acidic cliff, Pitch pine-oak-heath rocky summit, Sandy Opening
V	<i>Carex davisii</i>	Davis' Sedge	G4	S1		H	Mesic red oak-northern hardwood forest, Forest Edges Logging Rds
V	<i>Carex echinodes</i>	Urchin Sedge	GNR	S1		M	Lakeshore grassland, Lakeside floodplain forest
V	<i>Carex exilis</i>	Bog Sedge	G5	S2		M	Dwarf shrub bog*, Black spruce woodland bog, Poor fen
V	<i>Carex foenea</i>	Bronze Sedge	G5	S2	E	M	Temperate acidic outcrop*, White pine-red oak-black oak forest
V	<i>Carex garberi</i>	Garber's Sedge	G4	S1	T	H	Calcareous riverside seep*
V	<i>Carex glaucodea</i>	Flaccid Sedge	G5T5	SH		H	Outcrops & Upland Meadows, Mesic maple-ash-hickory-oak forest
V	<i>Carex gracilescens</i>	Slender Sedge	G5?	S1		H	Mesic maple-ash-hickory-oak forest
V	<i>Carex livida</i>	Pale Sedge	G5	S1	T	H	Intermediate fen*
V	<i>Carex lupuliformis</i>	False Hop Sedge	G4	S2		M	Deep broadleaf marsh, Lakeside floodplain forest*, Red or silver maple-green ash swamp

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V	<i>Carex merritt-fernaldii</i>	Fernald's Sedge	G5	S1		M	Pine-oak-heath sandplain forest, Sandy Opening
V	<i>Carex michauxiana</i>	Michaux Sedge	G5	S2		M	Dwarf shrub bog, Poor fen*
V	<i>Carex molesta</i>	Troublesome Sedge	G4	S1		H	Erosional river bluff, Temperate acidic outcrop
V	<i>Carex muehlenbergii</i> var. <i>enervis</i>	Nerveless Muehlenberg's Sedge	G5	S1	T	H	Sandy Opening
V	<i>Carex muehlenbergii</i> var. <i>muehlenbergii</i>	Muehlenberg's Sedge	G5	S2		M	Pine-oak-heath sandplain forest*, Powerlines RR Tracks, Sandy Opening
V	<i>Carex oligocarpa</i>	Few-fruited Sedge	G4	S1	E	H	Temperate calcareous outcrop*
V	<i>Carex richardsonii</i>	Richardson's Sedge	G4	S1	E	H	Temperate calcareous outcrop*
V	<i>Carex schweinitzii</i>	Schweinitz's Sedge	G3	S2		H	Rich fen*
V	<i>Carex scirpoidea</i> ssp. <i>scirpoidea</i>	Scirpus-like Sedge	G5	S2		H	Boreal acidic cliff, Boreal calcareous cliff*
V	<i>Carex siccata</i>	Hay Sedge	G5T5	S1	E	M	Lake sand beach, Dry oak forest, Pine-oak-heath sandplain forest
V	<i>Carex sterilis</i>	Dioecious Sedge	G4	S1		H	Rich fen
V	<i>Carex tenuiflora</i>	Thin-flowered Sedge	G5	S1		H	Red maple-northern white cedar swamp, Northern white cedar swamp*
V	<i>Carex vaginata</i>	Sheathed Sedge	G5	S1	E	H	Northern white cedar swamp*
V	<i>Carex wiegandii</i>	Wiegand's Sedge	G3	S1		M	Dwarf shrub bog*
V	<i>Carex willdenowii</i>	Willdenow's Sedge	G5	SH		H	Temperate calcareous cliff, Transition Hardwood Limestone Forest, Transition hardwood talus woodland
V	<i>Carya glabra</i>	Pignut Hickory	G5	S2		M	Mesic maple-ash-hickory-oak forest, Dry oak forest
V	<i>Castilleja septentrionalis</i>	Pale Painted-cup	G5	S1	T	H	Boreal calcareous cliff*
V	<i>Ceanothus herbaceus</i>	Prairie Redroot	G5	S1	E	H	Powerlines RR Tracks
V	<i>Cerastium nutans</i> ssp. <i>nutans</i>	Nodding Chickweed	G5	S1		H	Temperate calcareous outcrop
V	<i>Chamaecrista nictitans</i> var. <i>nictitans</i>	Wild Sensitive Plant	G5	S2		M	Roadsides, Powerlines RR Tracks, Sandy Opening
V	<i>Chenopodium berlandieri</i> var. <i>bushianum</i>	Bush's Goosefoot	G5T4	S1		H	Lake sand beach, Lake shale or cobble beach, Powerlines RR Tracks
V	<i>Chenopodium foggii</i>	Fogg's Goosefoot	G2G3	S1		H	Temperate calcareous outcrop, Open talus
V	<i>Cirsium discolor</i>	Field Thistle	G5	S2		M	Old Field Shrub
V	<i>Claytonia virginica</i>	Virginia Spring Beauty	G5	S2		H	Rich northern hardwood forest, Mesic red oak-northern hardwood forest
V	<i>Collinsia parviflora</i>	Small-flowered Collinsia	G5	SH		H	Transition hardwood talus woodland
V	<i>Collinsonia canadensis</i>	Canada Horse-balm	G5	S2		M	Rich northern hardwood forest, Mesic maple-ash-hickory-oak forest*, Forest Edges Logging Rds
V	<i>Corallorhiza odontorhiza</i> var. <i>odontorhiza</i>	Autumn Coral-root	G5	S2	T	M	Oak-Pine-Northern Hardwood Forest*
V	<i>Cornus florida</i>	Flowering Dogwood	G5	S1	T	M	Mesic red oak-northern hardwood forest, Mesic maple-ash-hickory-oak forest
V	<i>Corydalis aurea</i>	Golden Corydalis	G5	S2	T	H	Temperate calcareous cliff*, Limestone bluff cedar-pine forest
V	<i>Crassula aquatica</i>	Pygmyweed	G5	S1		M	medium size, mid-reach, low gradient streams
V	<i>Crataegus biltmoreana</i>	Biltmore Hawthorn	G5	S1		M	Temperate calcareous outcrop*
V	<i>Crataegus boyntonii</i>	Stinking Hawthorn	GNR	SH		H	Outcrops & Upland Meadows, Old Field Shrub, Forest Edges Logging Rds, Disturbed natural communities
V	<i>Crataegus brainerdii</i>	Brainerd's Hawthorn	G5	SU		H	Forest Edges Logging Rds
V	<i>Crataegus chrysocarpa</i> var. <i>praecox</i>	Precocious Hawthorn	GNR	SH		H	Transition hardwood talus woodland, Old Field Shrub
V	<i>Crataegus dodgei</i>	Dodge's Hawthorn	G4	S1		H	Disturbed natural communities
V	<i>Crataegus faxonii</i>	Faxon's Hawthorn	G5	SU		H	Forest Edges Logging Rds

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V	<i>Crataegus irrasa</i> var. <i>blanchardii</i>	Zigzag Hawthorn	GNR	S1		H	Forest Edges Logging Rds, Roadsides
V	<i>Crataegus irrasa</i> var. <i>irrasa</i>	Zigzag Hawthorn	GNR	S1		M	
V	<i>Crataegus kennedyi</i>	Kennedy's Hawthorn	GNA	SH		H	Boreal outcrop
V	<i>Crataegus lucorum</i>	Grove Hawthorn	G4?	SU		H	Outcrops & Upland Meadows, Old Field Shrub, Forest Edges Logging Rds
V	<i>Crataegus macracantha</i> var. <i>occidentalis</i>	Western Long-spine Hawthorn	GNR	SU		H	Cliffs & Talus
V	<i>Crataegus oakesiana</i>	Oake's Hawthorn	GNR	S1S2		H	Roadsides, Powerlines RR Tracks
V	<i>Crataegus pisifera</i>	Pea Hawthorn	GNR	SH		H	Forest Edges Logging Rds
V	<i>Crataegus populnea</i>	Poplar Hawthorn	GNR	S1		H	River cobble shore, Rivershore grassland
V	<i>Crataegus scabrada</i>	Harsh Hawthorn	G5?	SU		H	Old Field Shrub
V	<i>Crataegus succulenta</i> var. <i>succulenta</i>	Fleshy Hawthorn	G4G5	S1		H	Old Field Shrub, Roadsides
V	<i>Crepidomanes intricatum</i>	Weft Fern	G4G5	S1		H	Temperate acidic cliff*
V	<i>Crocanthemum bicknellii</i>	Plains Frostweed	G5	S2		M	White pine-red oak-black oak forest, Pine-oak-heath sandplain forest*, Sandy Opening
V	<i>Crotalaria sagittalis</i>	Rattlebox	G5	S1	T	M	Grassland/ Pasture, Powerlines RR Tracks
V	<i>Cuscuta cephalanthi</i>	Buttonbush Dodder	G5	S1		M	Powerlines RR Tracks
V	<i>Cuscuta gronovii</i> var. <i>latiflora</i>	Broad-flower Dodder	GNR	SU		H	Upland shores, Outcrops & Upland Meadows, Old Field Shrub
V	<i>Cynoglossum virginianum</i> var. <i>boreale</i>	Northern Wild Comfrey	G5T4	S1	T	H	Dry oak-hickory-hophornbeam forest*
V	<i>Cyperus diandrus</i>	Low Cyperus	G5	S1	E	M	Lake sand beach*
V	<i>Cyperus houghtonii</i>	Houghton's Cyperus	G4?	S2	T	H	Pine-oak-heath sandplain forest*, Sandy Opening
V	<i>Cypripedium arietinum</i>	Ram's Head Lady's-slipper	G3	S2	T	H	Red maple-northern white cedar swamp*, Northern white cedar swamp, Limestone bluff cedar-pine forest*
V	<i>Cypripedium parviflorum</i> var. <i>makasin</i>	Makasin's Yellow Lady-slipper	G5	S2S3		H	Red maple-northern white cedar swamp*, Northern white cedar swamp
V	<i>Cystopteris laurentiana</i>	Laurentian Bladder fern	G3	S1		H	Boreal calcareous cliff*
V	<i>Descurainia pinnata</i> var. <i>brachycarpa</i>	Tansy-mustard	G5	S1		H	Temperate calcareous outcrop
V	<i>Desmodium cuspidatum</i>	Large-bracted Tick-trefoil	G5	S1	E	H	Mesic maple-ash-hickory-oak forest, Powerlines RR Tracks
V	<i>Desmodium perplexum</i>	Perplexed Tick-trefoil	G5	S2		M	Temperate calcareous outcrop, Powerlines RR Tracks
V	<i>Desmodium rotundifolium</i>	Prostrate Tick-trefoil	G5	S1	T	M	Mesic maple-ash-hickory-oak forest, Dry oak forest
V	<i>Diapensia lapponica</i> ssp. <i>lapponica</i>	Diapensia	G5	S1	E	H	Alpine meadow*
V	<i>Dichanthelium oligosanthes</i>	Few-flowered Panic-grass	G5	S2		M	Pine-oak-heath sandplain forest, Old Field Shrub, Powerlines RR Tracks
V	<i>Dichanthelium oligosanthes</i> ssp. <i>scribnerianum</i>	Few-flowered Panic-grass	G5	S2		M	Temperate acidic outcrop, Powerlines RR Tracks
V	<i>Dichanthelium sphaerocarpon</i>	Spherical Panic-grass	G5	S1		M	Temperate acidic outcrop, Temperate calcareous outcrop
V	<i>Diphasiastrum complanatum</i>	Northern Ground-cedar	G5	S1S2		M	Spruce-Fir Northern Hardwood Forest, Old Field Shrub
V	<i>Diphasiastrum sabinifolium</i>	Ground-fir	G4	S2		M	Old Field Shrub, Powerlines RR Tracks
V	<i>Draba cana</i>	Lanceolate Cress	G5	S1	T	H	Boreal calcareous cliff*
V	<i>Draba glabella</i>	Smooth Draba	G4G5	S1	T	H	Temperate calcareous cliff, Limestone bluff cedar-pine forest
V	<i>Dracocephalum parviflorum</i>	American Dragonhead	G5	SH	T	H	Temperate calcareous outcrop

Appendix I: Plant Species of Greatest Conservation Need-Habitat Type Crosswalk

Taxon	Scientific Name	Common Name	G-Rank	S-Rank	S-Prot	SGCN Priority ¹	Associated Habitats
V	<i>Dryopteris filix-mas</i>	Male Fern	G5	S2	T	H	Northern hardwood forest, Rich northern hardwood forest*
V	<i>Dryopteris fragrans</i>	Fragrant Fern	G5	S2		M	Boreal acidic cliff, Boreal calcareous cliff*
V	<i>Elatine americana</i>	American Waterwort	G4	SH		H	Lake Mud Shores, River Stream mud shore
V	<i>Elatine minima</i>	Small Water-wort	G5	S1		M	Meso-eutrophic
V	<i>Eleocharis aestuum</i>	Tidal Spikerush	G3	S1		H	Lake Mud Shores
V	<i>Eleocharis compressa</i> var. <i>compressa</i>	Flat-stem Spikerush	GNR	SH		H	Lake Mud Shores
V	<i>Eleocharis diandra</i>	Wright's Spikerush	G2	S1		H	Riverside sand or gravel shore, River mud shore, Lake sand beach*
V	<i>Eleocharis flavescens</i> var. <i>olivacea</i>	Olive Spikerush	G5	S1		M	Outwash plain pondshore
V	<i>Eleocharis nitida</i>	Slender Spikerush	G4	SH		H	Wet Shores, Lake Mud Shores
V	<i>Eleocharis quinqueflora</i>	Few-flowered Spikerush	G5	S2	T	M	Rich fen, Intermediate fen, Calcareous riverside seep, Boreal calcareous cliff
V	<i>Eleocharis robbinsii</i>	Robbins Spikerush	G4G5	S1		M	Oligotrophic*
V	<i>Elymus macgregorii</i>	MacGregor's Wild Rye	GNR	SH		H	Rivershore grassland
V	<i>Elymus villosus</i> var. <i>arkansanus</i>	Hairy Wild-rye	G5	S1		H	Silver maple-ostrich fern riverine floodplain forest, Rich northern hardwood forest, Transition hardwood talus woodland
V	<i>Elymus villosus</i> var. <i>villosus</i>	Hairy Wild-rye	GNR	S1		M	Calcareous Riverside Outcrop, Temperate calcareous cliff, Open talus
V	<i>Empetrum nigrum</i>	Black Crowberry	G5	S1		H	Alpine peatland, Alpine meadow*, Serpentine outcrop
V	<i>Epilobium palustre</i>	Marsh Willow-herb	G5	S1S2		M	Dwarf shrub bog, Poor fen*
V	<i>Equisetum palustre</i>	Marsh Horsetail	G5	S2	T	M	Lake sand beach, Lake shale or cobble beach, Cultivated Land/ Hayfield, Roadsides, Wet Swales Ditches
V	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane	G5	S2		H	Calcareous Riverside Outcrop, Boreal calcareous cliff*
V	<i>Erigeron philadelphicus</i> var. <i>provancheri</i>	Provancher's Dwarf Fleabane	G5T2	S1		H	Temperate calcareous outcrop*
V	<i>Eriophorum gracile</i>	Slender Cotton-grass	G5	S1		M	Rich fen, Intermediate fen*
V	<i>Eriophorum tenellum</i>	Rough Cotton-grass	G5	S1S2		M	Poor fen*
V	<i>Eupatorium sessilifolium</i>	Sessile-leaved Boneset	G5	S1	E	M	Mesic maple-ash-hickory-oak forest, Transition hardwood talus woodland
V	<i>Euphorbia nutans</i>	Nodding Spurge	G5	S1		H	Grassland/ Pasture, Old Field Shrub
V	<i>Eurybia radula</i>	Rough-leaved Aster	G5	S2		M	Dwarf shrub bog*
V	<i>Festuca brachyphylla</i> ssp. <i>brachyphylla</i>	Shortleaf Fescue	G5	S1		H	Boreal outcrop*
V	<i>Fimbristylis autumnalis</i>	Autumn Fimbristylis	G5	S1	E	M	Outwash plain pondshore
V	<i>Floerkea proserpinacoides</i>	False Mermaid-weed	G5	SH		H	Floodplain Forests
V	<i>Galium brevipes</i>	Limestone Swamp Bedstraw	G4?	SH		H	Rich fen, Intermediate fen, Calcareous red maple-tamarack swamp
V	<i>Galium labradoricum</i>	Bog Bedstraw	G5	S1	T	H	Poor fen
V	<i>Galium pilosum</i>	Hairy Bedstraw	G5	S1		M	Oak-Pine-Northern Hardwood Forest
V	<i>Gentiana andrewsii</i>	Fringe-top Closed Gentian	G5?	S2	T	H	Sedge meadow, Lakeshore grassland, Lake shale or cobble beach
V	<i>Gentianella amarella</i>	Felwort	G5	SH	T	H	Boreal calcareous cliff
V	<i>Gentianella quinquefolia</i>	Stiff Gentian	G5	S1	T	M	Temperate calcareous outcrop
V	<i>Geum vernum</i>	Spring Avens	G5	S1		H	Old Field Shrub
V	<i>Glyceria acutiflora</i>	Sharp Manna-grass	G5	S1	E	M	Red maple-Sphagnum Acidic Basin*, Vernal pool
V	<i>Glyceria septentrionalis</i>	Eastern Manna-grass	G5	S2		M	Buttonbush swamp*, Red maple-Sphagnum Acidic Basin, Vernal pool
V	<i>Goodyera oblongifolia</i>	Giant Rattlesnake-plantain	G5?	SH		H	Northern White Cedar Sloping Seepage Forest, Spruce-Fir Northern

Appendix I: Plant Species of Greatest Conservation Need-Habitat Type Crosswalk

Taxon	Scientific Name	Common Name	G-Rank	S-Rank	S-Prot	SGCN Priority ¹	Associated Habitats
							Hardwood Forest, Lowland spruce-fir forest
V	<i>Gymnocarpium jessoense</i> ssp. <i>parvulum</i>	Northern Oak Fern	G5T4	SU		H	Temperate acidic outcrop, Temperate calcareous outcrop
V	<i>Hackelia deflexa</i> ssp. <i>americana</i>	Nodding Stickseed	G5T5	S2	T	H	Temperate calcareous cliff, Northern hardwood talus woodland, Transition hardwood talus woodland*
V	<i>Halenia deflexa</i>	Spurred Gentian	G5	S1		M	Forest Edges Logging Rds
V	<i>Hedysarum alpinum</i>	Alpine Sweet-broom	G5	S1		M	Boreal calcareous cliff*
V	<i>Helenium autumnale</i>	Sneezeweed	G5	S1		M	Lake shale or cobble beach*
V	<i>Helianthus strumosus</i>	Harsh Sunflower	G5	S2S3	T	M	Erosional river bluff, Temperate calcareous outcrop, Mesic Clayplain forest, Pine-oak-heath sandplain forest*, Roadsides, Powerlines RR Tracks, Sandy Opening
V	<i>Hieracium umbellatum</i>	Umbellate Hawkweed	G5	SU		H	Old Field Shrub
V	<i>Hippuris vulgaris</i>	Mare's-tail	G5	S1	E	M	medium size, mid-reach, low gradient streams*
V	<i>Houstonia longifolia</i>	Longleaf Bluet	G4G5	S2		M	Temperate acidic outcrop, Temperate calcareous outcrop*
V	<i>Hudsonia tomentosa</i>	Beach Heather	G5	S1	E	H	Sand dune*
V	<i>Huperzia appressa</i>	Mountain Fir Clubmoss	G4G5	S2		H	Alpine meadow*, Boreal outcrop, Boreal acidic cliff*, Subalpine krummholz*
V	<i>Huperzia selago</i>	Northern Fir Clubmoss	G5	S1		H	Sandy Opening
V	<i>Hybanthus concolor</i>	Green Violet	G5	S1		H	Transition hardwood talus woodland*
V	<i>Hydrastis canadensis</i>	Golden-seal	G4	S1	E	H	Rich northern hardwood forest*
V	<i>Hydrophyllum canadense</i>	Broad-leaved Waterleaf	G5	S1	T	H	Sugar maple-ostrich fern riverine floodplain forest*
V	<i>Hypericum ascyron</i>	Great St. John's-wort	G4	S2	T	M	River cobble shore, Riverside sand or gravel shore, Riverside grassland, Acidic Riverside Outcrop
V	<i>Hypericum gentianoides</i>	Orange Grass	G5	S2		M	Powerlines RR Tracks, Sandy Opening
V	<i>Hypopitys lanuginosa</i>	Red Pine-sap	GNR	SU		H	Dry Red Oak-White Pine Forest
V	<i>Ilex laevigata</i>	Smooth Holly	G5	S1		M	Red maple-black gum swamp*
V	<i>Isoetes engelmannii</i>	Engelmann's Quillwort	G4	S1	T	M	Lake sand beach
V	<i>Isoetes lacustris</i>	Lake Quillwort	G5	S1		M	Meso-eutrophic
V	<i>Isoetes riparia</i>	River-bank Quillwort	G5?	S2		M	River mud shore
V	<i>Isoetes tuckermanii</i>	Tuckerman's Quillwort	G4?	S1		M	Oligotrophic
V	<i>Isoetes viridimontana</i>	Green mountain Quillwort	G1	S1	PE	M	Oligotrophic*
V	<i>Isotria verticillata</i>	Large Whorled Pogonia	G5	S2	T	M	Mesic red oak-northern hardwood forest*, Dry oak forest, Pine-oak-heath sandplain forest
V	<i>Juncus acuminatus</i>	Tapering Rush	G5	S1		M	Deep bulrush marsh, Shallow emergent marsh, Riverside sand or gravel shore
V	<i>Juncus alpinoarticulatus</i>	Alpine Rush	G5	S2		M	River cobble shore, Riverside sand or gravel shore, Wet Swales Ditches
V	<i>Juncus antheratus</i>	Greater Poverty Rush	GNR	S1?		M	Wet Swales Ditches, Lake Mud Shores
V	<i>Juncus greenei</i>	Greene's Rush	G5	S2	E	M	Powerlines RR Tracks, Sandy Opening
V	<i>Juncus militaris</i>	Soldier Rush	G4	S1	E	M	Lacustrine
V	<i>Juncus secundus</i>	Secund Rush	G5?	S1	E	M	Temperate acidic cliff*
V	<i>Juncus subcaudatus</i>	Woodland Rush	G5	S1		M	Riverside sand or gravel shore
V	<i>Juncus torreyi</i>	Torrey's Rush	G5	S2	E	H	Cultivated Land/ Hayfield, Powerlines RR Tracks, Wet Swales Ditches
V	<i>Juncus trifidus</i>	Highland Rush	G5	S1S2		H	Alpine meadow*
V	<i>Juncus vaseyi</i>	Vasey Rush	G5?	S1		H	Sedge meadow, Wet Swales Ditches
V	<i>Juniperus horizontalis</i>	Creeping Juniper	G5	S1	T	H	Temperate calcareous outcrop*

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Taxon	Scientific Name	Common Name	G-Rank	S-Rank	S-Prot	SGCN Priority ¹	Associated Habitats
V	<i>Lactuca hirsuta</i>	Hairy Lettuce	G5?	S1S2	T	H	Pine-oak-heath sandplain forest*, Powerlines RR Tracks, Sandy Opening
V	<i>Lathyrus japonicus</i> var. <i>maritimus</i>	Beach Pea	G5T4T5	S2	T	M	Lake sand beach*, Sand dune
V	<i>Lathyrus ochroleucus</i>	Pale Vetchling	G4G5	S2		H	Limestone bluff cedar-pine forest
V	<i>Lathyrus palustris</i>	Marsh Vetchling	G5	S2	T	M	Riverside sand or gravel shore, Lake shale or cobble beach*
V	<i>Lechea minor</i>	Lesser Pinweed	G5	SH		H	Pine-oak-heath sandplain forest, Forest Edges Logging Rds, Sandy Opening
V	<i>Lechea mucronata</i>	Hairy Pinweed	G5	S1	E	M	Old Field Shrub, Powerlines RR Tracks, Sandy Opening
V	<i>Lemna perpusilla</i>	Minute Duckweed	G5	SH		H	Rivershore grassland, Lacustrine
V	<i>Lemna turionifera</i>	Turion Duckweed	G5	SH		H	Lacustrine
V	<i>Lespedeza frutescens</i>	Violet Bush-clover	G5	S1	T	M	Transition Hardwood Limestone Forest, Dry oak-hickory-hophornbeam forest
V	<i>Lespedeza hirta</i> ssp. <i>hirta</i>	Hairy Bush-clover	G5	S1	T	M	Dry oak forest, Sandy Opening
V	<i>Lespedeza procumbens</i>	Trailing Bush-clover	G5	S1		M	Powerlines RR Tracks
V	<i>Leucophysalis grandiflora</i>	Large White-flowered Ground-cherry	G4?	SH		H	Old Field Shrub
V	<i>Linum medium</i>	Stiff Yellow Flax	G5	S1		H	Powerlines RR Tracks
V	<i>Linum sulcatum</i> var. <i>sulcatum</i>	Grooved Yellowflax	G5T5	SH		H	Outcrops & Upland Meadows, Sandy Opening
V	<i>Liparis liliifolia</i>	Lily-leaved Twayblade	G5	S1	T	H	Red maple-northern white cedar swamp*
V	<i>Liriodendron tulipifera</i>	Tulip Tree	G5	S1	PE	M	Mesic red oak-northern hardwood forest
V	<i>Littorella americana</i>	American Shore-grass	G5	S2		M	Oligotrophic
V	<i>Lobelia siphilitica</i> var. <i>siphilitica</i>	Great Blue Lobelia	G5	S1		H	Sedge meadow, Rivershore grassland
V	<i>Lobelia spicata</i> var. <i>hirtella</i>	Hairy Spike Lobelia	G5T4T5	SH		H	Temperate calcareous cliff, Temperate Hemlock-Hardwood Forest
V	<i>Lonicera hirsuta</i>	Hairy Honeysuckle	G4G5	S2		H	Temperate calcareous outcrop, Mesic maple-ash-hickory-oak forest, Dry oak-hickory-hophornbeam forest
V	<i>Lonicera oblongifolia</i>	Swamp Fly-honeysuckle	G4	S2		M	Red maple-northern white cedar swamp, Red maple-black ash seepage swamp, Northern white cedar swamp
V	<i>Ludwigia polycarpa</i>	Many-fruited False-loosestrife	G4	S1	E	H	Deep broadleaf marsh, Outwash plain pondshore, River mud shore
V	<i>Lupinus perennis</i>	Wild Lupine	G5	S1	E	H	Pine-oak-heath sandplain forest, Sandy Opening
V	<i>Luzula spicata</i>	Spiked Wood-rush	G5	S1		H	Boreal outcrop*
V	<i>Lycopus virginicus</i>	Virginia Bugleweed	G5	S2		M	Red maple-Sphagnum Acidic Basin, Red maple-black ash seepage swamp, Seep
V	<i>Lysimachia hybrida</i>	Lance-leaved Loosestrife	G5	S1		M	Lakeside floodplain forest
V	<i>Lythrum alatum</i> ssp. <i>alatum</i>	Winged-loosestrife	G5T5	SH		H	Marshes & Sedge Meadows
V	<i>Malaxis monophyllos</i> var. <i>brachypoda</i>	White Adder's Mouth	G4Q	S2S3	T	H	Red or silver maple-green ash swamp, Red maple-northern white cedar swamp, Red maple-black ash seepage swamp, Northern white cedar swamp
V	<i>Malaxis unifolia</i>	Green Adder's Mouth	G5	S2		M	Red maple-Sphagnum Acidic Basin, Red maple-northern white cedar swamp, Calcareous red maple-tamarack swamp, Red maple-black ash seepage swamp, Temperate acidic cliff
V	<i>Minuartia groenlandica</i>	Mountain Sandwort	G5	S1		H	Alpine meadow

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Taxon	Scientific Name	Common Name	G-Rank	S-Rank	S-Prot	SGCN Priority¹	Associated Habitats
V	<i>Minuartia marcescens</i>	Marcescent Sandwort	G2	S1	T	H	Serpentine outcrop
V	<i>Minuartia rubella</i>	Marble Sandwort	G5	S1	T	H	Boreal calcareous cliff
V	<i>Moehringia macrophylla</i>	Large-leaved Sandwort	G4	S2		H	Serpentine outcrop
V	<i>Monarda punctata</i>	Dotted Horsemint	G5	S1		H	Sandy Opening
V	<i>Morus rubra</i>	Red Mulberry	G5	S1	T	H	Dry oak-hickory-hophornbeam forest
V	<i>Muhlenbergia schreberi</i>	Schreber's Muhly	G5	S2		M	Powerlines RR Tracks
V	<i>Muhlenbergia sobolifera</i>	Sprout Muhly	G5	S2		M	Temperate calcareous outcrop, Transition Hardwood Limestone Forest, Dry oak-hickory-hophornbeam forest, Powerlines RR Tracks
V	<i>Muhlenbergia sylvatica</i>	Woodland Muhly	G5	S1		M	Oak-Pine-Northern Hardwood Forest
V	<i>Myosotis laxa</i>	Smaller Forget-me-not	G5	S2		M	Red maple-northern white cedar swamp, Seep
V	<i>Myosotis verna</i>	Spring Forget-me-not	G5	S1S2		M	Temperate calcareous outcrop, Grassland/ Pasture
V	<i>Myriophyllum humile</i>	Low Water-milfoil	G5	S1S2		M	Dystrophic
V	<i>Nabalus boottii</i>	Boott's Rattlesnake-root	G2	S1	E	H	Alpine meadow, Boreal acidic cliff
V	<i>Najas gracillima</i>	Slender Naiad	G5?	S2		M	Meso-eutrophic
V	<i>Najas guadalupensis</i>	Guadalupe Naiad	G5	S2		M	Meso-eutrophic
V	<i>Neottia auriculata</i>	Auricled Twayblade	G3G4	S1	E	H	Alder swamp, Alluvial shrub swamp
V	<i>Neottia bifolia</i>	Southern Twayblade	G4	S1	E	H	Dwarf shrub bog, Black spruce woodland bog
V	<i>Nymphaea leibergii</i>	Dwarf Water-lily	G5	S1	E	H	medium size, mid-reach, low gradient streams
V	<i>Oclemena nemoralis</i>	Bog Aster	G5	S2		M	Dwarf shrub bog, Black spruce woodland bog
V	<i>Oenothera nutans</i>	Nodding Evening-primrose	G4	SH		H	Old Field Shrub
V	<i>Omalotheca sylvatica</i>	Woodland Cudweed	G5	S1	E	M	Forest Edges Logging Rds
V	<i>Ophioglossum pusillum</i>	Northern Adder's-tongue	G5	S1		H	Open Peatlands, Grassland/ Pasture
V	<i>Osmorhiza depauperata</i>	Blunt-fruited Sweet-cicely	G5	SH		H	Rich northern hardwood forest
V	<i>Oxalis violacea</i>	Violet Wood-sorrel	G5	SH		H	Northern hardwood talus woodland
V	<i>Panax quinquefolius</i>	American Ginseng	G3G4	S3		H	Rich northern hardwood forest, Mesic red oak-northern hardwood forest
V	<i>Panicum flexile</i>	Stiff Witch-grass	G5	S1	E	H	Temperate calcareous cliff
V	<i>Panicum philadelphicum</i> var. <i>philadelphicum</i>	Philadelphia Panic-grass	G5	S1		M	Temperate calcareous outcrop
V	<i>Parathelypteris simulata</i>	Massachusetts Fern	G4G5	S2		M	Red maple-Sphagnum Acidic Basin, Red maple-black gum swamp, Hemlock-Sphagnum Acidic Basin Swamp
V	<i>Paronychia canadensis</i>	Smooth Forked Chickweed	G5	S1		H	Temperate calcareous outcrop, Dry oak-hickory-hophornbeam forest, Dry oak woodland
V	<i>Paronychia fastigiata</i>	Hairy Forked Chickweed	GNR	SU		H	Dry oak-hickory-hophornbeam forest
V	<i>Paspalum setaceum</i> var. <i>muhlenbergii</i>	Slender Paspalum	G3G5	S2		M	Erosional river bluff, Old Field Shrub, Powerlines RR Tracks, Sandy Opening
V	<i>Penstemon pallidus</i>	Pale Beardtongue	G5	S1		M	Roadsides
V	<i>Persicaria careyi</i>	Carey's Smartweed	G4	S1		M	Grassland/ Pasture, Roadsides
V	<i>Petasites frigidus</i> var. <i>palmatus</i>	Sweet Coltsfoot	G5T5	S2	T	M	Northern white cedar swamp, Hemlock-Balsam Fir-Black Ash Seepage Swamp
V	<i>Phragmites australis</i> ssp. <i>americanus</i>	American Reedgrass	G5	S1S2		H	Deep bulrush marsh, Cattail marsh
V	<i>Physalis grisea</i>	Strawberry-tomato	G5?	S1		M	Grassland/ Pasture, Cultivated Land/ Hayfield
V	<i>Physostegia virginiana</i>	Obedience	G5	S2	T	M	Lakeshore grassland, Lake shale or cobble beach

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Taxon	Scientific Name	Common Name	G-Rank	S-Rank	S-Prot	SGCN Priority ¹	Associated Habitats
V	<i>Pilea fontana</i>	Black-seeded Clearweed	G5	SH		H	River mud shore, River Stream mud shore
V	<i>Pinguicula vulgaris</i>	Butterwort	G5	S1		H	Boreal calcareous cliff
V	<i>Pinus banksiana</i>	Jack Pine	G5	SH	T	M	Dry Red Oak-White Pine Forest
V	<i>Piptatheropsis pungens</i>	Slender Mountain-rice	G5	S2	T	M	Temperate acidic outcrop, White pine-red oak-black oak forest, Pine-oak-heath sandplain forest
V	<i>Platanthera blephariglottis</i> var. <i>blephariglottis</i>	White-fringed Orchis	G4G5	S2		M	Dwarf shrub bog, Black spruce woodland bog
V	<i>Platanthera flava</i> var. <i>herbiola</i>	Tubercled Orchis	G4	S2	T	M	Sedge meadow, River cobble shore, Rivershore grassland, Alluvial shrub swamp
V	<i>Platanthera hookeri</i>	Hooker's Orchis	G5	S2	T	M	Rich northern hardwood forest, Mesic red oak-northern hardwood forest, Mesic maple-ash-hickory-oak forest
V	<i>Platanthera macrophylla</i>	Large Roundleaf Orchid	G4	S1		M	Spruce-Fir Northern Hardwood Forest, Northern Hardwood Forest
V	<i>Platanthera orbiculata</i>	Roundleaf Orchid	G5	S2		M	Mesic red oak-northern hardwood forest, Oak-Pine-Northern Hardwood Forest
V	<i>Poa glauca</i> ssp. <i>glauca</i>	Glaucous Bluegrass	G5T5	SH		H	Temperate calcareous outcrop, Limestone bluff cedar-pine forest
V	<i>Poa interior</i>	Inland Bluegrass	G4G5	S1		H	Boreal calcareous cliff, Limestone bluff cedar-pine forest
V	<i>Poa laxa</i> ssp. <i>fernaldiana</i>	Wavy Bluegrass	G5?T3	S1		H	Boreal outcrop
V	<i>Poa pratensis</i> ssp. <i>agassizensis</i>	Agassiz Kentucky Bluegrass	GNR	SU		H	Boreal outcrop
V	<i>Poa saltuensis</i> ssp. <i>languida</i>	Drooping Bluegrass	G5	S1S2		H	Rich northern hardwood forest, Mesic maple-ash-hickory-oak forest
V	<i>Podophyllum peltatum</i>	May-apple	G5	S1		H	Mesic maple-ash-hickory-oak forest
V	<i>Podostemum ceratophyllum</i>	Riverweed	G5	S1		M	moderate to large rivers directly entering Lake Champlain
V	<i>Polemonium vanbruntiae</i>	Eastern Jacob's Ladder	G3	S2	T	H	Shallow emergent marsh, Red maple-northern white cedar swamp, Seep, Wet Swales Ditches
V	<i>Polygala polygama</i>	Racemed Milkwort	G5	S2		M	Temperate acidic outcrop, Pine-oak-heath sandplain forest, Powerlines RR Tracks, Sandy Opening
V	<i>Polygala verticillata</i> var. <i>ambigua</i>	Ambiguous Milkwort	G5?	S1S2		H	Temperate calcareous outcrop, Old Field Shrub, Powerlines RR Tracks
V	<i>Polygonatum biflorum</i>	Giant Solomon's Seal	G5T5	S1		M	Mesic maple-ash-hickory-oak forest, Transition hardwood talus woodland
V	<i>Polygonum douglasii</i>	Douglas Knotweed	G5	S2	E	M	Temperate acidic outcrop, Temperate calcareous outcrop, Dry oak woodland
V	<i>Polygonum erectum</i>	Erect Knotweed	G5	SH		H	Old Field Shrub, Powerlines RR Tracks
V	<i>Polygonum tenue</i>	Slender Knotweed	G5	S1?		M	Pine-oak-heath sandplain forest, Sandy Opening
V	<i>Polymnia canadensis</i>	White-flowered Leafcup	G5	S1	E	H	Temperate calcareous outcrop, Transition hardwood talus woodland
V	<i>Potamogeton bicupulatus</i>	Snail-seed Pondweed	G4?	S2		M	Dystrophic
V	<i>Potamogeton confervoides</i>	Tuckerman's Pondweed	G4	S2		M	Dystrophic, High Elevation Acidic
V	<i>Potamogeton hillii</i>	Hill's Pondweed	G3	S3		H	Meso-eutrophic
V	<i>Potamogeton vaseyi</i>	Vasey's Pondweed	G4	S2		M	Meso-eutrophic
V	<i>Potamogeton x ogdenii</i>	Ogden's Pondweed	G1	S1		H	Meso-eutrophic
V	<i>Primula mistassinica</i>	Bird's-eye Primrose	G5	S1	T	H	Boreal calcareous cliff
V	<i>Proserpinaca palustris</i>	Marsh Mermaid-weed	G5	S1		M	Poor fen, Outwash plain pondshore, Sweet gale shoreline swamp, Buttonbush swamp, medium size, mid-reach, low gradient streams
V	<i>Prunus americana</i>	Wild Plum	G5	S1	T	M	Transition hardwood talus woodland, Old Field Shrub
V	<i>Prunus pumila</i> var. <i>depressa</i>	Low Sand Cherry	G5T5	S2		M	River cobble shore, Rivershore grassland, Acidic Riverside Outcrop

Appendix I: Plant Species of Greatest Conservation Need-Habitat Type Crosswalk

Taxon	Scientific Name	Common Name	G-Rank	S-Rank	S-Prot	SGCN Priority¹	Associated Habitats
V	<i>Prunus susquehanae</i>	Sand Cherry	G5T4	S1		M	Roadsides, Sandy Opening
V	<i>Pterospora andromedea</i>	Pinedrops	G5	S1	E	H	Oak-Pine-Northern Hardwood Forest, Temperate Hemlock-Hardwood Forest
V	<i>Pycnanthemum incanum</i>	Hoary Mountain Mint	G5	S1	E	M	Temperate calcareous outcrop
V	<i>Pycnanthemum muticum</i>	Blunt Mountainmint	G5	S1		M	Temperate calcareous outcrop, Powerlines RR Tracks
V	<i>Pyrola asarifolia</i> ssp. <i>asarifolia</i>	Bog Wintergreen	G5	S2	T	M	Rich fen, Intermediate fen, Sugar maple-ostrich fern riverine floodplain forest, Calcareous red maple-tamarack swamp, Northern white cedar swamp
V	<i>Pyrola minor</i>	Lesser Pyrola	G5	S1	E	H	Subalpine krummholz, Montane spruce-fir forest, Montane yellow birch-red spruce forest
V	<i>Quercus coccinea</i>	Scarlet Oak	G5	S1		M	White pine-red oak-black oak forest, Dry oak forest*
V	<i>Quercus ilicifolia</i>	Scrub Oak	G5	S1	E	M	Dry oak forest, Dry oak woodland*, Powerlines RR Tracks
V	<i>Quercus prinoides</i>	Dwarf Chinquapin Oak	G5	S1	PE	M	Temperate acidic outcrop*, Dry oak forest
V	<i>Ranunculus allegheniensis</i>	Allegheny Crowfoot	G4G5	S2	T	M	Mesic maple-ash-hickory-oak forest, Dry oak-hickory-hophornbeam forest
V	<i>Ranunculus hispidus</i> var. <i>hispidus</i>	Bristly Buttercup	G5T5	S1		H	Dry oak-hickory-hophornbeam forest
V	<i>Rhexia virginica</i>	Virginia Meadow-beauty	G5	S1	T	M	Outwash plain pondshore*
V	<i>Rhodiola rosea</i>	Roseroot	G5	S1	T	H	Boreal calcareous cliff
V	<i>Rhododendron maximum</i>	Great Laurel	G5	S2	T	H	Hemlock-northern hardwood forest
V	<i>Rhododendron periclymenoides</i>	Pinxter Flower	G5	S1?		M	Wet Sand-Over-Clay Forest, Red maple-white pine-huckleberry swamp, Lowland spruce-fir forest
V	<i>Rhynchospora capillacea</i>	Capillary Beak-rush	G4G5	S1	T	H	Calcareous riverside seep, Boreal calcareous cliff
V	<i>Rorippa aquatica</i>	Lake-cress	G4?	S1	T	H	Deep bulrush marsh, Deep broadleaf marsh, Lakeside floodplain forest
V	<i>Rosa acicularis</i> ssp. <i>sayi</i>	Needle-spine Rose	G5	S1	E	H	Temperate acidic outcrop, Temperate calcareous cliff, Dry oak-hickory-hophornbeam forest
V	<i>Rosa nitida</i>	Shining Rose	G5	S2		M	Poor fen, Sweet gale shoreline swamp
V	<i>Rudbeckia hirta</i> var. <i>hirta</i>	Black-eyed Susan	G5T4T5	SH		H	Old Field Shrub, Forest Edges Logging Rds
V	<i>Rumex occidentalis</i>	Western Dock	G5T5	SH		H	Marshes & Sedge Meadows, Hardwood Swamps, Lake Mud Shores, River Stream mud shore
V	<i>Sagina decumbens</i>	Small Pearlwort	G5	SH		H	Disturbed natural communities
V	<i>Salix amygdaloides</i>	Peach-leaf Willow	G5	S1		H	Floodplain Forests
V	<i>Salix pedicellaris</i>	Bog Willow	G5	S2		M	Poor fen, Rich fen, Intermediate fen, Northern white cedar swamp
V	<i>Salix pellita</i>	Satiny Willow	G5	S1		M	Intermediate fen, Riverside sand or gravel shore
V	<i>Salix planifolia</i>	Tea-leaved Willow	G5	S1	T	H	Alpine peatland
V	<i>Salix uva-ursi</i>	Bearberry Willow	G5	S1	E	H	Alpine meadow
V	<i>Samolus parviflorus</i>	Water Pimpernel	G5	S1		M	Sweet gale shoreline swamp
V	<i>Sanguisorba canadensis</i>	Canada Burnet	G5	S2		M	River cobble shore, Riverside sand or gravel shore, Riverside grassland
V	<i>Sanicula canadensis</i> var. <i>canadensis</i>	Short-styled Snakeroot	G5	S2S3	T	H	Mesic maple-ash-hickory-oak forest, Mesic Clayplain forest, Dry oak-hickory-hophornbeam forest, Forest Edges Logging Rds
V	<i>Sanicula canadensis</i> var. <i>grandis</i>	Long-styled Snakeroot	G5T3T5	SH	T	H	Mesic maple-ash-hickory-oak forest, Transition Hardwood Limestone Forest
V	<i>Saxifraga aizoides</i>	Yellow Mountain Saxifrage	G5	S1		H	Boreal calcareous cliff

Appendix I: Plant Species of Greatest Conservation Need-Habitat Type Crosswalk

Taxon	Scientific Name	Common Name	G-Rank	S-Rank	S-Prot	SGCN Priority ¹	Associated Habitats
V	<i>Saxifraga oppositifolia</i> ssp. <i>oppositifolia</i>	Purple Mountain Saxifrage	G4G5	S1		H	Boreal calcareous cliff
V	<i>Saxifraga paniculata</i>	White Mountain-saxifrage	G5	S1		H	Boreal calcareous cliff
V	<i>Scheuchzeria palustris</i>	Pod-grass	G5T5	S2	T	M	Dwarf shrub bog, Poor fen
V	<i>Schoenoplectiella smithii</i> var. <i>smithii</i>	Smith's Bulrush	G5?	S1		M	Shallow emergent marsh, Sedge meadow
V	<i>Schoenoplectus heterochaetus</i>	Slender Bulrush	G5	S1S2		H	Deep bulrush marsh, Shallow emergent marsh
V	<i>Schoenoplectus torreyi</i>	Torrey's Bulrush	G5?	S1S2		M	Shallow emergent marsh
V	<i>Scirpus ancistrochaetus</i>	Barbed-bristle Bulrush	G3	S2S3	E	H	Shallow emergent marsh, Buttonbush Basin Swamp, Red maple-Sphagnum Acidic Basin, Beaver wetlands
V	<i>Scirpus georgianus</i>	Georgia Bulrush	G5	SH		H	Marshes & Sedge Meadows
V	<i>Scleria triglomerata</i>	Whip Nutsedge	G5	SU		H	Dry Red Oak-White Pine Forest, Sandy Opening
V	<i>Scutellaria parvula</i> var. <i>missouriensis</i>	Shale Barren Skullcap	G4T4	S1		H	Sandy Opening
V	<i>Scutellaria parvula</i> var. <i>parvula</i>	Small Skullcap	G4T4	S2		H	Lakeshore grassland, Lake shale or cobble beach, Temperate calcareous outcrop, Limestone bluff cedar-pine forest
V	<i>Senna hebecarpa</i>	Wild Senna	G5	S1		H	River Stream mud shore
V	<i>Silene stellata</i>	Starry Catchfly	G5	SH		H	Floodplain Forests
V	<i>Sisyrinchium atlanticum</i>	Eastern Blue-eyed-grass	G5	S1		M	Old Field Shrub
V	<i>Solidago leiocarpa</i>	Cutler's Goldenrod	G5T4	S1		H	Alpine meadow
V	<i>Solidago odora</i> ssp. <i>odora</i>	Sweet Goldenrod	G5T5	SH	T	M	Old Field Shrub
V	<i>Solidago ptarmicoides</i>	Snowy Aster	G5	S2		H	Calcareous Riverside Outcrop, Temperate calcareous outcrop
V	<i>Solidago racemosa</i>	River-ledge Goldenrod	G5T3? Q	S1		H	Calcareous Riverside Outcrop
V	<i>Solidago squarrosa</i>	Squarrose Goldenrod	G5	S1		M	Mesic maple-ash-hickory-oak forest, Mesic Red oak Northern hdwd, Dry oak forest
V	<i>Solidago ulmifolia</i>	Elm-leaved Goldenrod	G5	S1	E	M	Temperate calcareous outcrop
V	<i>Sparganium androcladum</i>	Branching Bur-reed	G4G5	S1		H	Intermediate fen, Shallow emergent marsh, River mud shore
V	<i>Sparganium natans</i>	Lesser Bur-reed	G5	S2S3	T	M	Deep broadleaf marsh
V	<i>Sphenopholis nitida</i>	Shiny Wedgegrass	G5	S1	E	H	Temperate calcareous outcrop
V	<i>Sphenopholis obtusata</i>	Blunt Sphenopholis	G5	S1	E	H	Temperate calcareous outcrop, Cliffs & Talus
V	<i>Spinulum canadense</i>	Stiff Clubmoss	G5T4	S1		M	Boreal outcrop, Boreal acidic cliff, Boreal calcareous cliff
V	<i>Spiranthes casei</i> var. <i>casei</i>	Case's Ladies-tresses	G4T4	S2?		H	Old Field Shrub, Sandy Opening
V	<i>Sporobolus compositus</i>	Rough Dropseed	G5	S2	E	M	Temperate calcareous outcrop
V	<i>Sporobolus neglectus</i>	Small Dropseed	G5	S1		H	Temperate calcareous outcrop
V	<i>Stachys hispida</i>	Rough Hedge-nettle	GNR	SU		H	Floodplain Forests, Lakeside floodplain forest, Upland shores
V	<i>Stachys pilosa</i> var. <i>pilosa</i>	Marsh Woundwort	G5	S2?		M	Sedge meadow, Old Field Shrub
V	<i>Stellaria alsine</i>	Trailing Stitchwort	G5	S2		M	Northern white cedar swamp, Seep* medium size, mid-reach, low gradient streams, Meso-eutrophic
V	<i>Stuckenia filiformis</i>	Slender Pondweed	G5	S1		H	
V	<i>Stuckenia x fennica</i>	Hybrid Thread-leaved Pondweed	GNR	S1		M	Riverine
V	<i>Symphotrichum lanceolatum</i> var. <i>interior</i>	Inland Lance-leaf Aster	G5T5	SU		H	Old Field Shrub
V	<i>Symphotrichum ontarionis</i>	Ontario Aster	G5	S1S2		H	Lakeshore grassland, Lakeside floodplain forest
V	<i>Symphotrichum racemosum</i>	Small White Aster	G4G5	S2		M	Old Field Shrub, Forest Edges Logging Rds

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Taxon	Scientific Name	Common Name	G-Rank	S-Rank	S-Prot	SGCN Priority ¹	Associated Habitats
V	<i>Symphotrichum tradescantii</i>	Tradescant Aster	G4Q	S2		M	River cobble shore, Riverside sand or gravel shore
V	<i>Symphotrichum urophyllum</i>	Arrow-leaved Aster	G4G5	S1		H	Dry Red Oak-White Pine Forest, Old Field Shrub, Forest Edges Logging Rds
V	<i>Taenidia integerrima</i>	Yellow Pimpernel	G5	S2	T	H	Temperate calcareous outcrop, Limestone bluff cedar-pine forest, Mesic maple-ash-hickory-oak forest
V	<i>Thalictrum thalictroides</i>	Rue-anemone	G5	S1		M	Mesic maple-ash-hickory-oak forest, Dry oak-hickory-hophornbeam forest
V	<i>Thalictrum venulosum</i>	Border Meadow-rue	G5	S2S3		H	Lakeshore grassland, Lake shale or cobble beach
V	<i>Toxicodendron radicans</i> ssp. <i>negundo</i>	Hairy Climbing Poison-ivy	G5T5	SH		H	Hardwood Swamps
V	<i>Triantha glutinosa</i>	Sticky False-asphodel	G5	S1	T	M	Calcareous riverside seep, Lakeshore grassland
V	<i>Trichophorum cespitosum</i>	Deer-hair Sedge	G5	S1		M	Alpine peatland, Serpentine outcrop, Boreal acidic cliff, Boreal calcareous cliff
V	<i>Trichophorum planifolium</i>	Bashful Bulrush	G4G5	S1	E	M	Temperate calcareous cliff, Dry oak-hickory-hophornbeam forest
V	<i>Trichostema brachiatum</i>	False Pennyroyal	G5	S1		H	Temperate calcareous outcrop, Roadsides
V	<i>Triglochin maritima</i>	Common Arrow-grass	G5	S1		H	Intermediate fen
V	<i>Triphora trianthophora</i>	Three-bird Orchid	G3G4	S1	T	M	Northern hardwood forest, Hemlock-northern hardwood forest
V	<i>Trisetum spicatum</i> var. <i>pilosiglume</i>	Spiked Bristle Grass	G5T3? Q	S1?		M	Boreal calcareous cliff
V	<i>Ulmus thomasii</i>	Cork Elm	G5	S1		H	Transition Hardwood Limestone Forest, Transition hardwood talus woodland
V	<i>Utricularia radiata</i>	Inflated Bladderwort	G4	S2		M	Dystrophic
V	<i>Utricularia resupinata</i>	Northeastern Bladderwort	G4	S1	T	M	Dystrophic, High Elevation Acidic
V	<i>Uvularia perfoliata</i>	Perfoliate Bellwort	G5	S2		M	Mesic maple-ash-hickory-oak forest, Dry oak-hickory-hophornbeam forest
V	<i>Vaccinium boreale</i>	Boreal Blueberry	G4	S1		M	Alpine meadow, Boreal acidic cliff, Subalpine krummholz
V	<i>Vaccinium caespitosum</i>	Dwarf Bilberry	G5	S2		M	Acidic Riverside Outcrop
V	<i>Vaccinium stamineum</i>	Deerberry	G5	S1	E	M	Dry oak-hickory-hophornbeam forest
V	<i>Vaccinium uliginosum</i>	Alpine Bilberry	G5	S2		H	Alpine peatland, Alpine meadow, Boreal acidic cliff, Subalpine krummholz
V	<i>Vaccinium vitis-idaea</i>	Mountain Cranberry	G5	S2		M	Black spruce woodland bog, Alpine meadow, Subalpine krummholz, Lowland spruce-fir forest
V	<i>Valeriana uliginosa</i>	Marsh Valerian	G4Q	S1	E	H	Northern white cedar swamp
V	<i>Verbena simplex</i>	Narrow-leaved Vervain	G5	SH		H	Outcrops & Upland Meadows, Cliffs & Talus, Old Field Shrub
V	<i>Veronica catenata</i>	Water-speedwell	G5	S1		H	Intermediate fen
V	<i>Veronicastrum virginicum</i>	Culver's-root	G4	S1	E	H	Roadsides
V	<i>Viburnum edule</i>	Squashberry	G5	S1	T	M	Subalpine krummholz, Montane spruce-fir forest
V	<i>Viola lanceolata</i> ssp. <i>lanceolata</i>	Lance-leaved Violet	G5	S1	T	M	Outwash plain pondshore, Powerlines RR Tracks
V	<i>Viola palmata</i>	Early Blue Violet	G5	S2		M	Transition Hardwood Limestone Forest, Dry oak-hickory-hophornbeam forest
V	<i>Viola subsinuata</i>	Lobed Violet	G3G5	S1		H	Transition Hardwood Limestone Forest, Dry oak-hickory-hophornbeam forest
V	<i>Vulpia octoflora</i> var. <i>tenella</i>	Eight-flowered Fescue	G5	S1	E	M	Temperate acidic outcrop, Sandy Opening
V	<i>Woodsia alpina</i>	Alpine Woodsia	G4	S1	E	H	Boreal calcareous cliff
V	<i>Woodsia glabella</i>	Smooth Woodsia	G5	S2		H	Temperate calcareous outcrop, Boreal calcareous cliff, Temperate calcareous cliff

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Taxon	Scientific Name	Common Name	G-Rank	S-Rank	S-Prot	SGCN Priority ¹	Associated Habitats
V	<i>Woodwardia virginica</i>	Virginia Chain-fern	G5	S1	T	M	Pitch pine woodland bog, Red maple-Sphagnum Acidic Basin, Red maple-black gum swamp, Spruce-fir-tamarack swamp, Mesic Clayplain forest
V	<i>Xyris montana</i>	Northern Yellow-eyed Grass	G4	S1	T	M	Dwarf shrub bog, Poor fen
V	<i>Zannichellia palustris</i>	Horned Pondweed	G5	S1S2		M	Meso-eutrophic
M	<i>Amphidium lapponicum</i> (Hedw.) Schimp.	A Moss		S2		M	Boreal Acidic Cliff, Temperate Acidic Cliff
M	<i>Anacamptodon splachnoides</i> (Frol. ex Brid.) Brid.	A Moss		S2		M	Northern Hardwood Forests (formation)
M	<i>Andreaea rothii</i> Web. & Mohr.	A Moss		S2		M	Temperate Acidic Cliff
M	<i>Arctoa fulvella</i> (Dicks.) Bruch & Schimp. in B.S.G.	A Moss		S1		M	Alpine Meadow, Boreal Outcrop
M	<i>Cinclidium stygium</i> Sw. in Schrad.	A Moss		S1		M	Rich Fen
M	<i>Cirriphyllum piliferum</i> (Hedw.) Grout	A Moss		S2		M	Northern White Cedar Swamp
M	<i>Cynodontium alpestre</i> (Wahl.) Milde	A Moss		S1		M	Boreal Acidic Cliff
M	<i>Cyrtomnium hymenophylloides</i> (Hub.) Nyh. ex T. Kop.	A Moss		S1		M	Temperate Calcareous Cliff
M	<i>Dichelyma capillaceum</i> (With.) Myr.	A Moss		S1		M	Hardwood Swamps (formation)
M	<i>Dichelyma pallescens</i> Schimp. in B.S.G.	A Moss		S1		M	Hardwood Swamps (formation)
M	<i>Dicranodontium denudatum</i> (Brid.) Britt. in Williams	A Moss		S2		M	Temperate Acidic Cliff
M	<i>Dicranoweisia crispula</i> (Hedw.) Lindb. ex Milde	A Moss		SH		M	Temperate Acidic Cliff
M	<i>Dicranum ontariense</i> Peters.	A Moss		S2		M	Spruce-Fir Forests (formation)
M	<i>Dicranum spurium</i> Hedw.	A Moss		S1		M	Temperate Acidic Outcrop
M	<i>Didymodon tophaceus</i> (Brid.) Lisa	A Moss		S1		M	Temperate Calcareous Cliff
M	<i>Distichium capillaceum</i> (Hedw.) Bruch. & Schimp. in B.S.G.	A Moss		S2		M	Temperate Calcareous Cliff
M	<i>Ditrichum flexicaule</i> (Schwaegr.) Hampe	A Moss		S1		M	Temperate Calcareous Outcrop
M	<i>Ditrichum rhynchostegium</i> Kindb.	A Moss		SH		M	
M	<i>Forsstroemia trichomitria</i> (Hedw.) Lindb.	A Moss		S1		M	Temperate Calcareous Cliff
M	<i>Grimmia donniana</i> Sm.	A Moss		SH		M	Boreal Acidic Cliff
M	<i>Grimmia hartmanii</i> Schimp.	A Moss		S1		M	Temperate Acidic Cliffs and Outcrops
M	<i>Grimmia laevigata</i> (Brid.) Brid.	A Moss		SH		M	Temperate Acidic Cliffs and Outcrops
M	<i>Grimmia longirostris</i> Hooker	A Moss		S1		M	Temperate Acidic Cliffs and Outcrops
M	<i>Grimmia torquata</i> Hornsch. in Grev.	A Moss		SH		M	Boreal Acidic Cliff
M	<i>Hamatocaulis vernicosus</i> (Mitt.) Hedenas	A Moss		S2		M	Rich Fen
M	<i>Hylocomiastrum pyrenaicum</i> (Spruce) Fleisch. in Broth.	A Moss		S2		M	Northern White Cedar Swamp

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Taxon	Scientific Name	Common Name	G-Rank	S-Rank	S-Prot	SGCN Priority¹	Associated Habitats
M	Hyophila involuta (Hook.) Jaeg.	A Moss		S1		M	Temperate Calcareous Outcrop
M	Hypnum fauriei Card.	A Moss		S1S3		M	
M	Leskea obscura Hedw.	A Moss		S2		M	Floodplain Forests (formation)
M	Limprichtia cossonii (Schimp.) Anderson et al.	A Moss		S2		M	Intermediate Fen, Rich Fen
M	Limprichtia revolvens (Sw.) Loeske	A Moss		S1S3		M	Poor Fen, Intermediate Fen
M	Meesia triquetra (Richt.) Angstr.	A Moss		S2		M	Rich Fen
M	Meesia uliginosa Hedw.	A Moss		SH		M	Northern White Cedar Swamp, Temperate Calcareous Cliff
M	Myurella julacea (Schwaegr.) Schimp. in B.S.G.	A Moss		S2		M	Temperate Calcareous Cliff
M	Paludella squarrosa (Hedw.) Brid.	A Moss		S2		M	Rich Fen
M	Palustriella commutata (Brid.) Ochyra	A Moss		S1		M	Temperate Calcareous Cliff
M	Plagiobryum zieri (Hedw.) Lindb.	A Moss		S1		H	Boreal Acidic Cliff, Boreal Outcrop
M	Pogonatum dentatum (Brid.) Brid.	A Moss		S2		M	Boreal Outcrop
M	Pseudocalliergon trifarium (F. Weber & D. Mohr) Loeske	A Moss		S1		M	Rich Fen
M	Rhizomnium pseudopunctatum (Bruch. & Schimp.) T. Kop.	A Moss		S1		M	Northern White Cedar Swamp
M	Saelania glaucescens (Hedw.) Broth. in Bomanss. & Broth.	A Moss		S2		M	Temperate Calcareous Cliff
M	Scorpidium scorpioides (Hedw.) Limpr.	A Moss		S2		M	Rich Fen
M	Seligeria calcarea (Hedw.) Bruch. & Schimp. in B.S.G.	A Moss		SH		M	Temperate Calcareous Cliff
M	Seligeria tristichoides Kindb.	A Moss		SH		M	Temperate Calcareous Cliff
M	Sematophyllum marylandicum (C. Mull.) Britt.	A Moss		S1		M	Temperate Acidic Cliff
M	Sphagnum pulchrum (Lindb. ex Braithw.) Warnst.	A Moss		S1		M	Dwarf Shrub Bog, Black Spruce Woodland Bog
M	Sphagnum riparium Angstr.	A Moss		S1		M	Dwarf Shrub Bog, Black Spruce Woodland Bog
M	Syntrichia ruralis (Hedw.) Web. & Mohr	A Moss		S2		M	Temperate Calcareous Outcrop
M	Thelia asprella Sull. in Sull. & Lesq.	A Moss		S1		M	Mesic Maple-Ash-Hickory-Oak Forest
M	Tortella fragilis (Drumm.) Limpr.	A Moss		S1		M	Temperate Calcareous Outcrop, Temperate Calcareous Cliff
M	Tortella inclinata (Hedw. f.) Limpr. var. densa (Lorentz & Molendo) Limpricht	A Moss		S1T1		M	Temperate Calcareous Outcrop
M	Trichostomum crispulum Bruch in F. Muell.	A Moss		S1		M	Temperate Calcareous Cliff
L	Anastrophyllum michauxii (Web.) Buch ex Evans	A Liverwort		S2		M	Spruce-Fir-Northern Hardwood Forests (formation)
L	Anastrophyllum saxicola (Schrad.) Schust.	A Liverwort		S1		M	Temperate Acidic Cliff

Appendix I: Plant Species of Greatest Conservation Need-Habitat Type Crosswalk

Taxon	Scientific Name	Common Name	G-Rank	S-Rank	S-Prot	SGCN Priority¹	Associated Habitats
L	Barbilophozia floerkei (Web. et Mohr) Loeske var. floerkei	A Liverwort		SHTH		M	Montane Spruce-Fir Forest
L	Cephalozia catenulata (Hub.) Lindb.	A Liverwort		SH		M	Spruce-Fir Forests (formation)
L	Chandonanthus setiformis (Ehrh.) Lindb.	A Liverwort		S1		M	Boreal Acidic Cliff, Boreal Outcrop
L	Frullania selwyniana Pears.	A Liverwort		S1		M	Northern White Cedar Swamp
L	Gymnocolea inflata (Huds.) Dum. s.l.	A Liverwort		S1		M	Alpine Peatland
L	Gymnomitron concinatum (Lightf.) Corda	A Liverwort		S1		M	Boreal Acidic Cliff, Boreal Outcrop
L	Kurzia pauciflora (Dicks.) Grolle	A Liverwort		S1		M	Poor Fen, Dwarf Shrub Bog
L	Lophocolea minor Nees	A Liverwort		S1		M	Northern White Cedar Swamp, Temperate Calcareous Outcrop
L	Lophozia laxa (Lindb.) Grolle	A Liverwort		S2		M	Dwarf Shrub Bog
L	Lophozia rutheana (Limpr.) M.A. Howe ²²	A Liverwort		SH		M	Rich Fen, Northern White Cedar Swamp
L	Lophozia wenzelii (Nees) Steph. var. wenzelii	A Liverwort		SHTH		M	Alpine Peatland
L	Mannia fragrans (Balbis) Frye et Clark	A Liverwort		SH		M	Temperate Acidic Outcrop, Temperate Acidic Cliff, Temperate Calcareous Outcrop, Temperate Calcareous Cliff
L	Mannia pilosa (Hornem.) Frye et Clark	A Liverwort		SH		M	Temperate Calcareous Outcrop, Temperate Calcareous Cliff
L	Mannia triandra (Scop.) Grolle	A Liverwort		SH		M	Temperate Calcareous Outcrop, Temperate Calcareous Cliff
L	Marsupella ustulata (Hub.) Spruce var. ustulata	A Liverwort		SHTH		M	Alpine Meadow, Boreal Outcrop
L	Scapania paludicola Loekse et K. Mull. var. paludicola	A Liverwort		S2T2		M	Dwarf Shrub Bog

Associated Habitats marked with an “*” indicates there is high confidence that protection of the habitat will also protect functioning populations of the plant species. For associated habitats not marked with an “*” there is moderate confidence that protection of the habitat will also protect functioning populations of the plant species.

Taxon: V=Vascular Plant, M=Moss, L=Liverwort

SGCN Priority: M=Medium Priority, H=High Priority. See Plant Conservation Summary in chapter 5 for details.

S-Prot: E=state endangered, T=State Threatened