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DIGBY WIND POWER PROJECT ENVIRONMENTAL ASSESSMENT

Appendices

APPENDIX C

FLORA LISTS

TABLE C1 Rare and Sensitive Plant Species Potentially Present in the Study Area

Scientific Name	Common Name	Preferred Habitat	Season	ACCDC Rank	NSDNR Rank	COSEWIC Rank
<i>Carex digitalis</i>	Slender Wood Sedge	Dry, sandy woodlands.	Not given for NS	S1	RED	-
<i>Carex hystericina</i>	Porcupine Sedge	Swamps, swales, and along brooks.	June to October	S1S2	RED	-
<i>Carex ormostachya</i>	Necklace Spike Sedge	Hardwood stands.	Not given for NS. Possibly late May to July	S1	RED	-
<i>Conopholis americana</i>	Squaw-Root	Associated with oaks and other deciduous trees.	April to July	S1S2	RED	-
<i>Eupatorium dubium</i>	Joe-Pye Thoroughwort	Rocky shores, swamps and damp thickets.	August and September, can be identified when not in flower	S2	RED	-
<i>Fraxinus pennsylvanica</i>	Green Ash	Near lakes or ponds, or in other low-lying areas.	Flowers in May	S1	RED	-
<i>Galium boreale</i>	Northern Bedstraw	The edges of woods and in grassy places, such as pastures.	Flowers June to August	S2	RED	-
<i>Galium obtusum</i>	Blunt-Leaf Bedstraw	Boggy swales and wet thickets.	May to July	S1	RED	-
<i>Goodyera pubescens</i>	Downy Rattlesnake-Plantain	Woodland and thickets. Usually found in dry or moist coniferous or mixed woods, often in a sandy substrate with oak or white pine.	July and August	S1	RED	-
<i>Hepatica nobilis var. obtusa</i>	Round-Leaved Liverleaf	Dry, usually mixed deciduous forest.	Early May	S1	RED	-
<i>Hypericum majus</i>	Larger Canadian St. John's Wort	Wet or dry open soil.	July to September	S1	RED	-
<i>Lobelia spicata</i>	Pale-Spiked Lobelia	Dry fields.	Not given for NS	S1S2SE	RED	-
<i>Selaginella rupestris</i>	Ledge Spike-Moss	Dry, exposed rocks and sandy soils.	July to October	S1	RED	-
<i>Silene antirrhina</i>	Sleepy Catchfly	Habitats include dry gravelly prairies, hill prairies, barrens, glades, rocky bluffs, pastures and abandoned fields, and areas along railroads and roadsides.	Late spring to mid-summer	S1	RED	-
<i>Solidago hispida</i>	Hairy Goldenrod	Woods and forest edges.	Summer and fall	S1?	RED	-
<i>Spiranthes casei var. casei</i>	Case's Ladies'-Tresses	Acid, sandy soils, roadsides and open barrens.	September	S1	RED	-
<i>Spiranthes lucida</i>	Shining Ladies'-Tresses	Alluvial soils and rocky shores. Thickets and meadows.	Flowers early July	S2	RED	-
<i>Thuja occidentalis</i>	Northern White Cedar	Lakesides and swamps or old pastures.	Can be identified throughout the year	S1S2	RED	-
<i>Carex laxiflora</i>	Loose-Flowered Sedge	Damp clearings and open rocky woods.	Not given for NS	S1	RED	-
<i>Carex wiegandii</i>	Wiegand's Sedge	Boggy and peaty soils, conifer and alder swamps.	Matures in summer	S3	RED	-
<i>Arabis drummondii</i>	Drummond Rockcress	Usually on dry slopes and talus, but occasionally in more fertile locations at lower elevations.	May to July	S2	YELLOW	-
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	Damp shaded cliffs, and talus slopes. Acidic rock such as granite, basalt and sandstone.	Can be identified without sprangia	S2	YELLOW	-
<i>Calamagrostis stricta ssp. stricta</i>	Northern Reedgrass	Around lakes and bogs, wet cliff faces, and landward edges of saltmarshes.	Flowering time not given, summer	S1S2	YELLOW	-
<i>Cardamine parviflora var. arenicola</i>	Small-Flower Bitter-Cress	Dry woods, shaded or exposed ledges, and in sandy soils.	April to August	S2	YELLOW	-
<i>Carex atratiflora</i>	Black Sedge	Along riverbanks, moist cliffs, and associated rock crevices.	Summer	S3	YELLOW	-
<i>Carex capillaris</i>	Hair-Like Sedge	Seepy, exposed slopes of cliffs.	Summer	S3	YELLOW	-
<i>Carex houghtoniana</i>	A Sedge	Sandy soils and roadside banks.	Seeds (perigynia) required for identification. Can be identified from May through September	S2?	YELLOW	-
<i>Carex swanii</i>	Swan Sedge	Boggy pastures, dry peaty barrens, forests, clearings, and the edges of woods.	Early summer	S2?	YELLOW	-
<i>Conioselinum chinense</i>	Hemlock Parsley	Swamps, mossy coniferous woods or swales, and seepy slopes near the coast.	August to October	S2S3	YELLOW	-
<i>Eleocharis ovata</i>	Ovate Spikerush	Muddy shores and ditches.	Flowers/Fruit May to October	S2?	YELLOW	-

TABLE C1 Rare and Sensitive Plant Species Potentially Present in the Study Area

Scientific Name	Common Name	Preferred Habitat	Season	ACCDC Rank	NSDNR Rank	COSEWIC Rank
<i>Epilobium coloratum</i>	Purple-Leaf Willow-Herb	Low-lying ground, springy slopes and similar locations.	July and October. Seeds required for identification	S2?	YELLOW	-
<i>Erigeron philadelphicus</i>	Philadelphia Fleabane	Old fields, meadows, and springy slopes.	Flowers June to August	S2	YELLOW	-
<i>Fraxinus nigra</i>	Black Ash	Low ground, damp woods and swamps.	May and June. Can be identified without flowers	S3	YELLOW	-
<i>Goodyera repens</i>	Dwarf Rattlesnake-Plantain	Under conifers, growing with very few other plants.	Flowers July and August	S2S3	YELLOW	-
<i>Hedeoma pulegioides</i>	American Pennyroyal	Stony till and upland pastures, throughout northern part of NS. Near seashores occasionally.	August	S2S3	YELLOW	-
<i>Hudsonia ericoides</i>	Golden-Heather	Dry, rocky, and sandy barrens. Recently disturbed areas or on open sandy soils.	Late May to early July	S2	YELLOW	-
<i>Hypericum dissimulatum</i>	Disguised St. John's-Wort	On shores and damp open areas.	Not provided	S2S3	YELLOW	-
<i>Piptatherum pungens</i>	Slender Mountain-Ricegrass	Dry woods and clearings in sandy soils.	May and June	S2	YELLOW	-
<i>Poa glauca</i>	White Bluegrass	Cliff crevices, on shelves, and talus slopes.	July and August. Can be identified post flowering until early October	S3	YELLOW	-
<i>Polygala sanguinea</i>	Field Milkwort	Poor or acidic fields, damp slopes, and open woods or bush.	Late June to October	S2S3	YELLOW	-
<i>Pyrola minor</i>	Lesser Wintergreen	Characteristic of mature coniferous woods in northern Cape Breton.	Flowers in July and August	S2	YELLOW	-
<i>Salix sericea</i>	Silky Willow	Low thickets and stream banks.	Late March to early May	S2	YELLOW	-
<i>Spiranthes casei</i>	Case's Ladies'-Tresses	Acid, sandy soils, roadsides and open barrens.	September	S2	YELLOW	-
<i>Spiranthes casei var. novaescotiae</i>	Case's Ladies'-Tresses	Acid, sandy soils, roadsides and open barrens.	September	S2	YELLOW	-
<i>Spiranthes ochroleuca</i>	Yellow Nodding Ladies'-Tresses	Characteristic of the driest sand barrens in southwestern counties. Also near rivers and in dry habitats such as roadsides and fields.	September to October	S2	YELLOW	-
<i>Symphotrichum boreale</i>	Boreal American-Aster	Gravelly soil of lake beaches, along streams and the edges of bogs.	August and September	S2?	YELLOW	-
<i>Symphotrichum undulatum</i>	Wavy-leaf American-Aster	Old fields and the edges of thickets.	August and September	S2	YELLOW	-
<i>Dichanthelium linearifolium</i>	Slim-Leaf Witchgrass	Dry sandy soils.	July to October	S2?	YELLOW	-
<i>Piptatherum canadense</i>	Canada Mountain-Ricegrass	Dry sandy soils.	Not provided	S2	YELLOW	-

Likely on Site Key:

- No= No suitable habitat, likelihood of occurrence negligible
- Unlikely= Unlikely to occur on site and if present would be in areas peripheral to turbine sites not likely to be affected by their emplacement with suitable erosion control measures during installation
- Possible= These species could have some potential to be present but were not noted and would only be expected from the salt marshes beyond the dykes or in a small deep slough along the east side of the Project area or in the peripheral oldfield and moist meadow areas to the south of the Project area.

Key to species rankings:

- ACCDC Ranking
 - S1: Extremely rare. S2: Rare. S3: Uncommon. S4: fairly common. S5: Secure. S#S#: A range between two consecutive numeric ranks. Denotes range of uncertainty about the exact rarity of the element (e.g., S1S2). B: Breeding. SH: Historical and suspected to be still extant. SU: Unrankable: Possibly in peril throughout its range in the province, but status uncertain; need more information. SX: Extinct/Extirpated: Element is believed to be extirpated within the province. S?:Unranked: Element is not yet ranked. SZ: Zero occurrences: Not of practical conservation concern in the province, because there are no definable occurrences, although the species is native and appears regularly. NZ: Long distance migrants whose occurrences during their migrations are too irregular (in terms of repeated visitation to the same locations) or transitory.
- NSDNR Ranking
 - Red: Known to be or thought to be at risk. Yellow: Sensitive to human activities or natural events. Green: Not believed to be sensitive, or at risk. Not Assessed: Known or believed to be present in Nova Scotia but yet unassessed. Undetermined: Insufficient data exists to determine status. Exotic: Introduced as a result of human activity.
- COSEWIC Ranking
 - Endangered: Species facing imminent extirpation or extinction. Threatened: Species likely to become endangered if limiting factors are not reversed. Special Concern: Species that may become a threatened or an endangered species because of a combination of biological characteristics and identified threats. Data Deficient: A category that applies when the available information is insufficient to resolve a wildlife species' eligibility for assessment or to permit an assessment of the wildlife species' risk of extinction. Not at Risk: Species that has been evaluated and found to be not at risk of extinction given the current circumstances.

Atlantic Canada Conservation Data Centre Species Rank Definitions

S1	Extremely rare throughout its range in the province (typically 5 or fewer occurrences or very few remaining individuals). May be especially vulnerable to extirpation.
S2	Rare throughout its range in the province (6 to 20 occurrences or few remaining individuals). May be vulnerable to extirpation due to rarity or other factors.
S3	Uncommon throughout its range in the province, or found only in a restricted range, even if abundant at some locations. (21 to 100 occurrences).
S#S#	Numeric range rank: A range between two consecutive numeric ranks. Denotes uncertainty about the exact rarity of the species (e.g., S1S2)
S#?	Inexact or uncertain ranking.

Nova Scotia Department of Natural Resources General Status Ranks

Red	Known to be or thought to be at risk.
Yellow	Sensitive to human activities or natural events.

Source: ACCDC 2007; NSDNR 2007

Table C2 Flora Observed at the Project Area by Survey Site

Scientific Name	Common Name	ACCDC Rank	NSDNR Rank	General	SS 1	SS 2	SS 3	SS 4	SS 5	SS 6	SS 7	SS 8	SS 9	SS 10	SS 11	SS 12	SS 13	SS 14	SS 15	SS 16	SS 17	SS 18	SS 19	SS 20	
<i>Abies balsamea</i>	Balsam Fir	S5	GREEN	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
<i>Acer pensylvanicum</i>	Striped Maple	S5	GREEN	X	X	X				X	X						X		X	X				X	
<i>Acer rubrum</i>	Red Maple	S5	GREEN	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		X	
<i>Acer saccharum</i>	Sugar Maple	S5	GREEN	X	X	X	X										X					X		X	
<i>Acer spicatum</i>	Mountain Maple	S5	GREEN		X		X				X						X		X		X			X	
<i>Achillea millefolium</i>	Common Yarrow	S5	GREEN			X		X				X	X	X				X							
<i>Agalinus pururea var. neosctica</i>	Nova Scotia False-Foxglove	S4	GREEN	X											X										
<i>Agrimonia striata</i>	Woodland Agrimony	S5	GREEN															X							
<i>Agrostis capillaris</i>	Colonial Bentgrass	SE	EXOTIC	X			X	X	X		X	X	X	X				X		X		X	X		
<i>Agrostis gigantea</i>	Black Bentgrass	SE	EXOTIC																					X	
<i>Agrostis hyemalis</i>	Rough Bentgrass	S5	GREEN	X			X		X	X	X	X	X	X	X	X	X	X	X			X		X	
<i>Agrostis perennans</i>	Perennial Bentgrass	S4S5	GREEN					X	X				X				X								
<i>Agrostis stolonifera</i>	Spreading Bentgrass	S5SE	GREEN	X						X															
<i>Alchemilla filicaulis</i>	Thin-Stem Lady's-Mantle	SE	EXOTIC						X																
<i>Alnus incana</i>	Speckled Alder	S5	GREEN	X					X								X								
<i>Alnus viridis</i>	Green Alder	S5	GREEN	X			X	X	X	X			X	X	X		X	X		X	X		X		
<i>Amelanchier sp.</i>	Shadbush	n/a	n/a		X				X					X											
<i>Ammophila breviligulata</i>	American Beachgrass	S5	GREEN	X																					
<i>Anaphalis margaritacea</i>	Pearly Everlasting	S5	GREEN	X		X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
<i>Anthoxanthum odoratum</i>	Sweet Vernal Grass	SE	EXOTIC	X			X	X	X	X	X	X	X	X				X		X			X		
<i>Apocynum androsaemifolium</i>	Spreading Dogbane	S5	GREEN	X																					
<i>Aquilegia vulgaris</i>	European Columbine	SE	EXOTIC	X																					
<i>Aralia hispida</i>	Bristly Sarsaparilla	S5	GREEN	X									X	X											
<i>Aralia nudicaulis</i>	Wild Sarsaparilla	S5	GREEN	X	X	X	X			X	X	X	X		X	X	X	X	X	X	X	X		X	
<i>Arceuthobium pusillum</i>	Dwarf Mistletoe	S5	GREEN																		X				
<i>Aronia melanocarpa</i>	Black Chokeberry	S5	GREEN	X											X										
<i>Aster acuminatus</i>	Whorled Aster	S5	GREEN	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Aster lateriflorus</i>	Farewell-Summer	S5	GREEN	X	X	X	X	X	X	X	X	X	X	X			X	X	X			X	X	X	X
<i>Aster macrophyllus</i>	Large-Leaf Wood-Aster	S5	GREEN	X	X	X	X				X		X	X			X		X					X	
<i>Aster nemoralis</i>	Bog Aster	S5	GREEN											X											
<i>Aster novi-belgii</i>	New Belgium American-Aster	S5	GREEN				X		X	X	X	X	X	X	X	X		X	X			X		X	
<i>Aster puniceus</i>	Swamp Aster	S5	GREEN						X								X								

Scientific Name	Common Name	ACCDC Rank	NSDNR Rank	General	SS 1	SS 2	SS 3	SS 4	SS 5	SS 6	SS 7	SS 8	SS 9	SS 10	SS 11	SS 12	SS 13	SS 14	SS 15	SS 16	SS 17	SS 18	SS 19	SS 20
<i>Aster radula</i>	Rough-Leaved Aster	S5	GREEN	X	X				X						X		X							
<i>Aster umbellatus</i>	Parasol White-Top	S5	GREEN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Aster X blakei</i>	a hybrid White Panicked American-Aster	HYB	GREEN						X															
<i>Athyrium filix-femina</i>	Lady-Fern	S5	GREEN	X			X				X	X		X			X							X
<i>Betula alleghaniensis</i>	Yellow Birch	S5	GREEN	X	X	X	X			X	X		X			X	X		X	X	X	X		X
<i>Betula cordifolia</i>	Heart-Leaved Paper Birch	S5	GREEN							X	X		X				X		X	X	X	X		X
<i>Betula papyrifera</i>	Paper Birch	S5	GREEN	X	X	X		X		X			X	X	X	X				X	X			
<i>Betula populifolia</i>	Gray Birch	S5	GREEN	X				X					X						X					
<i>Bidens frondosa</i>	Devil's Beggar-Ticks	S5	GREEN				X		X															
<i>Brachyelytrum septentrionalis</i>	Northern Short-husk	S5	GREEN										X											
<i>Brachyelytrum erectum</i>	Bearded Short-Husk	S4S5	GREEN		X												X							X
<i>Bromus ciliatus</i>	Fringed Brome	S4S5	GREEN						X	X							X	X		X				
<i>Calamagrostis canadensis</i>	Blue-Joint Reedgrass	S5	GREEN											X			X			X	X			X
<i>Cardamine pensylvanica</i>	Pennsylvania Bitter-cress	S5	GREEN														X						X	
<i>carduus</i>	Thistles	SE	EXOTIC									X											X	
<i>Carex arctata</i>	Black Sedge	S5	GREEN	X			X	X		X	X	X	X				X	X	X			X		X
<i>Carex brunnescens</i>	Brownish Sedge	S5	GREEN				X			X	X		X		X	X		X					X	X
<i>Carex canescens</i>	Hoary Sedge	S5	GREEN												X									
<i>Carex communis</i>	Fibrous-Root Sedge	S5	GREEN	X			X		X	X	X	X	X	X		X		X	X				X	
<i>Carex crinita</i>	Fringed Sedge	S4S5	GREEN	X																				
<i>Carex debilis</i>	White-Edge Sedge	S5	GREEN							X	X	X		X					X			X		X
<i>Carex deflexa</i>	Short-Stemmed Sedge	S4	GREEN									X	X											
<i>Carex disperma</i>	Softleaf Sedge	S5	GREEN				X									X	X							
<i>Carex echinata</i>	Little Prickly Sedge	S5	GREEN							X			X										X	X
<i>Carex flava</i>	Yellow Sedge	S5	GREEN							X	X						X		X				X	X
<i>Carex folliculata</i>	Long Sedge	S5	GREEN	X			X								X									
<i>Carex gracillima</i>	Graceful Sedge	S4S5	GREEN		X	X				X	X	X	X				X		X					X
<i>Carex gynandra</i>	A Sedge	S5	GREEN			X	X	X	X	X	X	X					X				X			X
<i>Carex intumescens</i>	Bladder Sedge	S5	GREEN		X	X	X	X	X	X	X	X	X	X			X		X			X	X	X
<i>Carex leptalea</i>	Bristly-Stalk Sedge	S5	GREEN						X															X
<i>Carex leptoneuria</i>	Finely-Nerved Sedge	S5	GREEN		X		X			X	X	X					X	X	X			X		X
<i>Carex lurida</i>	Shallow Sedge	S5	GREEN	X						X	X	X					X		X			X	X	X
<i>Carex nigra</i>	Black Sedge	S5	GREEN																				X	
<i>Carex novae-angliae</i>	New England Sedge	S5	GREEN		X	X				X	X	X	X	X		X		X	X				X	X

Scientific Name	Common Name	ACCDC Rank	NSDNR Rank	General	SS 1	SS 2	SS 3	SS 4	SS 5	SS 6	SS 7	SS 8	SS 9	SS 10	SS 11	SS 12	SS 13	SS 14	SS 15	SS 16	SS 17	SS 18	SS 19	SS 20
<i>Carex pallescens</i>	Pale Sedge	S5	GREEN							X								X	X					
<i>Carex pauciflora</i>	Few Flowered Sedge	S5	GREEN												X									
<i>Carex paupercula</i>	Boreal Bog Sedge	S5	GREEN												X									
<i>Carex retrorsa</i>	Retrorsed Sedge	S4	GREEN	X																				
<i>Carex scabrata</i>	Rough Sedge	S5	GREEN		X												X						X	
<i>Carex scoparia</i>	Pointed Broom Sedge	S5	GREEN								X	X	X				X					X	X	
<i>Carex sp.</i>	A Sedge	n/a	n/a							X	X	X								X	X	X	X	
<i>Carex stipata</i>	Stalk-Grain Sedge	S5	GREEN				X			X							X						X	
<i>Carex swanii</i>	Swan Sedge	S2?	YELLOW	X						X	X	X	X	X				X	X	X		X	X	X
<i>Carex trisperma</i>	Three-Seed Sedge	S5	GREEN			X	X			X											X			
<i>Carex umbellata</i>	Hidden Sedge	S4	GREEN															X						
<i>Carex viridula</i>	Little Green Sedge	S4	GREEN	X									X						X					
<i>Carex vulpinoidea</i>	Fox Sedge	S4?	GREEN	X																				
<i>Centaurea nigra</i>	Black Starthistle	SE	EXOTIC	X			X	X		X		X					X	X			X	X	X	
<i>Cerastium vulgatum</i>	Common Mouse-Ear Chickweed	SE	EXOTIC	X																				
<i>Chrysanthemum leucanthemum</i>	Oxeye Daisy	SE	EXOTIC	X								X						X	X			X	X	X
<i>Chrysosplenium americanum</i>	American Golden-Saxifrage	S5	GREEN														X							
<i>Cicuta maculata</i>	Spotted Water-Hemlock	S5	GREEN	X																				
<i>Cinna latifolia</i>	Slender Wood Reedgrass	S5	GREEN																					X
<i>Circaea alpina</i>	Small Enchanter's Nightshade	S5	GREEN		X					X						X	X				X	X		
<i>Cirsium arvense</i>	Creeping Thistle	SE	EXOTIC	X		X		X	X			X		X			X	X			X		X	X
<i>Cirsium muticum</i>	Swamp Thistle	S5	GREEN																				X	
<i>Cirsium vulgare</i>	Bull Thistle	SE	EXOTIC	X								X											X	
<i>Clematis virginiana</i>	Virginia Virgin-Bower	S5	GREEN			X			X															
<i>Clintonia borealis</i>	Clinton's Lily	S5	GREEN												X	X								
<i>Coptis trifolia</i>	Goldthread	S5	GREEN	X	X	X	X			X	X	X	X	X	X	X	X		X	X	X	X		X
<i>Cornus alternifolia</i>	Alternate-Leaf Dogwood	S5	GREEN	X		X																		
<i>Cornus canadensis</i>	Dwarf Dogwood	S5	GREEN	X		X	X	X	X		X	X	X	X	X	X	X			X	X			
<i>Cypripedium acaule</i>	Pink Lady's-Slipper	S5	GREEN	X									X	X	X				X		X			
<i>Cystopteris fragilis</i>	Fragile Fern	S4	GREEN																	X				
<i>Dalibarda repens</i>	Dewdrop	S5	GREEN												X		X							
<i>Danthonia compressa</i>	Flattened Oatgrass	S4	GREEN				X			X				X			X	X		X		X	X	X
<i>Danthonia spicata</i>	Poverty Oat-Grass	S5	GREEN	X	X	X		X			X		X	X				X	X	X	X	X	X	X
<i>Daphne mezereum</i>	February Daphne	SE	EXOTIC									X											X	
<i>Daucus carota</i>	Wild Carrot	SE	EXOTIC	X					X									X	X					

Scientific Name	Common Name	ACCDC Rank	NSDNR Rank	General	SS 1	SS 2	SS 3	SS 4	SS 5	SS 6	SS 7	SS 8	SS 9	SS 10	SS 11	SS 12	SS 13	SS 14	SS 15	SS 16	SS 17	SS 18	SS 19	SS 20
<i>Eupatorium perfoliatum</i>	Common Boneset	S5	GREEN				X			X														
<i>Euphrasia nemorosa</i>	Common Eyebright	S5SE	GREEN					X																
<i>Euphrasia officinalis</i>	Drug Eyebright	SE	EXOTIC	X					X			X		X										
<i>Euthamia graminifolia</i>	Flat-Top Fragrant-Golden-Rod	S5	GREEN	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
<i>Fagus grandifolia</i>	American Beech	S5	GREEN			X																X		
<i>Festuca filiformis</i>	Hair Fescue	SE	EXOTIC																	X	X		X	
<i>Festuca pratensis</i>	Meadow Rye Grass	SE	EXOTIC	X														X	X					
<i>Festuca rubra</i>	Red Fescue	S5	GREEN									X								X		X	X	
<i>Festuca sp.</i>	Fescue	n/a	n/a											X										
<i>Fragaria virginiana</i>	Virginia Strawberry	S5	GREEN			X	X	X	X		X			X			X	X	X	X	X		X	X
<i>Fraxinus americana</i>	White Ash	S5	GREEN	X	X	X				X	X						X	X	X					X
<i>Galeopsis tetrahit</i>	Brittle-Stem Hempnettle	SE	EXOTIC	X				X	X			X						X				X	X	
<i>Galium asprellum</i>	Rough Bedstraw	S5	GREEN															X						
<i>Galium palustre</i>	Marsh Bedstraw	S5	GREEN															X					X	
<i>Galium sp.</i>	Bedstraw	n/a	n/a																		X			
<i>Galium tinctorium</i>	Stiff Marsh Bedstraw	S5	GREEN																	X				X
<i>Galium trifidum</i>	Small Bedstraw	S5	GREEN				X		X														X	
<i>Galium triflorum</i>	Sweet-Scent Bedstraw	S5	GREEN						X		X													
<i>Gaylussacia baccata</i>	Black Huckleberry	S5	GREEN												X									
<i>Geum rivale</i>	Purple Avens	S5	GREEN														X							
<i>Glyceria canadensis</i>	Canada Manna-Grass	S5	GREEN	X											X									
<i>Glyceria grandis</i>	American Mannagrass	S4S5	GREEN	X			X		X						X									
<i>Glyceria laxa</i>	Northern Mannagrass	S4?	GREEN				X			X							X							X
<i>Glyceria sp.</i>	A Grass	n/a	n/a							X					X							X		
<i>Glyceria striata</i>	Fowl Manna-Grass	S5	GREEN		X	X	X		X	X		X			X		X	X	X	X	X		X	X
<i>Glyceria X laxa</i>	Long Mannagrass	n/a	n/a														X							
<i>Gnaphalium uliginosum</i>	Low Cudweed	SE	EXOTIC	X																		X		
<i>Gymnocarpium dryopteris</i>	Northern Oak Fern	S5	GREEN	X	X	X	X		X	X	X						X			X	X			X
<i>Hedeoma pulegioides</i>	American Pennyroyal	S2S3	YELLOW	X																				
<i>Hieracium aurantiacum</i>	Orange Hawkweed	SE	EXOTIC					X	X					X				X					X	
<i>Hieracium caespitosum</i>	Meadow Hawkweed	SE	EXOTIC	X		X		X				X		X				X	X	X		X	X	
<i>Hieracium murorum</i>	Wall Hawkweed	SE	EXOTIC																				X	
<i>Hieracium paniculatum</i>	Panicled Hawkweed	S3	GREEN									X												
<i>Hieracium scabrum</i>	Rough Hawkweed	S5	GREEN									X	X	X								X		
<i>Hieracium sp.</i>	Hawkweed	n/a	n/a									X					X				X	X	X	

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<i>Lycopodium hickeyi</i>	Hickey's Clubmoss	S2?	UNDETER MINE																			X		
<i>Lycopodium obscurum</i>	Tree Clubmoss	S5	GREEN																			X		
<i>Lycopus uniflorus</i>	Northern Bugleweed	S5	GREEN		X					X	X		X	X	X		X	X			X			
<i>Lysimachia terrestris</i>	Swamp Loosestrife	S5	GREEN	X				X	X						X								X	
<i>Lythrum salicaria</i>	Purple Loosestrife	SE	EXOTIC	X																				
<i>Maianthemum canadense</i>	Wild Lily-of-The-Valley	S5	GREEN	X	X	X	X	X	X	X	X	X	X	X		X		X	X	X	X	X		X
<i>Matricaria matricarioides</i>	Pineapple-Weed Chamomile	SE	EXOTIC	X																				
<i>Medeola virginiana</i>	Indian Cucumber-Root	S5	GREEN		X																			
<i>Melampyrum lineare</i>	American Cow-Wheat	S5	GREEN																		X			
<i>Mentha arvensis</i>	Corn Mint	S5	GREEN	X																			X	
<i>Mentha x piperata</i>	Peppermint	SE	EXOTIC															X						
<i>Mitchella repens</i>	Partridge-Berry	S5	GREEN		X				X						X		X							X
<i>Monotropa uniflora</i>	Indian-Pipe	S5	GREEN	X	X	X	X				X	X		X					X		X	X	X	
<i>Myrica pensylvanica</i>	Northern Bayberry	S5	GREEN	X				X	X			X	X	X	X						X	X		
<i>Nemopanthus mucronata</i>	Mountain Holly	S5	GREEN	X				X	X				X	X	X	X	X	X	X					
<i>Oenothera biennis</i>	Common Evening-Primrose	S5	GREEN	X										X										
<i>Oenothera fruticosa</i>	Narrow-Leaved Sundrops	S2S3SE?	UNDETER MINE	X														X						
<i>Oenothera parviflora</i>	Northern Evening-Primrose	S4?	GREEN											X										
<i>Oenothera perennis</i>	Small Sundrops	S5	GREEN	X			X		X		X	X						X						X
<i>Onoclea sensibilis</i>	Sensitive Fern	S5	GREEN	X		X		X			X			X			X				X		X	
<i>Oryzopsis asperifolia</i>	White-Grained Mountain-Ricegrass	S5	GREEN									X												
<i>Osmunda cinnamomea</i>	Cinnamon Fern	S5	GREEN	X	X	X	X	X	X	X	X		X	X	X		X			X	X		X	X
<i>Osmunda claytoniana</i>	Interrupted Fern	S5	GREEN	X	X		X	X	X	X	X		X	X	X		X				X			X
<i>Osmunda regalis</i>	Royal Fern	S5	GREEN											X										
<i>Oxalis acetosella</i>	White Wood-Sorrel	S5	GREEN	X	X	X	X				X					X	X		X	X	X	X		X
<i>Oxalis stricta</i>	Upright Yellow Wood-Sorrel	S5	GREEN															X					X	
<i>Phalaris arundinacea</i>	Reed Canary Grass	S5	GREEN	X																				
<i>Phegopteris connectilis</i>	Northern Beech Fern	S5	GREEN	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X	X		X
<i>Phleum pratense</i>	Meadow Timothy	SE	EXOTIC	X									X					X						X
<i>Picea glauca</i>	White Spruce	S5	GREEN	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
<i>Picea mariana</i>	Black Spruce	S5	GREEN						X				X		X		X							
<i>Picea rubens</i>	Red Spruce	S5	GREEN	X	X	X	X			X			X		X	X	X		X		X			
<i>Plantago lanceolata</i>	English Plantain	SE	EXOTIC						X			X						X					X	

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<i>Plantago major</i>	Nipple-Seed Plantain	SE	EXOTIC	X														X	X				X		
<i>Platanthera clavellata</i>	Small Green Woodland Orchid	S5	GREEN												X										
<i>Platanthera obtusata</i>	Small Northern Bog-Orchid	S4S5	GREEN	X		X																			
<i>Platanthera psycodes</i>	Small Purple-Fringe Orchis	S4	GREEN	X							X						X						X		
<i>Platanthera sp.</i>	Orchis	n/a	n/a								X				X										
<i>Poa compressa</i>	Canada Bluegrass	SE	EXOTIC									X											X		
<i>Poa palustris</i>	Fowl Bluegrass	S5	GREEN															X							
<i>Poa pratensis</i>	Kentucky Bluegrass	S5	GREEN									X											X		
<i>Poa saltuensis</i>	Drooping Bluegrass	S4S5	GREEN		X						X														
<i>Poa sp.</i>	Bluegrass	n/a	n/a									X													
<i>Pogonia ophioglossoides</i>	Snakemouth Orchid	S5	GREEN												X										
<i>Polygonum cilinode</i>	Fringed Black Bindweed	S5	GREEN													X		X				X			
<i>Polygonum persicaria</i>	Lady's Thumb	SE	EXOTIC	X																					
<i>Polygonum sagittatum</i>	Arrow-Leaved Tearthumb	S5	GREEN	X					X									X							
<i>Polypodium appalachianum</i>	Appalachian Polypody	S3?	UNDETER MINE																	X					
<i>Polypodium virginianum</i>	Rock Polypody	S5	GREEN													X				X	X				
<i>Polystichum acrostichoides</i>	Christmas Fern	S5	GREEN	X	X	X		X			X											X		X	
<i>Populus grandidentata</i>	Large-Tooth Aspen	S5	GREEN						X													X			
<i>Populus tremuloides</i>	Quaking Aspen	S5	GREEN	X				X	X				X									X			
<i>Potentilla norvegica</i>	Norwegian Cinquefoil	S5	GREEN	X			X									X							X	X	
<i>Potentilla recta</i>	Sulphur Cinquefoil	SE	EXOTIC								X												X		
<i>Potentilla simplex</i>	Old-Field Cinquefoil	S5	GREEN	X		X	X	X	X	X	X	X	X	X	X		X	X	X				X	X	X
<i>Potentilla sp.</i>	Cinquefoil	n/a	n/a															X							
<i>Prenanthes altissima</i>	Tall Rattlesnake-root	S4S5	GREEN		X	X																		X	
<i>Prenanthes trifoliolata</i>	Three-Leaved Rattlesnake-root	S5	GREEN	X	X						X						X					X		X	
<i>Prunella vulgaris</i>	Self-Heal	S5	GREEN	X	X			X		X			X	X				X	X	X				X	
<i>Prunus pensylvanica</i>	Fire Cherry	S5	GREEN	X						X		X	X	X											
<i>Prunus serotina</i>	Wild Black Cherry	S5	GREEN	X			X																		
<i>Prunus virginiana</i>	Choke Cherry	S5	GREEN	X	X			X	X			X	X	X		X		X		X	X	X	X	X	
<i>Pteridium aquilinum</i>	Bracken Fern	S5	GREEN	X		X																			
<i>Pyrola rotundifolia var. americana ameri</i>	American Wintergreen	S5	GREEN																			X			
<i>Pyrus malus</i>	Common Apple	SE	EXOTIC						X																
<i>Ranunculus acris</i>	Tall Butter-Cup	SE	EXOTIC	X				X	X	X		X					X						X		

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<i>Vaccinium angustifolium</i>	Late Lowbush Blueberry	S5	GREEN	X									X											
<i>Vaccinium macrocarpon</i>	Large Cranberry	S5	GREEN	X																				
<i>Vaccinium myrtilloides</i>	Velvetleaf Blueberry	S5	GREEN										X				X							
<i>Vaccinium oxycoccos</i>	Small Cranberry	S5	GREEN	X																				
<i>Verbascum thapsus</i>	Great Mullein	SE	EXOTIC	X								X						X					X	
<i>Veronica officinalis</i>	Gypsy-Weed	S5SE	EXOTIC	X	X	X	X	X		X	X	X	X	X			X	X	X	X		X	X	X
<i>Veronica serpyllifolia</i>	Thyme-Leaved Speedwell	S5	GREEN																				X	
<i>Viburnum nudum</i>	Possum-Haw Viburnum	S5	GREEN			X	X	X	X				X	X	X			X		X	X	X		
<i>Viburnum opulus</i>	Guelder-Rose Viburnum	S5	GREEN																				X	
<i>Vicia cracca</i>	Tufted Vetch	SE	EXOTIC	X																				
<i>Viola blanda</i>	Smooth White Violet	S5	GREEN		X	X	X	X																
<i>Viola cucullata</i>	Marsh Blue Violet	S5	GREEN		X		X		X	X	X	X	X	X		X	X	X				X		X
<i>Viola lanceolata</i>	Lance-Leaf Violet	S5	GREEN	X									X		X									
<i>Viola macloskeyi</i>	Smooth White Violet	S5	GREEN			X	X		X	X	X	X	X	X	X	X		X					X	X
<i>Viola sagittata</i>	Arrow-Leaved Violet	S3S4	GREEN	X									X									X		
<i>Viola sororia</i>	Northern Blue Violet	S5?	GREEN	X	X	X	X	X		X	X	X	X	X		X	X	X	X				X	X
<i>Viola sp.</i>	Violet	n/a	n/a								X			X									X	
<i>Xyris difformis</i>	Carolina Yellow-Eyed-Grass	S4	GREEN	X											X									

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