

Purpose and use of this document

The species lists housed within this document will be useful to planners for several purposes. First, the lists may aid in identifying and delineating existing plant community types, and to facilitate the planning of restoration and management of these systems. Secondly, the species lists can be used to aid in the development of community-based restoration seed mixes, resulting in a restoration reminiscent of a functional natural community. In such cases, the inclusion of dominant and co-dominant species in restoration plans is essential. Species not listed as either dominant or co-dominant under the strata column of the table are considered community associated species that the planner may choose from while developing custom seed mixes. The associated species included in a mix may vary, especially when trying to achieve specific restoration goals for a site (i.e. a necessary food plant(s) for a declining pollinator species, etc.). In all cases, the appropriate NRCS FOTG Standards and Technical Notes will be followed, including: Conservation Cover (327); Restoration and Management of Declining Habitats (643); Wetland Wildlife Habitat Management (644); Upland Wildlife Habitat Management (645); Tree and Shrub Establishment (612); Agronomy Tech Note 27; when preparing seeding, restoration and management plans, while specific program criteria can be found in the appropriate conservation program manuals. In addition, the 643 Restoration and Management of Declining Habitats specification will help guide plant community restoration regardless of which practice standard is followed.

The species lists contained in this document are for plant communities that occur in Iowa according to the NatureServe Explorer database. These lists have been compiled from species accounts within the respective NatureServe community alliance and association pages (plant community descriptions can be accessed via the NatureServe Explorer website: <http://www.natureserve.org/explorer/servlet/NatureServe?init=Ecol>). These preliminary species lists will be subjected to expert panel review and updated periodically in an effort to reflect the unique composition and structure of representative, quality remnants of these communities in Iowa. In the coming months, community descriptions customized for Iowa will be subjected to expert panel review and will be available in this document as well.

TERMS	DEFINITION	ADDITIONAL COMMENTS
Iowa C of C	Iowa Coefficient of Conservatism	Plant species are assigned a coefficient of conservatism (C of C) representing an estimated probability that a species is likely to occur in a landscape relatively unaltered from what is believed to be a pre-settlement condition. Coefficients range from 0 (highly tolerant of disturbance, little fidelity to any natural community) to 10 (highly intolerant of disturbance, restricted to pre-settlement remnants).
Strata – Vertical Structure of the Plant Community. Some plant communities do not exhibit all strata.		
Canopy	The uppermost layer in a forest or woodland, formed by the crowns of mature trees.	
Sub-canopy	Consists of immature trees and small trees that are shorter than the canopy level.	
Shrub Layer	Is characterized by woody vegetation that grows relatively close to the ground.	
Herbaceous Layer	Is dominated by herbaceous plants such as grasses, ferns, forbs, and other ground cover.	
Vine Component	Woody or herbaceous vine species within the herbaceous, shrub, sub-canopy, or canopy layers.	
Floating-leaved	A zone dominated by hydrophytic plants, either rooted or nonrooted, in which the leaves float or just break the water surface in permanently to semipermanently inundated conditions. This zone may be interspersed with the submergent zone.	
Submergent	A zone dominated by hydrophytic plants, either rooted or nonrooted, submersed entirely beneath the water surface, except for flowering parts in some species, in permanently to semipermanently inundated conditions..	
Dominant	Species that predominate in a community because their size, abundance, or coverage ($\geq 20\%$).	
Co-dominant	Characteristic and prevalent species in a biotic community, but abundance or coverage (10% - 19%) is not as great as that of dominant species.	
Associate	Species (< 10% cover) in a specific geographic area characterizing a community amongst dominant and co-dominant species.	
Physiognomy		State Status
P-FORB	Perennial Forb	SC Special Concern Species
P-GRASS	Perennial Grass	T Threatened Species
P-SEDGE	Perennial Sedge	E Endangered Species
A-GRASS	Annual Grass	Seeding/planting of species with a State or Federal T or E status will only be conducted in concurrence with the Iowa Department of Natural Resources and/or the US Fish & Wildlife Service. Restoration of listed species (T, E, or SC) shall be via ecotype/source identified accessions.
A-FORB	Annual Forb	
A-SEDGE	Annual Sedge	
B-FORB	Biannual Forb	
FERN	Fern or Fern Associate	
SHRUB	Shrub and Sub-shrub	* Fraxinus spp.
TREE	Tree	Emerald Ash Borer invasion may pose serious risks to the long-term viability of this species.
W-VINE	Woody Vine	
H-VINE	Herbaceous Vine	

Iowa NRCS Plant Community Species Lists

Based on NatureServe Explorer Plant Community Alliances and Associations

12/27/2007

BARRENS, BLACK OAK - LUPINE

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Ambrosia psilostachya	Western ragweed	Herbaceous Layer	P-FORB	2		
Amorpha canescens	Lead plant	Shrub Layer	SHRUB	8	256000	
Amphicarpaea bracteata	Hog peanut	Vine Component	H-VINE	4		
Andropogon gerardii	Big bluestem	Herbaceous Layer, Dominant	P-GRASS	4	160000	
Antennaria neglecta	Pussytoes	Herbaceous Layer	P-FORB	2	3360000	
Antennaria plantaginifolia	Ladies'-tobacco	Herbaceous Layer	P-FORB	2	4400000	
Artemisia ludoviciana	White sage	Herbaceous Layer	P-FORB	2	4000000	
Calamovilfa longifolia	Prairie sandreed	Herbaceous Layer	P-GRASS	7	274000	
Carex pensylvanica	Pennsylvania oak sedge	Herbaceous Layer, Dominant	P-SEDGE	6	480000	
Carex spp.	True Sedges	Herbaceous Layer	P-SEDGE			
Carya ovata	Shagbark hickory	Sub-canopy	TREE	5	96	
Ceanothus americanus	New Jersey tea	Shrub Layer	SHRUB	8	121600	
Comandra umbellata	Bastard toadflax	Herbaceous Layer	P-FORB	6		
Cornus amomum	Silky dogwood	Shrub Layer	SHRUB	6	12208	
Cornus foemina	Gray dogwood	Shrub Layer	SHRUB	1		
Corylus americana	Hazelnut	Shrub Layer	SHRUB	3	480	
Euphorbia corollata	Flowering spurge	Herbaceous Layer	P-FORB	3	128000	
Gaylussacia baccata	Black huckleberry	Shrub Layer	SHRUB	8	354000	T
Helianthemum bicknellii	Rockrose	Herbaceous Layer	P-FORB	7		
Helianthemum canadense	Common rockrose	Herbaceous Layer	P-FORB	7		
Hesperostipa spartea	Porcupine grass	Herbaceous Layer	P-GRASS	6	10880	
Lespedeza capitata	Round-headed bush clover	Herbaceous Layer	P-FORB	3	128000	
Lithospermum canescens	Hoary puccoon	Herbaceous Layer	P-FORB	7		
Lithospermum carolinense	Hairy puccoon	Herbaceous Layer	P-FORB	6		
Lupinus perennis	Wild lupine	Herbaceous Layer	P-FORB	10	17600	T
Parthenocissus quinquefolia	Virginia creeper	Vine Component	W-VINE	2	112000	
Prunus serotina	Wild black cherry	Sub-canopy	TREE	3	4800	
Pteridium aquilinum	Bracken fern	Herbaceous Layer	FERN	4		
Quercus alba	White oak	Canopy, Associate	TREE	6	128	
Quercus ellipsoidalis	Hill's oak, Northern pin oak	Canopy, Associate	TREE	4		
Quercus velutina	Black oak	Canopy, Dominant	TREE	4	245	
Rhus glabra	Smooth sumac	Shrub Layer	SHRUB	0	59775	
Rosa carolina	Pasture rose	Shrub Layer	SHRUB	4	40000	

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BARRENS, BLACK OAK - LUPINE

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Rosa spp.	Wildrose	Shrub Layer	SHRUB			
Rubus allegheniensis	Blackberry	Shrub Layer	SHRUB	2	262000	
SASSAFRAS ALBIDUM	Sassafras	Sub-canopy	TREE	*	5000	SC
Schizachyrium scoparium	Little bluestem	Herbaceous Layer, Dominant	P-GRASS	5	240000	
Sorghastrum nutans	Indian grass	Herbaceous Layer	P-GRASS	4	192000	
Symphoricarpos occidentalis	Wolfberry, buckbrush	Shrub Layer	SHRUB	0	75033	
Toxicodendron radicans	Poison ivy	Vine Component	W-VINE	0		
Vaccinium angustifolium	Low sweet blueberry	Shrub Layer	SHRUB	10	1972000	T

FOREST, ASPEN - AMERICAN HAZEL

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Amelanchier alnifolia	Northwestern serviceberry	Shrub Layer	SHRUB	10	60051	SC
Amelanchier spp.	Service Berries	Shrub Layer, Dominant				
Aralia nudicaulis	Wild sarsaparilla	Herbaceous Layer	SHRUB	8	99000	
Betula papyrifera	Paper birch, canoe birch	Canopy, Co-dominant	TREE	6	1380800	
Carex pensylvanica	Pennsylvania oak sedge	Herbaceous Layer	P-SEDGE	6	480000	
Cornus spp.	Dogwood	Shrub Layer				
Corylus americana	Hazelnut	Shrub Layer, Dominant	SHRUB	3	480	
Corylus cornuta	Beaked hazel	Shrub Layer	SHRUB	10	549	
Fraxinus pennsylvanica lanceolata*	Green ash	Canopy, Co-dominant	TREE	1	14320	
Maianthemum canadense	Canada mayflower	Herbaceous Layer	P-FORB	8		
Maianthemum Stellatum	Starry false Solomon's seal	Herbaceous Layer	P-FORB	5		
Oryzopsis asperifolia	Rough-leaved rice-grass	Herbaceous Layer	P-GRASS	10		SC
POPULUS BALSAMIFERA	Balsam poplar	Canopy, Associate	TREE	*		
Populus tremuloides	Quaking aspen	Canopy, Dominant	TREE	2	3600000	
Prunus virginiana	Choke cherry	Shrub Layer	SHRUB	2	4971	
Quercus ellipsoidalis	Hill's oak, Northern pin oak	Canopy, Co-dominant	TREE	4		
Quercus macrocarpa	Bur oak	Canopy, Co-dominant	TREE	4	64	
Rubus spp.	Blackberry	Shrub Layer				
Salix spp.	Willow	Shrub Layer				
Sanicula marilandica	Black snakeroot	Herbaceous Layer	P-FORB	5		
Schizachne purpurascens	False medic	Herbaceous Layer	P-GRASS	9		
Symphoricarpos occidentalis	Wolfberry, buckbrush	Shrub Layer	SHRUB	0	75033	
Thalictrum dioicum	Early meadow-rue	Herbaceous Layer	P-FORB	8	116800	
Tilia americana	Basswood, American linden	Canopy, Co-dominant	TREE	5	4765	
Ulmus americana	American elm	Canopy, Associate	TREE	2	68000	
Viburnum opulus americanum	Highbush cranberry	Shrub Layer	SHRUB	10	12992	
Viburnum rafinesquianum	Downy arrowwood	Shrub Layer, Dominant	SHRUB	8	12900	
Viola spp.	Violet	Herbaceous Layer				

FOREST, BASSWOOD - BUR OAK

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Amelanchier alnifolia	Northwestern serviceberry	Shrub Layer	SHRUB	10	60051	SC
Anemone spp.	Anemone	Herbaceous Layer				
Aquilegia canadensis	Columbine	Herbaceous Layer	P-FORB	6	608000	
Betula papyrifera	Paper birch, canoe birch	Canopy, Co-dominant	TREE	6	1380800	
Caulophyllum thalictroides	Blue cohosh	Herbaceous Layer	P-FORB	9	1120	
Celtis occidentalis	Hackberry	Canopy, Associate	TREE	2	96000	
Dicentra cucullaria	Dutchman's breeches	Herbaceous Layer	P-FORB	7		
Fraxinus pennsylvanica lanceolata*	Green ash	Canopy, Co-dominant	TREE	1	14320	
Juglans nigra	Black walnut	Canopy, Co-dominant	TREE	4	40	
Juniperus virginiana	Red cedar	Shrub Layer	TREE	1	43600	
Laportea canadensis	Wood nettle	Herbaceous Layer	P-FORB	3		
Maianthemum Stellatum	Starry false Solomon's seal	Herbaceous Layer	P-FORB	5		
Menispermum canadense	Moonseed	Vine Component	W-VINE	5		
Ostrya virginiana	Ironwood, hop hornbeam	Canopy, Co-dominant	TREE	5	30000	
Phlox divaricata	Sweet William, blue phlox	Herbaceous Layer	P-FORB	5	200000	
Podophyllum peltatum	Mayapple	Herbaceous Layer	P-FORB	4		
Polygonatum biflorum	Solomon's seal	Herbaceous Layer	P-FORB	4	12800	
Populus tremuloides	Quaking aspen	Canopy, Dominant	TREE	2	3600000	
Quercus macrocarpa	Bur oak	Canopy, Dominant	TREE	4	64	
Quercus rubra	Northern red oak	Canopy, Associate	TREE	6	125	
Rudbeckia laciniata	Tall coneflower	Herbaceous Layer	P-FORB	4	1472000	
Smilax tamnoides	Greenbrier	Vine Component	W-VINE	4		
Symphoricarpos occidentalis	Wolfberry, buckbrush	Shrub Layer, Dominant	SHRUB	0	75033	
Tilia americana	Basswood, American linden	Canopy, Dominant	TREE	5	4765	
Ulmus americana	American elm	Canopy, Associate	TREE	2	68000	
Urtica dioica	Stinging nettle	Herbaceous Layer	P-FORB	0		
Viola pubescens	Downy yellow violet	Herbaceous Layer	P-FORB	5		
Zanthoxylum americanum	Prickly ash	Shrub Layer	SHRUB	3		

FOREST, BLACK OAK

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer rubrum	Red maple	Canopy, Associate	TREE	*	22720	
Amphicarpaea bracteata	Hog peanut	Vine Component	H-VINE	4		
Antennaria plantaginifolia	Ladies'-tobacco	Herbaceous Layer	P-FORB	2	4400000	
Botrychium virginianum	Rattlesnake fern	Herbaceous Layer	FERN	6		
Carex blanda	Common wood sedge	Herbaceous Layer	P-SEDGE	2		
Carex pensylvanica	Pennsylvania oak sedge	Herbaceous Layer, Dominant	P-SEDGE	6	480000	
Carya alba	Mockernut hickory	Canopy, Associate	TREE	7	90	
Carya ovata	Shagbark hickory	Canopy, Associate	TREE	5	96	
Conopcholis americana	Cancer-root, squaw-root	Herbaceous Layer	P-FORB	10		SC
Cornus racemosa	Gray dogwood	Shrub Layer	SHRUB	1		
Corylus americana	Hazelnut	Shrub Layer	SHRUB	3	480	
Corylus cornuta	Beaked hazel	Shrub Layer	SHRUB	10	549	
Danthonia spicata	Poverty oat grass	Herbaceous Layer	P-GRASS	5	400000	
Desmodium nudiflorum	Bare-stemmed tick-trefoil	Herbaceous Layer	P-FORB	8		
Dioscorea villosa	Wild yam	Vine Component	H-VINE	5	44800	
Gallium spp.	Bedstraw	Herbaceous Layer				
Geranium maculatum	Wild geranium	Herbaceous Layer	P-FORB	6	80000	
Hamamelis virginiana	Witch hazel	Shrub Layer	SHRUB	10	10992	
Maianthemum racemosum	False Solomon's seal	Herbaceous Layer	P-FORB	4	6400	
Ostrya virginiana	Ironwood, hop hornbeam	Sub-canopy	TREE	5	30000	
Polygonatum biflorum	Solomon's seal	Herbaceous Layer	P-FORB	4	12800	
Prunus serotina	Wild black cherry	Canopy, Associate	TREE	3	4800	
Pteridium aquilinum	Bracken fern	Herbaceous Layer	FERN	4		
Quercus alba	White oak	Canopy, Associate	TREE	6	128	
Quercus macrocarpa	Bur oak	Canopy, Associate	TREE	4	64	
Quercus rubra	Northern red oak	Canopy, Associate	TREE	6	125	
Quercus stellata	Post oak	Canopy, Associate	TREE	4	380	
Quercus velutina	Black oak	Canopy, Dominant	TREE	4	245	
SASSAFRAS ALBIDUM	Sassafras	Shrub Layer	TREE	*	5000	SC
Vaccinium angustifolium	Low sweet blueberry	Shrub Layer	SHRUB	10	1972000	T
Vaccinium myrtilloides	Velvet-leaf blueberry	Shrub Layer	SHRUB	10		T

Iowa NRCS Plant Community Species Lists

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FOREST, BLACK OAK - WHITE OAK - HICKORY

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer rubrum	Red maple	Canopy, Associate	TREE	*	22720	
Acer saccharum	Sugar maple	Sub-canopy	TREE	5	6080	
Agrimonia gryposepala	Tall agrimony	Herbaceous Layer	P-FORB	3	250000	
Amphicarpaea bracteata	Hog peanut	Vine Component	H-VINE	4		
Antennaria plantaginifolia	Ladies'-tobacco	Herbaceous Layer	P-FORB	2	4400000	
Botrychium virginianum	Rattlesnake fern	Herbaceous Layer	FERN	6		
Carex blanda	Common wood sedge	Herbaceous Layer	P-SEDGE	2		
Carex pensylvanica	Pennsylvania oak sedge	Herbaceous Layer	P-SEDGE	6	480000	
Carya alba	Mockernut hickory	Canopy, Associate	TREE	7	90	
Carya ovata	Shagbark hickory	Canopy, Dominant	TREE	5	96	
Conopholis americana	Cancer-root, squaw-root	Herbaceous Layer	P-FORB	10		SC
Cornus drummondii	Rough-leaved dogwood	Shrub Layer	SHRUB	6	15700	
Cornus foemina	Gray dogwood	Shrub Layer	SHRUB	1		
Corylus americana	Hazelnut	Shrub Layer	SHRUB	3	480	
Danthonia spicata	Poverty oat grass	Herbaceous Layer	P-GRASS	5	400000	
Desmodium glutinosum	Pointed tick-trefoil	Herbaceous Layer	P-FORB	5	13440	
Desmodium nudiflorum	Bare-stemmed tick-trefoil	Herbaceous Layer	P-FORB	8		
Dioscorea villosa	Wild yam	Vine Component	H-VINE	5	44800	
Galium circaezans	Wild licorice	Herbaceous Layer	P-FORB	6		
Gallium spp.	Bedstraw	Herbaceous Layer				
Geranium maculatum	Wild geranium	Herbaceous Layer	P-FORB	6	80000	
Hamamelis virginiana	Witch hazel	Shrub Layer	SHRUB	10	10992	
Maianthemum racemosum	False Solomon's seal	Herbaceous Layer	P-FORB	4	6400	
Maianthemum Stellatum	Starry false Solomon's seal	Herbaceous Layer	P-FORB	5		
Ostrya virginiana	Ironwood, hop hornbeam	Sub-canopy	TREE	5	30000	
Parthenocissus quinquefolia	Virginia creeper	Vine Component	W-VINE	2	112000	
Polygonatum biflorum	Solomon's seal	Herbaceous Layer	P-FORB	4	12800	
Polystichum acrostichoides	Christmas fern	Herbaceous Layer	FERN	8		
Prunus serotina	Wild black cherry	Canopy, Associate	TREE	3	4800	
Quercus alba	White oak	Canopy, Dominant	TREE	6	128	
Quercus ellipsoidalis	Hill's oak, Northern pin oak	Canopy, Associate	TREE	4		
Quercus macrocarpa	Bur oak	Canopy, Associate	TREE	4	64	
Quercus muehlenbergii	Chinquapin oak	Canopy, Associate	TREE	7	400	

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FOREST, BLACK OAK - WHITE OAK - HICKORY

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Quercus rubra	Northern red oak	Canopy, Associate	TREE	6	125	
Quercus stellata	Post oak	Canopy, Associate	TREE	4	380	
Quercus velutina	Black oak	Canopy, Dominant	TREE	4	245	
SASSAFRAS ALBIDUM	Sassafras	Shrub Layer	TREE	*	5000	SC
Toxicodendron radicans	Poison ivy	Vine Component	W-VINE	0		
Vaccinium spp.	Blueberry	Shrub Layer				T
Vitis spp.	Wild Grape	Vine Component				
Vitis vulpina	Frost grape	Vine Component	W-VINE	6	14400	SC

FOREST, BLACK WILLOW RIPARIAN FOREST

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer negundo	Box elder	Canopy, Associate	TREE	0	11360	
Acer rubrum	Red maple	Canopy, Associate	TREE	*	22720	
Acer saccharinum	Silver maple	Canopy, Associate	TREE	1	1440	
Asplenium platyneuron	Ebony spleenwort	Herbaceous Layer	FERN	4		
Betula nigra	River birch	Canopy, Associate	TREE	6	374400	
Boehmeria cylindrica	Bog hemp	Herbaceous Layer	P-FORB	5	325000	
Carya illinoensis	Pecan	Canopy, Associate	TREE	7	96	
Celtis occidentalis	Hackberry	Canopy, Associate	TREE	2	96000	
Cornus drummondii	Rough-leaved dogwood	Shrub Layer	SHRUB	6	15700	
Diospyros virginiana	Persimmon	Canopy, Associate	TREE	1	26880	
Erechtites hieraciifolia	Fireweed	Herbaceous Layer	A-FORB	0		
Eupatorium serotinum	Late boneset	Herbaceous Layer	P-FORB	2		
Fraxinus pennsylvanica*	Red ash	Canopy, Associate	TREE	3	14320	
Fraxinus pennsylvanica lanceolata*	Green ash	Canopy, Associate	TREE	1	14320	
Morus rubra	Red mulberry	Canopy, Associate	TREE	4	344667	
Phytolacca americana	Pokeweed	Herbaceous Layer	P-FORB	0	58000	
Platanus occidentalis	Sycamore	Canopy, Associate	TREE	5	192000	
Polygonum spp.	Knotweed	Herbaceous Layer				
Populus deltoides	Cottonwood	Canopy, Associate	TREE	1	425000	
Quercus marilandica	Blackjack oak	Canopy, Associate	TREE	4	700	
Salix nigra	Black willow	Canopy, Dominant	TREE	3	2500000	
Toxicodendron radicans	Poison ivy	Vine Component	W-VINE	0		
Ulmus americana	American elm	Canopy, Associate	TREE	2	68000	

FOREST, BOXELDER FLOODPLAIN

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer negundo	Box elder	Canopy, Dominant	TREE	0	11360	
Acer rubrum	Red maple	Canopy, Co-dominant	TREE	*	22720	
Acer saccharinum	Silver maple	Canopy, Co-dominant	TREE	1	1440	
ALNUS INCANA	Speckled alder	Shrub Species	SHRUB	7	1084250	
Amorpha fruticosa	Indigo bush, false indigo	Shrub Species	SHRUB	5	59200	
Aster spp.	Aster	Herbaceous Species				
Carex pellita	Wooly sedge	Herbaceous Species	P-SEDGE	4	448000	
Carex spp.	True Sedges	Herbaceous Species	P-SEDGE			
Carpinus caroliniana	Blue beech	Canopy, Co-dominant	TREE	9	30000	
Carya illinoensis	Pecan	Canopy, Co-dominant	TREE	7	96	
Celtis occidentalis	Hackberry	Canopy, Co-dominant	TREE	2	96000	
Cirsium spp.	Thistle	Herbaceous Species				
Cornus sericea	Red-osier dogwood	Shrub Species	SHRUB	7	18400	
Dichanthelium clandestinum	Deertongue grass	Herbaceous Species	P-GRASS	4	350000	
Fraxinus americana*	White ash	Canopy, Associates	TREE	6	10000	
Fraxinus pennsylvanica*	Red ash	Canopy, Associates	TREE	3	14320	
Fraxinus pennsylvanica lanceolata*	Green ash	Canopy, Associates	TREE	1	14320	
Juglans nigra	Black walnut	Canopy, Associate	TREE	4	40	
Morus rubra	Red mulberry	Canopy, Associates	TREE	4	344667	
Parthenocissus quinquefolia	Virginia creeper	Vine Species	W-VINE	2	112000	
Platanus occidentalis	Sycamore	Canopy, Co-dominant	TREE	5	192000	
Poa palustris	Foul meadow grass	Herbaceous Species	P-GRASS	5	2080000	
Populus deltoides	Cottonwood	Canopy, Co-dominant	TREE	1	425000	
Prunus virginiana	Choke cherry	Shrub Species	SHRUB	2	4971	
Rosa woodsii	Western wildrose	Shrub Species	SHRUB	6	50967	
Rudbeckia laciniata	Tall coneflower	Herbaceous Species	P-FORB	4	1472000	
Salix amygdaloides	Peach-leaved willow	Shrub Species	TREE	1	2600000	
Salix interior	Sandbar willow	Shrub Species	SHRUB	0		
Solidago gigantea	Smooth goldenrod	Herbaceous Species	P-FORB	3	4000000	
Toxicodendron radicans	Poison ivy	Vine Species	W-VINE	0		
Ulmus americana	American elm	Canopy, Associates	TREE	2	68000	
Ulmus rubra	Red elm, slippery elm	Canopy, Associate	TREE	2	41000	
Vitis spp.	Wild Grape	Vine Species				

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FOREST, BUR OAK - SWAMP WHITE OAK MIXED BOTTOMLAND

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Boehmeria cylindrica	Bog hemp	Herbaceous Layer	P-FORB	5	325000	
Carex spp.	True Sedges	Herbaceous Layer, Dominant	P-SEDGE			
Carya illinoensis	Pecan	Canopy, Associate	TREE	7	96	
Carya laciniosa	Shellbark hickory	Canopy, Co-dominant	TREE	8	30	
Cinna arundinacea	Wood reed	Herbaceous Layer	P-GRASS	4		
Fraxinus pennsylvanica lanceolata*	Green ash	Canopy, Associate	TREE	1	14320	
Leersia oryzoides	Rice cut-grass	Herbaceous Layer	P-GRASS	2	544000	
Leersia spp.	Cutgrass	Herbaceous Layer	P-GRASS			
Leersia virginica	Whitegrass	Herbaceous Layer	P-GRASS	6		
Populus deltoides	Cottonwood	Canopy, Associate	TREE	1	425000	
Quercus bicolor	Swamp white oak	Canopy, Dominant	TREE	8	112	
Quercus macrocarpa	Bur oak	Canopy, Dominant	TREE	4	64	
Toxicodendron radicans	Poison ivy	Vine Component	W-VINE	0		
Ulmus americana	American elm	Canopy, Associate	TREE	2	68000	
Uvularia sessilifolia	Sessile-leaved bellwort	Herbaceous Layer	P-FORB	9		

FOREST, CENTRAL GREEN ASH - ELM - HACKBERRY

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer negundo	Box elder	Sub-canopy	TREE	0	11360	
Acer rubrum	Red maple	Sub-canopy	TREE	*	22720	
Acer saccharinum	Silver maple	Canopy, Associate	TREE	1	1440	
Asclepias incarnata	Swamp milkweed	Herbaceous Layer	P-FORB	4	76800	
Asimina triloba	Pawpaw	Sub-canopy	TREE	6	697	SC
Carex grayi	Common bur sedge	Herbaceous Layer	P-SEDGE	7	19200	
Carex intumescens	Greater Bladder Sedge	Herbaceous Layer	P-SEDGE			
Carex lupulina	Common hop sedge	Herbaceous Layer	P-SEDGE	6	52800	
Carex retroflexa	Bent bracted sedge	Herbaceous Layer	P-SEDGE	5		SC
Carex spp.	True Sedges	Herbaceous Layer	P-SEDGE			
Carpinus caroliniana	Blue beech	Sub-canopy	TREE	9	30000	
Carya illinoensis	Pecan	Canopy, Associate	TREE	7	96	
Celtis occidentalis	Hackberry	Canopy, Dominant	TREE	2	96000	
Cornus drummondii	Rough-leaved dogwood	Shrub Layer	SHRUB	6	15700	
Cornus foemina	Gray dogwood	Shrub Layer	SHRUB	1		
Cornus sericea	Red-osier dogwood	Shrub Layer	SHRUB	7	18400	
Diospyros virginiana	Persimmon	Sub-canopy	TREE	1	26880	
Elymus virginicus	Virginia wild rye	Herbaceous Layer	P-GRASS	3	67200	
Eupatorium maculatum	Spotted Joe-pye-weed	Herbaceous Layer	P-FORB	5	1520000	
Eupatorium perfoliatum	Boneset	Herbaceous Layer	P-FORB	6	2560000	
Fern spp.	Fern	Herbaceous Layer				
Fraxinus pennsylvanica lanceolata*	Green ash	Canopy, Dominant	TREE	1	14320	
Galium aparine	Cleavers	Herbaceous Layer	A-FORB	1	500000	
Galium tinctorium	Stiff bedstraw	Herbaceous Layer	P-FORB	7	500000	
Geum canadense	White avens	Herbaceous Layer	P-FORB	2	400000	
Gleditsia triacanthos	Honey locust	Sub-canopy	TREE	0	2800	
Impatiens capensis	Spotted touch-me-not	Herbaceous Layer	A-FORB	3	64000	
Impatiens pallida	Pale touch-me-not, jewel weed	Herbaceous Layer	A-FORB	5	25600	
Impatiens spp.	Touch-me-not	Herbaceous Layer				
Juglans nigra	Black walnut	Canopy, Associate	TREE	4	40	
Laportea canadensis	Wood nettle	Herbaceous Layer	P-FORB	3		
Morus rubra	Red mulberry	Sub-canopy	TREE	4	344667	

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FOREST, CENTRAL GREEN ASH - ELM - HACKBERRY

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Parthenocissus vitacea	Woodbine	Vine Component	W-VINE	1		
Pilea pumila	Clearweed	Herbaceous Layer	A-FORB	3		
Platanus occidentalis	Sycamore	Canopy, Associate	TREE	5	192000	
Populus deltoides	Cottonwood	Canopy, Dominant	TREE	1	425000	
Quercus lyrata	Overcup oak	Canopy, Associate	TREE	10		
Quercus marilandica	Blackjack oak	Canopy, Associate	TREE	4	700	
Quercus muehlenbergii	Chinquapin oak	Canopy, Associate	TREE	7	400	
Ribes missouriense	Wild gooseberry	Shrub Layer	SHRUB	3		
Salix nigra	Black willow	Canopy, Associate	TREE	3	2500000	
Smilax tamnoides	Greenbrier	Vine Component	W-VINE	4		
Symphoricarpos occidentalis	Wolfberry, buckbrush	Shrub Layer	SHRUB	0	75033	
Tilia americana	Basswood	Canopy, Associate	TREE	5	4765	
Toxicodendron radicans	Poison ivy	Vine Component	W-VINE	0		
Toxicodendron rydbergii	Rydberg's poison ivy	Vine Component	SHRUB	0		
Ulmus americana	American elm	Canopy, Dominant	TREE	2	68000	
Ulmus rubra	Red elm, slippery elm	Sub-canopy	TREE	2	41000	
Viola spp.	Violet	Herbaceous Layer				
Vitis riparia	Riverbank grape	Vine Component	W-VINE	1	15200	
Zanthoxylum americanum	Prickly ash	Shrub Layer	SHRUB	3		

FOREST, CENTRAL MAPLE - BASSWOOD

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer nigrum	Black maple	Canopy, Co-dominant	TREE	5	7030	
Acer rubrum	Red maple	Canopy, Associate	TREE	*	22720	
Acer saccharum	Sugar maple	Canopy, Co-dominant	TREE	5	6080	
Acer spicatum	Mountain maple	Shrub Layer	TREE	10	22720	SC
Adiantum pedatum	Northern maidenhair fern	Herbaceous Layer	FERN	7		
Anemone quinquefolia	Wood anemone	Herbaceous Layer	P-FORB	8		
Arisaema triphyllum	Jack-in-the-pulpit	Herbaceous Layer	P-FORB	4	8000	
Asimina triloba	Pawpaw	Shrub Layer	TREE	6	697	SC
Carex pensylvanica	Pennsylvania oak sedge	Herbaceous Layer	P-SEDGE	6	480000	
Carpinus caroliniana	Blue beech	Sub-Canopy	TREE	9	30000	
Carya cordiformis	Bitternut hickory	Canopy, Associate	TREE	5	156	
Carya spp.	Hickories	Canopy, Associate				
Celtis occidentalis	Hackberry	Canopy, Associate	TREE	2	96000	
Claytonia spp.	Spring Beauty	Herbaceous Layer				
Claytonia virginica	Spring beauty	Herbaceous Layer	P-FORB	4	384000	
Corylus americana	Hazelnut	Shrub Layer	SHRUB	3	480	
Dicentra cucullaria	Dutchman's breeches	Herbaceous Layer	P-FORB	7		
Erythronium albidum	White dogtooth-violet	Herbaceous Layer	P-FORB	6		
Erythronium spp.	Fawnlily	Herbaceous Layer				
Eurybia macrophylla	Big-leaved aster	Herbaceous Layer	P-FORB	10	432000	E
Fraxinus pennsylvanica*	Red ash	Canopy, Associate	TREE	3	14320	
Fraxinus pennsylvanica lanceolata*	Green ash	Canopy, Associate	TREE	1	14320	
Geum canadense	White avens	Herbaceous Layer	P-FORB	2	400000	
Hamamelis virginiana	Witch hazel	Shrub Layer	SHRUB	10	10992	
Hepatica nobilis	Round-lobed liverleaf	Herbaceous Layer	P-FORB	10		
Hepatica nobilis	Liverleaf	Herbaceous Layer	P-FORB	6		
Impatiens pallida	Pale touch-me-not, jewel weed	Herbaceous Layer	A-FORB	5	25600	
Juglans nigra	Black walnut	Canopy, Associate	TREE	4	40	
Laportea canadensis	Wood nettle	Herbaceous Layer	P-FORB	3		
Ostrya virginiana	Ironwood, hop hornbeam	Canopy, Dominant	TREE	5	30000	
Polygonatum biflorum	Solomon's seal	Herbaceous Layer	P-FORB	4	12800	
Polygonatum pubescens	Downy Solomon's seal	Herbaceous Layer	P-FORB	10		SC

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FOREST, CENTRAL MAPLE - BASSWOOD

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Prunus virginiana	Choke cherry	Shrub Layer	SHRUB	2	4971	
Quercus alba	White oak	Canopy, Associate	TREE	6	128	
Quercus rubra	Northern red oak	Canopy, Dominant	TREE	6	125	
Ribes spp.	Currant	Shrub Layer				
Sambucus canadensis	Elderberry, common elder	Shrub Layer	SHRUB	1	291584	
Sambucus spp.	Elderberry	Shrub Layer				
Sanicula odorata	Common snakeroot	Herbaceous Layer	P-FORB	5		
Sanicula spp.	Snakeroot	Herbaceous Layer				
Staphylea trifolia	Bladdernut	Herbaceous Layer	SHRUB	7	6800	
Thalictrum dioicum	Early meadow-rue	Herbaceous Layer	P-FORB	8	116800	
Tilia americana	Basswood, American linden	Canopy, Dominant	TREE	5	4765	
Trillium recurvatum	Wake Robin	Herbaceous Layer	P-FORB	8		
Ulmus spp.	Elm	Canopy, Associate				
Uvularia grandiflora	Bellwort	Herbaceous Layer	P-FORB	7		
Viburnum prunifolium	Blackhaw	Shrub Layer	SHRUB	6	4800	SC
Zanthoxylum americanum	Prickly ash	Shrub Layer	SHRUB	3		

FOREST, MIDWESTERN COTTONWOOD - BLACK WILLOW

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer negundo	Box elder	Canopy, Associate	TREE	0	11360	
Acer rubrum	Red maple	Canopy, Associate	TREE	*	22720	
Acer saccharinum	Silver maple	Canopy, Associate	TREE	1	1440	
Aster spp.	Aster	Herbaceous Layer				
Bidens aristosa	Swamp marigold	Herbaceous Layer	A-FORB	3	137600	
Bidens spp.	Beggartick	Herbaceous Layer				
Carex spp.	True Sedges	Herbaceous Layer	P-SEDGE			
Carex typhina	Common cattail sedge	Herbaceous Layer	P-SEDGE	8	224000	
Carpinus caroliniana	Blue beech	Sub-canopy	TREE	9	30000	
Cornus drummondii	Rough-leaved dogwood	Shrub Layer	SHRUB	6	15700	
Cornus sericea	Red-osier dogwood	Shrub Layer	SHRUB	7	18400	
Eragrostis hypnoides	Pony grass	Herbaceous Layer	A-GRASS	2	1500000	
Fraxinus pennsylvanica*	Red ash	Canopy, Associate	TREE	3	14320	
Fraxinus pennsylvanica lanceolata*	Green ash	Canopy, Associate	TREE	1	14320	
Leersia oryzoides	Rice cut-grass	Herbaceous Layer	P-GRASS	2	544000	
Lipocarpa micrantha	Smallflower halfchaff sedge	Herbaceous Layer	A-SEDGE	8		
Platanus occidentalis	Sycamore	Canopy, Associate	TREE	5	192000	
Populus deltoides	Cottonwood	Canopy, Dominant	TREE	1	425000	
Potentilla paradoxa	Bushy cinquefoil	Herbaceous Layer	A-FORB	8		
Salix interior	Sandbar willow	Shrub Layer	SHRUB	0		
Salix nigra	Black willow	Canopy, Dominant	TREE	3	2500000	
Symphotrichum lanceolatum	Panicked aster	Herbaceous Layer	P-FORB	4	700000	
Symphotrichum lateriflorum	Side-flowered aster	Herbaceous Layer	P-FORB	4	4000000	
Toxicodendron radicans	Poison ivy	Vine Component	W-VINE	0		
Ulmus americana	American elm	Canopy, Associate	TREE	2	68000	

FOREST, MIDWESTERN WHITE OAK - RED OAK

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer rubrum	Red maple	Sub-canopy	TREE	*	22720	
Acer saccharum	Sugar maple	Sub-canopy	TREE	5	6080	
Amphicarpaea bracteata	Hog peanut	Vine Component	H-VINE	4		
Anemone virginiana	Tall anemone	Herbaceous Layer	P-FORB	4	448000	
Botrychium virginianum	Rattlesnake fern	Herbaceous Layer	FERN	6		
Brachyelytrum erectum	Long-awned wood grass	Herbaceous Layer	P-GRASS	8		
Carya alba	Mockernut hickory	Canopy, Associate	TREE	7	90	
Carya ovata	Shagbark hickory	Canopy, Co-dominant	TREE	5	96	
Carya spp.	Hickories	Canopy, Associate				
Circaea lutetiana	Enchanter's nightshade	Herbaceous Layer	P-FORB	5	112000	
Cornus alternifolia	Alternate-leaved dogwood	Shrub Layer	TREE	8	8000	
Cornus foemina	Gray dogwood	Shrub Layer	SHRUB	1		
Corylus americana	Hazelnut	Shrub Layer	SHRUB	3	480	
Desmodium glutinosum	Pointed tick-trefoil	Herbaceous Layer	P-FORB	5	13440	
Fraxinus americana*	White ash	Canopy, Associate	TREE	6	10000	
Galium concinnum	Shining bedstraw	Herbaceous Layer	P-FORB	7		
Geranium maculatum	Wild geranium	Herbaceous Layer	P-FORB	6	80000	
Juglans nigra	Black walnut	Canopy, Associate	TREE	4	40	
Maianthemum racemosum	False Solomon's seal	Herbaceous Layer	P-FORB	4	6400	
Osmorhiza claytonii	Sweet cicely	Herbaceous Layer	P-FORB	3	40000	
Ostrya virginiana	Ironwood, hop hornbeam	Sub-canopy	TREE	5	30000	
Parthenocissus quinquefolia	Virginia creeper	Vine Component	W-VINE	2	112000	
Prunus americana	Wild plum	Shrub Layer	TREE	2	870	
Quercus alba	White oak	Canopy, Dominant	TREE	6	128	
Quercus ellipsoidalis	Hill's oak, Northern pin oak	Canopy, Co-dominant	TREE	4		
Quercus macrocarpa	Bur oak	Canopy, Co-dominant	TREE	4	64	
Quercus rubra	Northern red oak	Canopy, Dominant	TREE	6	125	
Quercus velutina	Black oak	Canopy, Co-dominant	TREE	4	245	
Ribes cynosbati	Prickly gooseberry	Shrub Layer	SHRUB	4		
Sanicula odorata	Common snakeroot	Herbaceous Layer	P-FORB	5		
SASSAFRAS ALBIDUM	Sassafras	Sub-canopy	TREE	*	5000	SC
Symphotrichum cordifolium	Blue wood aster	Herbaceous Layer	P-FORB	7	2240000	

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FOREST, MIDWESTERN WHITE OAK - RED OAK

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Tilia americana	Basswood, American linden	Canopy, Associate	TREE	5	4765	
Ulmus americana	American elm	Canopy, Associate	TREE	2	68000	
Zanthoxylum americanum	Prickly ash	Shrub Layer	SHRUB	3		

FOREST, NORTH-CENTRAL MAPLE - BASSWOOD

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer rubrum	Red maple	Canopy, Associate	TREE	*	22720	
Acer saccharum	Sugar maple	Canopy, Dominant	TREE	5	6080	
Acer spicatum	Mountain maple	Shrub Layer	TREE	10	22720	SC
Anemone quinquefolia	Wood anemone	Herbaceous Layer	P-FORB	8		
Carex pensylvanica	Pennsylvania oak sedge	Herbaceous Layer	P-SEDGE	6	480000	
Carpinus caroliniana	Blue beech	Sub-Canopy	TREE	9	30000	
Carya cordiformis	Bitternut hickory	Canopy, Associate	TREE	5	156	
Carya ovata	Shagbark hickory	Canopy, Associate	TREE	5	96	
Carya spp.	Hickories	Canopy, Associate				
Celtis occidentalis	Hackberry	Canopy, Associate	TREE	2	96000	
Claytonia spp.	Spring Beauty	Herbaceous Layer				
Claytonia virginica	Spring beauty	Herbaceous Layer	P-FORB	4	384000	
Cornus alternifolia	Alternate-leaved dogwood	Shrub Layer	TREE	8	8000	
Corylus americana	Hazelnut	Shrub Layer	SHRUB	3	480	
Dicentra cucullaria	Dutchman's breeches	Herbaceous Layer	P-FORB	7		
Erythronium spp.	Fawnlily	Herbaceous Layer				
Eurybia macrophylla	Big-leaved aster	Herbaceous Layer	P-FORB	10	432000	E
Fraxinus pennsylvanica*	Red ash	Canopy, Associate	TREE	3	14320	
Fraxinus pennsylvanica lanceolata*	Green ash	Canopy, Associate	TREE	1	14320	
Hamamelis virginiana	Witch hazel	Shrub Layer	SHRUB	10	10992	
Hepatica nobilis	Round-lobed liverleaf	Herbaceous Layer	P-FORB	10		
Hepatica nobilis	Liverleaf	Herbaceous Layer	P-FORB	6		
Juglans nigra	Black walnut	Canopy, Associate	TREE	4	40	
Laportea canadensis	Wood nettle	Herbaceous Layer	P-FORB	3		
Ostrya virginiana	Ironwood, hop hornbeam	Sub-Canopy	TREE	5	30000	
Polygonatum pubescens	Downy Solomon's seal	Herbaceous Layer	P-FORB	10		SC
Quercus alba	White oak	Canopy, Associate	TREE	6	128	
Quercus rubra	Northern red oak	Canopy, Associate	TREE	6	125	
Ribes spp.	Currant	Shrub Layer	SHRUB			
Sambucus spp.	Elderberry	Shrub Layer	SHRUB			
Sanicula odorata	Common snakeroot	Herbaceous Layer	P-FORB	5		
Tilia americana	Basswood, American linden	Canopy, Dominant	TREE	5	4765	

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FOREST, NORTH-CENTRAL MAPLE - BASSWOOD

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Trillium recurvatum	Wake Robin	Herbaceous Layer	P-FORB	8		
Ulmus spp.	Elm	Canopy, Associate	TREE			
Uvularia grandiflora	Bellwort	Herbaceous Layer	P-FORB	7		
Zanthoxylum americanum	Prickly ash	Shrub Layer	SHRUB	3		

FOREST, NORTHERN BUR OAK MESIC

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Amelanchier alnifolia	Northwestern serviceberry	Shrub Layer, Dominant	SHRUB	10	60051	SC
Aralia nudicaulis	Wild sarsaparilla	Herbaceous Layer	SHRUB	8	99000	
Betula papyrifera	Paper birch, canoe birch	Canopy, Associate	TREE	6	1380800	
Carex assiniboinensis	Assiniboia sedge	Herbaceous Layer	P-SEDGE	10		
Carex blanda	Common wood sedge	Herbaceous Layer	P-SEDGE	2		
Carex spp.	True Sedges	Herbaceous Layer	P-SEDGE			
Caulophyllum thalictroides	Blue cohosh	Herbaceous Layer	P-FORB	9	1120	
Celastrus scandens	Bittersweet	Vine Component	W-VINE	1	28800	
Celtis occidentalis	Hackberry	Canopy, Associate	TREE	2	96000	
Cornus drummondii	Rough-leaved dogwood	Herbaceous Layer, Dominant	SHRUB	6	15700	
Corylus americana	Hazelnut	Shrub Layer	SHRUB	3	480	
Corylus cornuta	Beaked hazel	Shrub Layer	SHRUB	10	549	
Elymus villosus	Slender wild rye	Herbaceous Layer	P-GRASS	5	88000	
Elymus virginicus	Virginia wild rye	Herbaceous Layer	P-GRASS	3	67200	
Fraxinus pennsylvanica lanceolata*	Green ash	Canopy, Associate	TREE	1	14320	
Galium boreale	Northern bedstraw	Herbaceous Layer	P-FORB	7	1120000	
Geum canadense	White avens	Herbaceous Layer	P-FORB	2	400000	
Juglans nigra	Black walnut	Canopy, Associate	TREE	4	40	
Juniperus virginiana	Red cedar	Sub-canopy	TREE	1	43600	
Maianthemum Stellatum	Starry false Solomon's seal	Herbaceous Layer	P-FORB	5		
Osmorhiza longistylis	Anise root	Herbaceous Layer	P-FORB	5		
Parthenocissus quinquefolia	Virginia creeper	Vine Component	W-VINE	2	112000	
Polygonatum biflorum	Solomon's seal	Herbaceous Layer	P-FORB	4	12800	
Populus tremuloides	Quaking aspen	Canopy, Associate	TREE	2	3600000	
Prunus virginiana	Choke cherry	Shrub Layer	SHRUB	2	4971	
Quercus macrocarpa	Bur oak	Canopy, Dominant	TREE	4	64	
Quercus rubra	Northern red oak	Canopy, Associate	TREE	6	125	
Ribes missouriense	Wild gooseberry	Shrub Layer	SHRUB	3		
Ribes spp.	Currant	Shrub Layer				
Rosa spp.	Wildrose	Herbaceous Layer	SHRUB			
Rubus occidentalis	Black raspberry	Shrub Layer	SHRUB	1	335000	
Symphoricarpos occidentalis	Wolfberry, buckbrush	Shrub Layer	SHRUB	0	75033	

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FOREST, NORTHERN BUR OAK MESIC

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Symphoricarpos orbiculatus	Coralberry, buckbrush	Shrub Layer	SHRUB	0	139500	
Tilia americana	Basswood, American linden	Canopy, Associate	TREE	5	4765	
Toxicodendron radicans	Poison ivy	Vine Component	W-VINE	0		
Ulmus americana	American elm	Canopy, Associate	TREE	2	68000	
Ulmus rubra	Red elm, slippery elm	Canopy, Associate	TREE	2	41000	
Viola sororia	Hairy blue violet	Herbaceous Layer	P-FORB	1		
Viola spp.	Violet	Herbaceous Layer				
Zanthoxylum americanum	Prickly ash	Shrub Layer	SHRUB	3		

FOREST, NORTHERN PIN OAK - BUR OAK

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer rubrum	Red maple	Canopy, Associate	TREE	*	22720	
Amphicarpaea bracteata	Hog peanut	Vine Component	H-VINE	4		
Carex pensylvanica	Pennsylvania oak sedge	Herbaceous Layer	P-SEDGE	6	480000	
Cornus racemosa	Gray dogwood	Shrub Layer	SHRUB	1		
Corylus cornuta	Beaked hazel	Shrub Layer	SHRUB	10	549	
Geranium maculatum	Wild geranium	Herbaceous Layer	P-FORB	6	80000	
Juniperus communis	Common juniper	Shrub Layer	SHRUB	5	40363	
Juniperus horizontalis	Creeping juniper	Shrub Layer	SHRUB	10		T
Maianthemum racemosum	False Solomon's seal	Herbaceous Layer	P-FORB	4	6400	
Populus tremuloides	Quaking aspen	Canopy, Associate	TREE	2	3600000	
Prunus serotina	Wild black cherry	Canopy, Associate	TREE	3	4800	
Pteridium aquilinum	Bracken fern	Herbaceous Layer	FERN	4		
Quercus alba	White oak	Canopy, Associate	TREE	6	128	
Quercus ellipsoidalis	Hill's oak, Northern pin oak	Canopy, Dominant	TREE	4		
Quercus macrocarpa	Bur oak	Canopy, Associate	TREE	4	64	
Quercus rubra	Northern red oak	Canopy, Associate	TREE	6	125	
Quercus velutina	Black oak	Canopy, Associate	TREE	4	245	
Vaccinium spp.	Blueberry	Shrub Layer				T

FOREST, PIN OAK MIXED HARDWOOD

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer rubrum	Red maple	Canopy, Dominant	TREE	*	22720	
Acer saccharinum	Silver maple	Canopy, Associate	TREE	1	1440	
Alisma subcordatum	Water plantain	Herbaceous Layer	P-FORB	3	825000	
Betula nigra	River birch	Canopy, Associate	TREE	6	374400	
Cardamine bulbosa	Spring cress	Herbaceous Layer	P-FORB	6		
Cardamine pensylvanica	Bitter cress	Herbaceous Layer	B-FORB	4	275000	
Carex blanda	Common wood sedge	Herbaceous Layer	P-SEDGE	2		
Carex crinita	Fringed sedge	Herbaceous Layer	P-SEDGE	10	368000	SC
Carex laxiculmis	Weak-stemmed wood sedge	Herbaceous Layer	P-SEDGE	10		
Carex rosea	Curly-styled wood sedge	Herbaceous Layer	P-SEDGE	7	848000	
Carex squarrosa	Narrow-leaved cattail sedge	Herbaceous Layer	P-SEDGE	10	320000	
Carex stipata	Common fox sedge	Herbaceous Layer	P-SEDGE	5	544000	
Carya ovata	Shagbark hickory	Canopy, Associate	TREE	5	96	
Cephalanthus occidentalis	Buttonbush	Shrub Layer	SHRUB	6		
Cinna arundinacea	Wood reed	Herbaceous Layer	P-GRASS	4		
Claytonia virginica	Spring beauty	Herbaceous Layer	P-FORB	4	384000	
Cornus spp.	Dogwood	Shrub Layer				
Eleocharis spp.	Spikerush	Herbaceous Layer				
Elymus riparius	Riverbank wild rye	Herbaceous Layer	P-GRASS	5	46400	
Elymus virginicus	Virginia wild rye	Herbaceous Layer	P-GRASS	3	67200	
Eupatorium perfoliatum	Boneset	Herbaceous Layer	P-FORB	6	2560000	
Gaylussacia baccata	Black huckleberry	Shrub Layer	SHRUB	8	354000	T
Glyceria striata	Fowl manna grass	Herbaceous Layer	P-GRASS	5	2560000	
Juncus effusus	Common rush	Herbaceous Layer	P-FORB	4	16000000	SC
Liparis liliifolia	Twayblade	Herbaceous Layer	P-FORB	4		
Ludwigia alternifolia	Seedbox	Herbaceous Layer	P-FORB	4		
Luzula spp.	Woodrush	Herbaceous Layer				
Lycopus virginicus	Bugle weed	Herbaceous Layer	P-FORB	7	108000	
Mimulus ringens	Monkey flower	Herbaceous Layer	P-FORB	3	36800000	
Onoclea sensibilis	Sensitive fern	Herbaceous Layer	FERN	6		
Osmunda regalis	Royal fern	Herbaceous Layer	FERN	10		T
Oxalis violacea	Violet wood sorrel	Herbaceous Layer	P-FORB	7	800000	

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FOREST, PIN OAK MIXED HARDWOOD

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Parthenocissus quinquefolia	Virginia creeper	Vine Component	W-VINE	2	112000	
Penthorum sedoides	Ditch stonecrop	Herbaceous Layer	P-FORB	3	20800000	
Podophyllum peltatum	Mayapple	Herbaceous Layer	P-FORB	4		
Polygala sanguinea	Field milkwort	Herbaceous Layer	A-FORB	6	832000	
Polygonum sagittatum	Tearthumb	Herbaceous Layer	A-FORB	4	125000	
Quercus alba	White oak	Canopy, Associate	TREE	6	128	
Quercus bicolor	Swamp white oak	Canopy, Co-dominant	TREE	8	112	
Quercus ellipsoidalis	Hill's oak, Northern pin oak	Canopy, Dominant	TREE	4		
Quercus macrocarpa	Bur oak	Canopy, Associate	TREE	4	64	
Quercus palustris	Pin oak	Canopy, Dominant	TREE	8	410	
Quercus rubra	Northern red oak	Canopy, Associate	TREE	6	125	
Sambucus canadensis	Elderberry, common elder	Shrub Layer	SHRUB	1	291584	
Scirpus atrovirens	Dark green bulrush	Herbaceous Layer	P-SEDGE	1	7360000	
Scirpus cyperinus	Wooly bulrush	Herbaceous Layer	P-SEDGE	4	27200000	
Thelypteris palustris	Marsh fern	Herbaceous Layer	FERN	6		

FOREST, RED OAK - SUGAR MAPLE - ELM

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer rubrum	Red maple	Canopy, Associate	TREE	*	22720	
Acer saccharum	Sugar maple	Canopy, Associate	TREE	5	6080	
Amelanchier spp.	Service Berries	Shrub Layer				
Asimina triloba	Pawpaw	Shrub Layer	TREE	6	697	SC
Carya cordiformis	Bitternut hickory	Canopy, Associate	TREE	5	156	
Celtis occidentalis	Hackberry	Canopy, Associate	TREE	2	96000	
Corylus cornuta	Beaked hazel	Shrub Layer	SHRUB	10	549	
Elymus virginicus	Virginia wild rye	Herbaceous Layer	P-GRASS	3	67200	
Euonymus atropurpureus	Wahoo, burning bush	Shrub Layer	SHRUB	7		
Fraxinus americana*	White ash	Canopy, Associate	TREE	6	10000	
Geranium maculatum	Wild geranium	Herbaceous Layer	P-FORB	6	80000	
Hamamelis virginiana	Witch hazel	Shrub Layer	SHRUB	10	10992	
Ostrya virginiana	Ironwood, hop hornbeam	Sub-canopy	TREE	5	30000	
Polystichum acrostichoides	Christmas fern	Herbaceous Layer	FERN	8		
Prunus serotina	Wild black cherry	Sub-canopy	TREE	3	4800	
Prunus virginiana	Choke cherry	Shrub Layer, Dominant	SHRUB	2	4971	
Quercus alba	White oak	Canopy, Associate	TREE	6	128	
Quercus rubra	Northern red oak	Canopy, Dominant	TREE	6	125	
Quercus velutina	Black oak	Canopy, Associate	TREE	4	245	
Staphylea trifolia	Bladdernut	Shrub Layer	SHRUB	7	6800	
Tilia americana	Basswood, American linden	Canopy, Associate	TREE	5	4765	
Ulmus americana	American elm	Canopy, Associate	TREE	2	68000	

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FOREST, RIVER BIRCH - SYCAMORE SMALL RIVER FLOODPLAIN

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer negundo	Box elder	Canopy, Associate	TREE	0	11360	
Acer rubrum	Red maple	Canopy, Associate	TREE	*	22720	
Arisaema dracontium	Green dragon	Herbaceous Layer	P-FORB	6		
Asimina triloba	Pawpaw	Shrub Layer	TREE	6	697	SC
Betula nigra	River birch	Canopy, Dominant	TREE	6	374400	
Boehmeria cylindrica	Bog hemp	Herbaceous Layer	P-FORB	5	325000	
Carpinus caroliniana	Blue beech	Sub-canopy	TREE	9	30000	
Carya spp.	Hickories	Canopy, Associate	TREE			
Celtis occidentalis	Hackberry	Canopy, Associate	TREE	2	96000	
Chasmanthium latifolium	Wild oats	Herbaceous Layer	P-GRASS	6	64000	SC
Elymus hystrix	Bottlebrush grass	Herbaceous Layer	P-GRASS	5	121600	
Fraxinus americana*	White ash	Canopy, Associate	TREE	6	10000	
Geranium maculatum	Wild geranium	Herbaceous Layer	P-FORB	6	80000	
Impatiens capensis	Spotted touch-me-not	Herbaceous Layer	A-FORB	3	64000	
Juglans nigra	Black walnut	Canopy, Associate	TREE	4	40	
Laportea canadensis	Wood nettle	Herbaceous Layer	P-FORB	3		
LIRIODENDRON TULIPIFERA	Tulip tree, yellow poplar	Canopy, Dominant	TREE	*	14000	
Parthenocissus quinquefolia	Virginia creeper	Vine Component	W-VINE	2	112000	
Pilea pumila	Clearweed	Herbaceous Layer	A-FORB	3		
Platanus occidentalis	Sycamore	Canopy, Dominant	TREE	5	192000	
Podophyllum peltatum	Mayapple	Herbaceous Layer	P-FORB	4		
Populus deltoides	Cottonwood	Canopy, Dominant	TREE	1	425000	
Prunus serotina	Wild black cherry	Canopy, Associate	TREE	3	4800	
Quercus spp.	Oak	Canopy, Associate	TREE			
Salix nigra	Black willow	Sub-canopy	TREE	3	2500000	
Symphytotrichum ontarionis	Ontario aster	Herbaceous Layer	P-FORB	3		
Toxicodendron radicans	Poison ivy	Vine Component	W-VINE	0		
Ulmus americana	American elm	Canopy, Associate	TREE	2	68000	
Vitis riparia	Riverbank grape	Vine Component	W-VINE	1	14500	

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FOREST, SILVER MAPLE - ELM

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer negundo	Box elder	Canopy, Co-dominant	TREE	0	11360	
Acer saccharinum	Silver maple	Canopy, Dominant	TREE	1	1440	
Amphicarpaea bracteata	Hog peanut	Vine Species	H-VINE	4		
Apios americana	Ground-nut	Vine Components	H-VINE	4		
Asimina triloba	Pawpaw	Shrub Species	TREE	6	697	SC
Aster spp.	Aster	Herbaceous Species				
Betula nigra	River birch	Canopy, Co-dominant	TREE	6	374400	
Boehmeria cylindrica	Bog hemp	Herbaceous Species	P-FORB	5	325000	
Carex grayi	Common bur sedge	Herbaceous Species	P-SEDGE	7	19200	
Carya illinoensis	Pecan	Canopy, Associates	TREE	7	96	
Celtis occidentalis	Hackberry	Canopy, Associates	TREE	2	96000	
Cephalanthus occidentalis	Buttonbush	Shrub Species	SHRUB	6		
Echinocystis lobata	Wild balsam apple	Vine Species	H-VINE	2	2880	
Elymus virginicus	Virginia wild rye	Herbaceous Species	P-GRASS	3	67200	
Fraxinus pennsylvanica lanceolata*	Green ash	Canopy, Associates	TREE	1	14320	
Fraxinus pennsylvanica*	Red ash	Canopy, Associates	TREE	3	14320	
Impatiens capensis	Spotted touch-me-not	Herbaceous Species	A-FORB	3	64000	
Impatiens pallida	Pale touch-me-not, jewel weed	Herbaceous Species	A-FORB	5	25600	
Laportea canadensis	Wood nettle	Herbaceous Species	P-FORB	3		
Leersia lenticularis	Catchfly grass	Herbaceous Species	P-GRASS	7		
Lysimachia spp.	Yellow loosestrife	Herbaceous Species				
Matteuccia struthiopteris	Ostrich fern	Herbaceous Species	FERN	8		
Onoclea sensibilis	Sensitive fern	Herbaceous Species	FERN	6		
Parthenocissus quinquefolia	Virginia creeper	Vine Species	W-VINE	2	112000	
Pilea pumila	Clearweed	Herbaceous Species	A-FORB	3		
Platanus occidentalis	Sycamore	Canopy, Co-dominant	TREE	5	192000	
Polygonum virginianum	Jumpseed	Herbaceous Species	P-FORB	5		
Populus deltoides	Cottonwood	Canopy, Co-dominant	TREE	1	425000	
Salix nigra	Black willow	Canopy, Associates	TREE	3	2500000	
Sambucus canadensis	Elderberry, common elder	Shrub Species	SHRUB	1	291584	
Symphotrichum lateriflorum	Side-flowered aster	Herbaceous Species	P-FORB	4	4000000	
Ulmus americana	American elm	Canopy, Associates	TREE	2	68000	

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FOREST, SILVER MAPLE - ELM

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Ulmus rubra	Red elm, slippery elm	Canopy, Associates	TREE	2	41000	
Urtica dioica	Stinging nettle	Herbaceous Species	P-FORB	0		
Vitis riparia	Riverbank grape	Vine Species	W-VINE	1	14500	

FOREST, WHITE OAK - HICKORY

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer rubrum	Red maple	Canopy, Associate	TREE	*	22720	
Acer saccharum	Sugar maple	Sub-canopy	TREE	5	6080	
Ageratina altissima	White snakeroot	Herbaceous Layer	P-FORB	2	2400000	
Amelanchier alnifolia	Northwestern serviceberry	Shrub Layer	SHRUB	10	60051	SC
Apios americana	Ground-nut	Vine Component	H-VINE	4		
Aquilegia canadensis	Columbine	Herbaceous Layer	P-FORB	6	608000	
Arnoglossum atriplicifolium	Indian plaintain	Herbaceous Layer	P-FORB	5		
Asimina triloba	Pawpaw	Sub-canopy	TREE	6	697	SC
Carya alba	Mockernut hickory	Canopy, Associate	TREE	7	90	
Carya cordiformis	Bitternut hickory	Canopy, Dominant	TREE	5	156	
Carya ovata	Shagbark hickory	Canopy, Dominant	TREE	5	96	
Carya spp.	Hickories	Canopy, Associate	TREE			
Caulophyllum thalictroides	Blue cohosh	Herbaceous Layer	P-FORB	9	1120	
Cercis canadensis	Redbud	Sub-canopy	TREE	3	18000	
Cornus drummondii	Rough-leaved dogwood	Shrub Layer	SHRUB	6	15700	
Dicentra cucullaria	Dutchman's breeches	Herbaceous Layer	P-FORB	7		
Erythronium albidum	White dogtooth-violet	Herbaceous Layer	P-FORB	6		
Euonymus atropurpureus	Wahoo, burning bush	Shrub Layer	SHRUB	7		
Fraxinus americana*	White ash	Canopy, Associate	TREE	6	10000	
Fraxinus pennsylvanica lanceolata*	Green ash	Canopy, Associate	TREE	1	14320	
Galearis spectabilis	Showy orchis	Herbaceous Layer	P-FORB	4		
Gymnocladus dioicus	Kentucky coffee tree	Sub-canopy	TREE	5	230	
Hydrophyllum virginianum	Virginia waterleaf	Herbaceous Layer	P-FORB	3	44800	
Laportea canadensis	Wood nettle	Herbaceous Layer	P-FORB	3		
Menispermum canadense	Moonseed	Vine Component	W-VINE	5		
Ostrya virginiana	Ironwood, hop hornbeam	Sub-canopy	TREE	5	30000	
Phlox divaricata	Sweet William, blue phlox	Herbaceous Layer	P-FORB	5	200000	
Podophyllum peltatum	Mayapple	Herbaceous Layer	P-FORB	4		
Polygonatum biflorum	Solomon's seal	Herbaceous Layer	P-FORB	4	12800	
Quercus alba	White oak	Canopy, Dominant	TREE	6	128	
Quercus ellipsoidalis	Hill's oak, Northern pin oak	Canopy, Associate	TREE	4		
Quercus macrocarpa	Bur oak	Canopy, Associate	TREE	4	64	

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FOREST, WHITE OAK - HICKORY

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Quercus rubra	Northern red oak	Canopy, Dominant	TREE	6	125	
Quercus velutina	Black oak	Canopy, Dominant	TREE	4	245	
Ribes spp.	Currant	Shrub Layer	SHRUB			
Rudbeckia laciniata	Tall coneflower	Herbaceous Layer	P-FORB	4	1472000	
Sicyos angulatus	Bur-cucumber	Vine Component	H-VINE	2	4400	
Smilax tamnoides	Greenbrier	Vine Component	W-VINE	4		
Staphylea trifolia	Bladdernut	Sub-canopy	SHRUB	7	6800	
Symphoricarpos orbiculatus	Coralberry, buckbrush	Shrub Layer	SHRUB	0	139500	
Tilia americana	Basswood, American linden	Canopy, Dominant	TREE	5	4765	
Ulmus americana	American elm	Canopy, Associate	TREE	2	68000	
Urtica dioica	Stinging nettle	Herbaceous Layer	P-FORB	0		
Verbena urticifolia	White vervain	Herbaceous Layer	P-FORB	2		

FOREST, WHITE PINE DRIFTLESS BLUFF

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Abies balsamea</i>	Balsam fir	Canopy, Associates	TREE	9	59840	SC
<i>Acer rubrum</i>	Red maple	Canopy, Associates	TREE	*	22720	
<i>Acer spicatum</i>	Mountain maple	Shrub Species	TREE	10	22720	SC
<i>Amorpha canescens</i>	Lead plant	Herbaceous Species	SHRUB	8	256000	
<i>Aralia nudicaulis</i>	Wild sarsaparilla	Herbaceous Species	SHRUB	8	99000	
<i>Arisaema triphyllum</i>	Jack-in-the-pulpit	Herbaceous Species	P-FORB	4	8000	
<i>Betula papyrifera</i>	Paper birch, canoe birch	Canopy, Associates	TREE	6	1380800	
<i>Chimaphila umbellata</i>	Prince's pine	Shrub Species	SHRUB	10		T
<i>Coreopsis palmata</i>	Tickseed, prairie coreopsis	Herbaceous Species	P-FORB	7	160000	
<i>Cornus canadensis</i>	Bunchberry, dwarf cornel	Shrub Species	SHRUB	10	69430	T
<i>Corylus cornuta</i>	Beaked hazel	Shrub Species	SHRUB	10	549	
<i>Diervilla lonicera</i>	Bush honeysuckle	Shrub Species	SHRUB	10	1600000	
<i>Dodecatheon meadia</i>	Shooting star	Herbaceous Species	P-FORB	7	960000	
<i>Eurybia macrophylla</i>	Big-leaved aster	Herbaceous Species	P-FORB	10	432000	E
<i>Juniperus virginiana</i>	Red cedar	Sub-Canopy	TREE	1	43600	
<i>Linnaea borealis americana</i>	Twinflower	Shrub Species	SHRUB	10		T
<i>Maianthemum canadense</i>	Canada mayflower	Herbaceous Species	P-FORB	8		
<i>Mitchella repens</i>	Partridge berry	Shrub Species	SHRUB	10		T
<i>Ostrya virginiana</i>	Ironwood, hop hornbeam	Canopy, Associates	TREE	5	30000	
<i>Pinus strobus</i>	Eastern white pine	Canopy, Dominant	TREE	10	27040	
<i>Populus tremuloides</i>	Quaking aspen	Canopy, Associates	TREE	2	3600000	
<i>Prunus pensylvanica</i>	Pin cherry	Shrub Species	TREE	5	14200	
<i>Prunus virginiana</i>	Choke cherry	Shrub Species	SHRUB	2	4971	
<i>Quercus alba</i>	White oak	Canopy, Associates	TREE	6	128	
<i>Quercus velutina</i>	Black oak	Canopy, Associates	TREE	4	245	
<i>Sanguinaria canadensis</i>	Bloodroot	Herbaceous Species	P-FORB	7	112000	
THUJA OCCIDENTALIS	Arbor vitae, eastern white cedar	Canopy, Associates	TREE	*	345600	
<i>Tilia americana</i>	Basswood, American linden	Sub-Canopy	TREE	5	4765	
<i>Vaccinium angustifolium</i>	Low sweet blueberry	Shrub Species	SHRUB	10	1972000	T
<i>Vaccinium myrtilloides</i>	Velvet-leaf blueberry	Shrub Species	SHRUB	10		T

OPENING,NORTH-CENTRAL BUR OAK

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Amorpha canescens	Lead plant	Shrub Layer, Dominant	SHRUB	8	256000	
Andropogon gerardii	Big bluestem	Herbaceous Layer, Dominant	P-GRASS	4	160000	
Antennaria neglecta	Pussytoes	Herbaceous Layer	P-FORB	2	3360000	
Antennaria plantaginifolia	Ladies'-tobacco	Herbaceous Layer	P-FORB	2	4400000	
Calamagrostis canadensis	Bluejoint	Herbaceous Layer	P-GRASS	5	4480000	
Carex spp.	True Sedges	Herbaceous Layer	P-SEDGE			
Carya ovata	Shagbark hickory	Canopy, Associate	TREE	5	96	
Ceanothus americanus	New Jersey tea	Shrub Layer, Dominant	SHRUB	8	121600	
Cornus foemina	Gray dogwood	Shrub Layer	SHRUB	1		
Corylus americana	Hazelnut	Shrub Layer, Dominant	SHRUB	3	480	
Hesperostipa spartea	Porcupine grass	Herbaceous Layer, Dominant	P-GRASS	6	10880	
Lespedeza capitata	Round-headed bush clover	Herbaceous Layer	P-FORB	3	128000	
Quercus alba	White oak	Canopy, Dominant	TREE	6	128	
Quercus bicolor	Swamp white oak	Canopy, Associate	TREE	8	112	
Quercus macrocarpa	Bur oak	Canopy, Dominant	TREE	4	64	
Quercus stellata	Post oak	Canopy, Associate	TREE	4	380	
Quercus velutina	Black oak	Canopy, Co-dominant	TREE	4	245	
Ratibida pinnata	Gray-headed coneflower	Herbaceous Layer	P-FORB	4	672000	
Rosa spp.	Wildrose	Shrub Layer	SHRUB			
Rubus allegheniensis	Blackberry	Shrub Layer	SHRUB	2	262000	
Schizachyrium scoparium	Little bluestem	Herbaceous Layer, Dominant	P-GRASS	5	240000	
Silphium laciniatum	Compass plant	Herbaceous Layer	P-FORB	7	19200	
Sorghastrum nutans	Indian grass	Herbaceous Layer, Dominant	P-GRASS	4	192000	
Sporobolus heterolepis	Prairie dropseed	Herbaceous Layer, Dominant	P-GRASS	9	256000	
Symphoricarpos occidentalis	Wolfberry, buckbrush	Shrub Layer	SHRUB	0	75033	
Zizia aurea	Golden Alexander's	Herbaceous Layer	P-FORB	6	176000	

OPENING, NORTHERN BUR OAK

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Amelanchier spp.	Service Berries	Shrub Layer	SHRUB			
Amorpha canescens	Lead plant	Shrub Layer	SHRUB	8	256000	
Andropogon gerardii	Big bluestem	Herbaceous Layer, Dominant	P-GRASS	4	160000	
Antennaria neglecta	Pussytoes	Herbaceous Layer	P-FORB	2	3360000	
Antennaria plantaginifolia	Ladies'-tobacco	Herbaceous Layer	P-FORB	2	4400000	
Calamagrostis canadensis	Bluejoint	Herbaceous Layer	P-GRASS	5	4480000	
Carex spp.	True Sedges	Herbaceous Layer	P-SEDGE			
Cornus foemina	Gray dogwood	Shrub Layer	SHRUB	1		
Corylus americana	Hazelnut	Shrub Layer, Dominant	SHRUB	3	480	
Hesperostipa spartea	Porcupine grass	Herbaceous Layer	P-GRASS	6	10880	
Lespedeza capitata	Round-headed bush clover	Herbaceous Layer	P-FORB	3	128000	
Panicum virgatum	Switchgrass	Herbaceous Layer	A-GRASS	5	224000	
Prunus virginiana	Choke cherry	Shrub Layer	SHRUB	2	4971	
Quercus alba	White oak	Canopy, Associate	TREE	6	128	
Quercus bicolor	Swamp white oak	Canopy, Associate	TREE	8	112	
Quercus macrocarpa	Bur oak	Canopy, Dominant	TREE	4	64	
Quercus stellata	Post oak	Canopy, Associate	TREE	4	380	
Ratibida pinnata	Gray-headed coneflower	Herbaceous Layer	P-FORB	4	672000	
Rosa spp.	Wildrose	Shrub Layer	SHRUB			
Rubus allegheniensis	Blackberry	Shrub Layer	SHRUB	2	262000	
Salix humilis	Prairie willow	Shrub Layer	SHRUB	8		
Schizachyrium scoparium	Little bluestem	Herbaceous Layer	P-GRASS	5	240000	
Silphium laciniatum	Compass plant	Herbaceous Layer	P-FORB	7	19200	
Sorghastrum nutans	Indian grass	Herbaceous Layer, Dominant	P-GRASS	4	192000	
Sporobolus heterolepis	Prairie dropseed	Herbaceous Layer, Dominant	P-GRASS	9	256000	
Symphoricarpos occidentalis	Wolfberry, buckbrush	Shrub Layer	SHRUB	0	75033	
Zizia aurea	Golden Alexander's	Herbaceous Layer	P-FORB	6	176000	

SHRUB MEADOW, DOGWOOD - MIXED WILLOW

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer spp.	Maple	Canopy, Associate	TREE			
ALNUS INCANA	Speckled alder	Shrub Layer	SHRUB	7	1084250	
Asclepias incarnata	Swamp milkweed	Herbaceous Layer	P-FORB	4	76800	
Asclepias purpurascens	Purple milkweed	Herbaceous Layer	P-FORB	7	72000	
Calamagrostis canadensis	Bluejoint	Herbaceous Layer	P-GRASS	5	4480000	
Calamagrostis stricta	Northern reed grass	Herbaceous Layer	P-GRASS	7		
Carex aquatilis	Water sedge	Herbaceous Layer	P-SEDGE	7		
Carex atherodes	Hairy-leaved lake sedge	Herbaceous Layer	P-SEDGE	8	464000	
Carex haydenii	Long-scaled tussock sedge	Herbaceous Layer	P-SEDGE	5		
Carex lacustris	Common lake sedge	Herbaceous Layer	P-SEDGE	7	512000	
Carex pellita	Wooly sedge	Herbaceous Layer	P-SEDGE	4	448000	
Carex rostrata	Northwest Territory sedge	Herbaceous Layer	P-SEDGE	8	160000	
Carex spp.	True Sedges	Herbaceous Layer	P-SEDGE			
Carex stricta	Common tussock sedge	Herbaceous Layer	P-SEDGE	6	848000	
Chelone glabra	White turtlehead	Herbaceous Layer	P-FORB	8	1472000	
Clematis virginiana	Virgin's bower	Vine Component	W-VINE	2	256000	
Coreopsis tripteris	Tall tickseed	Herbaceous Layer	P-FORB	4	224000	
Cornus amomum	Silky dogwood	Shrub Layer	SHRUB	6	12208	
Cornus racemosa	Gray dogwood	Shrub Layer	SHRUB	1		
Cornus sericea	Red-osier dogwood	Shrub Layer, Dominant	SHRUB	7	18400	
Eupatorium maculatum	Spotted Joe-pye-weed	Herbaceous Layer	P-FORB	5	1520000	
Fraxinus pennsylvanica lanceolata*	Green ash	Canopy, Associate	TREE	1	14320	
Gentianella quinquefolia	Stiff gentian	Herbaceous Layer	A-FORB	8	2880000	
Heliopsis helianthoides	Ox-eye	Herbaceous Layer	P-FORB	4	100800	
Mentha arvensis	Wild mint	Herbaceous Layer	P-FORB	4	4800000	
Parthenocissus vitacea	Woodbine	Vine Component	W-VINE	1		
Poa palustris	Foul meadow grass	Herbaceous Layer	P-GRASS	5	2080000	
Salix bebbiana	Beaked willow	Shrub Layer, Dominant	SHRUB	7	2500000	
Salix discolor	Pussy willow	Shrub Layer, Dominant	SHRUB	3		
Salix interior	Sandbar willow	Shrub Layer	SHRUB	0		
Salix petiolaris	Meadow willow	Shrub Layer, Dominant	SHRUB	8		
Sambucus canadensis	Elderberry, common elder	Shrub Layer	SHRUB	1	291584	

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SHRUB MEADOW, DOGWOOD - MIXED WILLOW

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Spiraea alba	Meadowsweet	Shrub Layer, Dominant	SHRUB	5	1000000	
Symphyotrichum lanceolatum	Panicled aster	Herbaceous Layer	P-FORB	4	700000	
Symphyotrichum lateriflorum	Side-flowered aster	Herbaceous Layer	P-FORB	4	4000000	
Symphyotrichum novae-angliae	New England aster	Herbaceous Layer	P-FORB	3	1056000	
Symphyotrichum puniceum	Swamp aster	Herbaceous Layer	P-FORB	5	1280000	
Toxicodendron radicans	Poison ivy	Vine Component	W-VINE	0		
Typha latifolia	Common cattail	Herbaceous Layer	P-FORB	1		
Ulmus americana	American elm	Canopy, Associate	TREE	2	68000	

SHRUBLAND, SANDBAR WILLOW

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Achillea millefolium	Western yarrow	Herbaceous Layer	P-FORB	0	2852000	
Agrostis scabra	Hairgrass	Herbaceous Layer	P-GRASS	4	5000000	
Ambrosia artemisiifolia	Common ragweed	Herbaceous Layer	A-FORB	0		
Amorpha fruticosa	Indigo bush, false indigo	Herbaceous Layer, Dominant	SHRUB	5	59200	
Carex emoryi	Riverbank sedge	Herbaceous Layer	P-SEDGE	6		
Carex frankii	Bristly cattail sedge	Herbaceous Layer	P-SEDGE	8	272000	
Carex pellita	Wooly sedge	Herbaceous Layer	P-SEDGE	4	448000	
Cenchrus longispinus	Sandbur	Herbaceous Layer	A-GRASS	0		
Cephalanthus occidentalis	Buttonbush	Shrub Layer	SHRUB	6		
Cornus sericea	Red-osier dogwood	Shrub Layer	SHRUB	7	18400	
Eleocharis palustris	Marsh spikerush	Herbaceous Layer	P-SEDGE	6	816000	
Elymus riparius	Riverbank wild rye	Herbaceous Layer	P-GRASS	5	46400	
Epilobium ciliatum	Northern willow herb	Herbaceous Layer	P-FORB	3	960000	
Equisetum arvense	Common horsetail	Herbaceous Layer	FERN	0		
Equisetum laevigatum	Smooth scouring-rush	Herbaceous Layer	FERN	6		
Eupatorium altissimum	Tall thoroughwort	Herbaceous Layer	P-FORB	2	800000	
Eupatorium maculatum	Spotted Joe-pye-weed	Herbaceous Layer	P-FORB	5	1520000	
Eupatorium perfoliatum	Boneset	Herbaceous Layer	P-FORB	6	2560000	
Eupatorium serotinum	Late boneset	Herbaceous Layer	P-FORB	2		
Eupatorium spp.	Thoroughwort	Herbaceous Layer				
Glycyrrhiza lepidota	Wild licorice	Herbaceous Layer	P-FORB	4	62400	
Juncus arcticus littoralis	Bog rush	Herbaceous Layer	P-FORB	6	3000000	
Lycopus americanus	Water horehound	Herbaceous Layer	P-FORB	4	2080000	
Mentha arvensis	Wild mint	Herbaceous Layer	P-FORB	4	4800000	
Panicum virgatum	Switchgrass	Herbaceous Layer	A-GRASS	5	224000	
Parthenocissus quinquefolia	Virginia creeper	Vine Component	W-VINE	2	112000	
Pascopyrum smithii	Western wheatgrass	Herbaceous Layer	P-GRASS	2	115008	
Polygonum lapathifolium	Curttop lady's thumb	Herbaceous Layer	A-FORB	0		
Polygonum spp.	Knotweed	Herbaceous Layer				
POPULUS BALSAMIFERA	Balsam poplar	Sub-canopy	TREE	*		
Populus deltoides	Cottonwood	Sub-canopy	TREE	1	425000	
Rumex spp.	Dock	Herbaceous Layer				

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SHRUBLAND, SANDBAR WILLOW

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Salix amygdaloides	Peach-leaved willow	Shrub Layer	TREE	1	2600000	
Salix interior	Sandbar willow	Shrub Layer, Dominant	SHRUB	0		
Salix lucida	Shining willow	Shrub Layer	SHRUB	5		T
Schoenoplectus americanus/pungens	Threesquare	Herbaceous Layer	P-SEDGE	7	192000	
Solidago spp.	Goldenrod	Herbaceous Layer	P-FORB			
Spartina pectinata	Slough grass, cord grass	Herbaceous Layer, Dominant	P-GRASS	4	105600	
Symphotrichum lanceolatum	Panicled aster	Herbaceous Layer	P-FORB	4	700000	
Triglochin maritima	Common arrow-grass	Herbaceous Layer	P-FORB	10		T
Urtica dioica	Stinging nettle	Herbaceous Layer	P-FORB	0		

SHRUBLAND, WESTERN SNOWBERRY

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer negundo	Box elder	Canopy, Associate	TREE	0	11360	
Achillea millefolium	Western yarrow	Herbaceous Layer	P-FORB	0	2852000	
Amelanchier alnifolia	Northwestern serviceberry	Shrub Layer	SHRUB	10	60051	SC
Artemisia ludoviciana	White sage	Herbaceous Layer	P-FORB	2	4000000	
Calamagrostis canadensis	Bluejoint	Herbaceous Layer	P-GRASS	5	4480000	
Calamovilfa longifolia	Prairie sandreed	Herbaceous Layer	P-GRASS	7	274000	
Fraxinus americana*	White ash	Canopy, Associate	TREE	6	10000	
Fraxinus pennsylvanica lanceolata*	Green ash	Canopy, Associate	TREE	1	14320	
Galium boreale	Northern bedstraw	Herbaceous Layer	P-FORB	7	1120000	
Glycyrrhiza lepidota	Wild licorice	Herbaceous Layer	P-FORB	4	62400	
Parthenocissus vitacea	Woodbine	Vine Component	W-VINE	1		
Pascopyrum smithii	Western wheatgrass	Herbaceous Layer	P-GRASS	2	115008	
Populus deltoides	Cottonwood	Canopy, Associate	TREE	1	425000	
Prunus virginiana	Choke cherry	Shrub Layer	SHRUB	2	4971	
Rhus aromatica	Fragrant sumac	Shrub Layer	SHRUB	6	25790	
Rosa acicularis	Prickly rose	Shrub Layer	SHRUB	10	32000	E
Rosa spp.	Wildrose	Shrub Layer	SHRUB			
Rosa woodsii	Western wildrose	Shrub Layer	SHRUB	6	50967	
Rubus idaeus	American Red Raspberry	Shrub Layer	SHRUB	3	384000	
Solidago spp.	Goldenrod	Herbaceous Layer	P-FORB			
Symphoricarpos occidentalis	Wolfberry, buckbrush	Shrub Layer, Dominant	SHRUB	0	75033	
Toxicodendron rydbergii	Rydberg's poison ivy	Shrub Layer	SHRUB	0		

WOODLAND, CENTRAL MIDWEST WHITE OAK - MIXED OAK Species Lists

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer rubrum	Red maple	Canopy, Associate	TREE	*	22720	
Amelanchier arborea	Serviceberry	Shrub Layer	TREE	8	79840	
Amphicarpaea bracteata	Hog peanut	Vine Component	H-VINE	4		
Andropogon gerardii	Big bluestem	Herbaceous Layer, Dominant	P-GRASS	4	160000	
Apios americana	Ground-nut	Vine Component	H-VINE	4		
Asclepias purpurascens	Purple milkweed	Herbaceous Layer	P-FORB	7	72000	
Asclepias tuberosa	Butterfly weed	Herbaceous Layer	P-FORB	6	68800	
Bromus kalmii	Prairie brome	Herbaceous Layer, Dominant	P-GRASS	10	128000	
Calamagrostis canadensis	Bluejoint	Herbaceous Layer, Dominant	P-GRASS	5	4480000	
Carex pensylvanica	Pennsylvania oak sedge	Herbaceous Layer, Dominant	P-SEDGE	6	480000	
Carya alba	Mockernut hickory	Canopy, Dominant	TREE	7	90	
Carya ovata	Shagbark hickory	Canopy, Dominant	TREE	5	96	
Ceanothus americanus	New Jersey tea	Shrub Layer	SHRUB	8	121600	
Chasmanthium latifolium	Wild oats	Herbaceous Layer, Dominant	P-GRASS	6	64000	SC
Cornus foemina	Gray dogwood	Shrub Layer	SHRUB	1		
Corylus americana	Hazelnut	Shrub Layer	SHRUB	3	480	
Crataegus spp.	Hawthorn	Shrub Layer	SHRUB			
Desmodium spp.	Ticktrefoil	Herbaceous Layer				
Dichanthelium oligosanthes	Heller's witchgrass	Herbaceous Layer, Dominant	P-GRASS	7		
Echinacea purpurea	Purple coneflower	Herbaceous Layer	P-FORB	9	105600	SC
Elymus hystrix	Bottlebrush grass	Herbaceous Layer, Dominant	P-GRASS	5	121600	
Elymus villosus	Slender wild rye	Herbaceous Layer, Dominant	P-GRASS	5	88000	
Festuca subverticillata	Nodding fescue	Herbaceous Layer, Dominant	P-GRASS	7	320000	
Galium boreale	Northern bedstraw	Herbaceous Layer	P-FORB	7	1120000	
Helianthus hirsutus	Bristly sunflower	Herbaceous Layer	P-FORB	5		
Helianthus spp.	Sunflower	Herbaceous Layer				
Helianthus strumosus	Pale-leaved sunflower	Herbaceous Layer	P-FORB	5		
Lespedeza capitata	Round-headed bush clover	Herbaceous Layer	P-FORB	3	128000	
Lespedeza violacea	Violet bush clover	Herbaceous Layer	P-FORB	6		
Lespedeza virginica	Slender bush clover	Herbaceous Layer	P-FORB	5	160000	
Lupinus perennis	Wild lupine	Herbaceous Layer	P-FORB	10	17600	T
Malus ioensis	Wild crab	Shrub Layer	TREE	4	30000	

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WOODLAND, CENTRAL MIDWEST WHITE OAK - MIXED OAK Species Lists

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Ostrya virginiana</i>	Ironwood, hop hornbeam	Sub-canopy	TREE	5	30000	
<i>Penstemon digitalis</i>	Foxglove penstemon	Herbaceous Layer	P-FORB	4	2080000	
<i>Pteridium aquilinum</i>	Bracken fern	Herbaceous Layer	FERN	4		
<i>Quercus alba</i>	White oak	Canopy, Dominant	TREE	6	128	
<i>Quercus ellipsoidalis</i>	Hill's oak, Northern pin oak	Canopy, Associate	TREE	4		
<i>Quercus macrocarpa</i>	Bur oak	Canopy, Associate	TREE	4	64	
<i>Quercus palustris</i>	Pin oak	Canopy, Associate	TREE	8	410	
<i>Quercus rubra</i>	Northern red oak	Canopy, Dominant	TREE	6	125	
<i>Quercus velutina</i>	Black oak	Canopy, Dominant	TREE	4	245	
<i>Rhus aromatica</i>	Fragrant sumac	Shrub Layer	SHRUB	6	14400	
<i>Sanicula canadensis</i>	Black snakeroot	Herbaceous Layer	B-FORB	6		
<i>Sanicula odorata</i>	Common snakeroot	Herbaceous Layer	P-FORB	5		
<i>Schizachyrium scoparium</i>	Little bluestem	Herbaceous Layer, Dominant	P-GRASS	5	240000	
<i>Solidago ulmifolia</i>	Elm-leaved goldenrod	Herbaceous Layer	P-FORB	6	2080000	
<i>Sorghastrum nutans</i>	Indian grass	Herbaceous Layer, Dominant	P-GRASS	4	192000	
<i>Symphotrichum drummondii</i>	Drummond's aster	Herbaceous Layer	P-FORB	4	1280000	
<i>Veronicastrum virginicum</i>	Culver's root	Herbaceous Layer	P-FORB	5	12800000	
<i>Viburnum prunifolium</i>	Black haw	Shrub Layer	SHRUB	6	4800	SC
<i>Viburnum rafinesquianum</i>	Downy arrowwood	Shrub Layer	SHRUB	8	12900	

WOODLAND, CENTRAL TALLGRASS POST OAK

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Andropogon gerardii	Big bluestem	Herbaceous Layer	P-GRASS	4	160000	
Carya alba	Mockernut hickory	Canopy, Associate	TREE	7	90	
Carya ovata	Shagbark hickory	Canopy, Associate	TREE	5	96	
Danthonia spicata	Poverty oat grass	Herbaceous Layer, Dominant	P-GRASS	5	400000	
Diospyros virginiana	Persimmon	Sub-canopy	TREE	1	26880	
Gaylussacia baccata	Black huckleberry	Shrub Layer	SHRUB	8	354000	T
Prunus serotina	Wild black cherry	Sub-canopy	TREE	3	4800	
Quercus alba	White oak	Canopy, Associate	TREE	6	128	
Quercus stellata	Post oak	Canopy, Dominant	TREE	4	380	
Quercus velutina	Black oak	Canopy, Dominant	TREE	4	245	
Rhus aromatica	Fragrant sumac	Shrub Layer	SHRUB	6	25790	
SASSAFRAS ALBIDUM	Sassafras	Sub-canopy	TREE	*	5000	SC
Schizachyrium scoparium	Little bluestem	Herbaceous Layer, Dominant	P-GRASS	5	240000	
Sorghastrum nutans	Indian grass	Herbaceous Layer	P-GRASS	4	192000	
Symphoricarpos orbiculatus	Coralberry, buckbrush	Shrub Layer	SHRUB	0	139500	
Viburnum prunifolium	Black haw	Shrub Layer	SHRUB	6	4800	SC
Viburnum rafinesquianum	Downy arrowwood	Shrub Layer	SHRUB	8	12900	

WOODLAND, CHINQUAPIN OAK BLUFF

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Andropogon gerardii	Big bluestem	Herbaceous Layer	P-GRASS	4	160000	
Anemone cylindrica	Windflower, thimbleweed	Herbaceous Layer	P-FORB	7	416000	
Asclepias verticillata	Whorled milkweed	Herbaceous Layer	P-FORB	0	176000	
Bouteloua curtipendula	Side-oats grama	Herbaceous Layer	P-GRASS	6	96000	
Carex meadii	Mead's stiff sedge	Herbaceous Layer	P-SEDGE	9		
Carya ovata	Shagbark hickory	Canopy, Associate	TREE	5	96	
Cercis canadensis	Redbud	Canopy, Associate	TREE	3	18000	
Cornus racemosa	Gray dogwood	Shrub Layer	SHRUB			
Desmodium spp.	Ticktrefoil	Herbaceous Layer				
Eryngium yuccifolium	Rattlesnake master	Herbaceous Layer	P-FORB	8	120000	
Fraxinus americana*	White ash	Canopy, Associate	TREE	6	10000	
Helianthus divicatus	Woodland sunflower	Herbaceous Layer	P-FORB	5	76800	
Juniperus virginiana	Red cedar	Canopy, Associate	TREE	1	43600	
Ostrya virginiana	Ironwood, hop hornbeam	Sub-canopy	TREE	5	30000	
Quercus alba	White oak	Canopy, Associate	TREE	6	128	
Quercus macrocarpa	Bur oak	Canopy, Associate	TREE	4	64	
Quercus muehlenbergii	Chinquapin oak	Canopy, Dominant	TREE	7	400	
Quercus velutina	Black oak	Canopy, Associate	TREE	4	245	
Schizachyrium scoparium	Little bluestem	Herbaceous Layer	P-GRASS	5	240000	
Sorghastrum nutans	Indian grass	Herbaceous Layer	P-GRASS	4	192000	

WOODLAND, COTTONWOOD FLOODPLAIN

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer negundo	Box elder	Canopy, Co-dominant	TREE	0	11360	
Andropogon gerardii	Big bluestem	Herbaceous Layer	P-GRASS	4	160000	
Carex spp.	True Sedges	Herbaceous Layer	P-SEDGE			
Carya illinoensis	Pecan	Canopy, Associate	TREE	7	96	
Elymus canadensis	Canada wild rye	Herbaceous Layer	P-GRASS	5	83200	
Elymus riparius	Riverbank wild rye	Herbaceous Layer	P-GRASS	5	46400	
Elymus villosus	Slender wild rye	Herbaceous Layer	P-GRASS	5	88000	
Elymus virginicus	Virginia wild rye	Herbaceous Layer	P-GRASS	3	67200	
Equisetum spp.	Horsetail	Herbaceous Layer				
Fraxinus pennsylvanica lanceolata*	Green ash	Canopy, Co-dominant	TREE	1	14320	
Fraxinus pennsylvanica*	Red ash	Canopy, Associate	TREE	3	14320	
Helianthus grosseserratus	Saw-tooth sunflower	Herbaceous Layer	P-FORB	4	240000	
Hesperostipa spartea	Porcupine grass	Herbaceous Layer	P-GRASS	6	10880	
Juncus spp.	True Rush	Herbaceous Layer				
Liatris pycnostachya	Prairie blazing star	Herbaceous Layer	P-FORB	6	176000	
Panicum virgatum	Switchgrass	Herbaceous Layer	A-GRASS	5	224000	
Pascopyrum smithii	Western wheatgrass	Herbaceous Layer	P-GRASS	2	115008	
Phlox pilosa	Prairie phlox	Herbaceous Layer	P-FORB	7	304000	
Populus deltoides	Cottonwood	Canopy, Dominant	TREE	1	425000	
Prunus virginiana	Choke cherry	Shrub Layer	SHRUB	2	4971	
Quercus macrocarpa	Bur oak	Canopy, Associate	TREE	4	64	
Quercus palustris	Pin oak	Canopy, Associate	TREE	8	410	
Salix amygdaloides	Peach-leaved willow	Shrub Layer, Dominant	TREE	1	2600000	
Salix nigra	Black willow	Canopy, Co-dominant	TREE	3	2500000	
Salix spp.	Willow	Shrub Layer	SHRUB			
Silphium integrifolium	Rosinweed	Herbaceous Layer	P-FORB	4	480000	
Solidago canadensis	Tall goldenrod	Herbaceous Layer	P-FORB	0	4600000	
Spartina pectinata	Slough grass, cord grass	Herbaceous Layer	P-GRASS	4	105600	
Symphoricarpos occidentalis	Wolfberry, buckbrush	Shrub Layer	SHRUB	0	75033	
Thalictrum dasycarpum	Purple meadow-rue	Herbaceous Layer	P-FORB	4	176000	
Ulmus americana	American elm	Canopy, Co-dominant	TREE	2	68000	
Viola pedata	Bird's-foot violet	Herbaceous Layer	P-FORB	8	416000	
Zizia aurea	Golden Alexander's	Herbaceous Layer	P-FORB	6	176000	

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WOODLAND, NORTH-CENTRAL DRY-MESIC OAK

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Andropogon gerardii	Big bluestem	Herbaceous Layer	P-GRASS	4	160000	
Carex pensylvanica	Pennsylvania oak sedge	Herbaceous Layer	P-SEDGE	6	480000	
Carex rosea	Curly-styled wood sedge	Herbaceous Layer	P-SEDGE	7	848000	
Carya spp.	Hickories	Canopy, Co-dominant	TREE			
Ceanothus herbaceus	Redroot	Shrub Layer	SHRUB	8	160000	
Cornus foemina	Gray dogwood	Shrub Layer	SHRUB	1		
Corylus americana	Hazelnut	Shrub Layer	SHRUB	3	480	
Desmodium glutinosum	Pointed tick-trefoil	Herbaceous Layer	P-FORB	5	13440	
Elymus hystrix	Bottlebrush grass	Herbaceous Layer	P-GRASS	5	121600	
Elymus villosus	Slender wild rye	Herbaceous Layer	P-GRASS	5	88000	
Elymus virginicus	Virginia wild rye	Herbaceous Layer	P-GRASS	3	67200	
Euonymus atropurpureus	Wahoo, burning bush	Shrub Layer	SHRUB	7		
Geranium maculatum	Wild geranium	Herbaceous Layer	P-FORB	6	80000	
Laportea canadensis	Wood nettle	Herbaceous Layer	P-FORB	3		
Populus spp.	Poplar	Canopy, Co-dominant	TREE			
Prunus spp.	Plum	Shrub Layer	SHRUB			
Quercus alba	White oak	Canopy, Dominant	TREE	6	128	
Quercus bicolor	Swamp white oak	Canopy, Co-dominant	TREE	8	112	
Quercus ellipsoidalis	Hill's oak, Northern pin oak	Canopy, Co-dominant	TREE	4		
Quercus macrocarpa	Bur oak	Canopy, Dominant	TREE	4	64	
Quercus muehlenbergii	Chinquapin oak	Canopy, Associate	TREE	7	400	
Quercus rubra	Northern red oak	Canopy, Co-dominant	TREE	6	125	
Quercus velutina	Black oak	Canopy, Co-dominant	TREE	4	245	
SASSAFRAS ALBIDUM	Sassafras	Canopy, Associate	TREE	*	5000	SC
Sorghastrum nutans	Indian grass	Herbaceous Layer	P-GRASS	4	192000	

WOODLAND, SWAMP WHITE OAK

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Andropogon gerardii	Big bluestem	Herbaceous Layer	P-GRASS	4	160000	
Carex pensylvanica	Pennsylvania oak sedge	Herbaceous Layer	P-SEDGE	6	480000	
Ceanothus herbaceus	Redroot	Shrub Layer	SHRUB	8	160000	
Celtis occidentalis	Hackberry	Canopy, Associate	TREE	2	96000	
Cornus foemina	Gray dogwood	Shrub Layer	SHRUB	1		
Corylus americana	Hazelnut	Shrub Layer	SHRUB	3	480	
Elymus virginicus	Virginia wild rye	Herbaceous Layer	P-GRASS	3	67200	
Laportea canadensis	Wood nettle	Herbaceous Layer	P-FORB	3		
Platanus occidentalis	Sycamore	Canopy, Associate	TREE	5	192000	
Prunus spp.	Plum	Shrub Layer	SHRUB			
Quercus alba	White oak	Canopy, Associate	TREE	6	128	
Quercus bicolor	Swamp white oak	Canopy, Dominant	TREE	8	112	
Quercus macrocarpa	Bur oak	Canopy, Co-dominant	TREE	4	64	
Quercus rubra	Northern red oak	Canopy, Associate	TREE	6	125	
Quercus stellata	Post oak	Canopy, Associate	TREE	4	380	
Sorghastrum nutans	Indian grass	Herbaceous Layer	P-GRASS	4	192000	
Ulmus americana	American elm	Canopy, Associate	TREE	2	68000	

SWAMP, NORTHERN BUTTONBUSH

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer rubrum	Red maple	Canopy, Associate	TREE	*	22720	
Acer saccharinum	Silver maple	Canopy, Associate	TREE	1	1440	
Bidens frondosa	Beggar-ticks	Herbaceous Layer	A-FORB	3	80000	
Bidens tripartita	Swamp tickseed	Herbaceous Layer	A-FORB	3	130000	
Boehmeria cylindrica	Bog hemp	Herbaceous Layer	P-FORB	5	325000	
Carex lacustris	Common lake sedge	Herbaceous Layer	P-SEDGE	7	512000	
Carex spp.	True Sedges	Herbaceous Layer, Dominant	P-SEDGE			
Cephalanthus occidentalis	Buttonbush	Shrub Layer, Dominant	SHRUB	6		
Cornus sericea	Red-osier dogwood	Shrub Layer	SHRUB	7	18400	
Cornus spp.	Dogwood	Shrub Layer	SHRUB			
Decodon verticillatus	Swamp loosestrife	Shrub Layer	SHRUB	10		E
Fraxinus nigra*	Black ash	Canopy, Associate	TREE	9	11360	
Fraxinus pennsylvanica lanceolata*	Green ash	Canopy, Associate	TREE	1	14320	
Fraxinus pennsylvanica*	Red ash	Canopy, Associate	TREE	3	14320	
Glyceria spp.	Mannagrass	Herbaceous Layer	P-GRASS			
Glyceria striata	Fowl manna grass	Herbaceous Layer	P-GRASS	5	2560000	
Hibiscus laevis	Halberd-leaved rose mallow	Shrub Layer	P-FORB	6	44800	
Ilex verticillata	Winterberry	Shrub Layer	SHRUB	6	92000	E
Leersia oryzoides	Rice cut-grass	Herbaceous Layer	P-GRASS	2	544000	
Leersia spp.	Cutgrass	Herbaceous Layer	P-GRASS			
Lemna minor	Duckweed	Floating-Leaved	A-FORB	3		
Lemna spp.	Duckweed	Herbaceous Layer				
Nuphar lutea	Yellow water lily	Floating-Leaved	P-FORB	4		
Polygonum spp.	Knotweed	Herbaceous Layer				
Quercus palustris	Pin oak	Canopy, Associate	TREE	8	410	
Rosa palustris	Swamp rose	Shrub Layer	SHRUB	7	25600	SC
Salix nigra	Black willow	Canopy, Associate	TREE	3	2500000	
Salix spp.	Willow	Shrub Layer	SHRUB			
Scutellaria lateriflora	Mad-dog skullcap	Herbaceous Layer	P-FORB	6	2720000	
Sium suave	Water parsnip	Herbaceous Layer	P-FORB	8		
Ulmus americana	American elm	Canopy, Associate	TREE	2	68000	
Viburnum dentatum	Southern arrowwood	Shrub Layer	SHRUB		17900	

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SHRUBLAND, WILLOW TEMPORARILY FLOODED

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Achillea millefolium	Western yarrow	Herbaceous Layer	P-FORB	0	2852000	
Agrostis scabra	Hairgrass	Herbaceous Layer	P-GRASS	4	5000000	
Ambrosia artemisiifolia	Common ragweed	Herbaceous Layer	A-FORB	0		
Amorpha fruticosa	Indigo bush, false indigo	Shrub Layer, Dominant	SHRUB	5	59200	
Argentina anserina	Silverweed	Herbaceous Layer, Dominant	P-FORB	10	1200000	T
Carex emoryi	Riverbank sedge	Herbaceous Layer	P-SEDGE	6		
Carex pellita	Wooly sedge	Herbaceous Layer	P-SEDGE	4	448000	
Carex spp.	True Sedges	Herbaceous Layer	P-SEDGE			
Cenchrus longispinus	Sandbur	Herbaceous Layer	A-GRASS	0		
Cornus sericea	Red-osier dogwood	Shrub Layer	SHRUB	7	18400	
Eleocharis palustris	Marsh spikerush	Herbaceous Layer, Dominant	P-SEDGE	6	816000	
Eleocharis spp.	Spikerush	Herbaceous Layer				
Epilobium ciliatum	Northern willow herb	Herbaceous Layer, Dominant	P-FORB	3	960000	
Equisetum arvense	Common horsetail	Herbaceous Layer	FERN	0		
Equisetum laevigatum	Smooth scouring-rush	Herbaceous Layer, Dominant	FERN	6		
Equisetum spp.	Horsetail	Herbaceous Layer				
Juncus arcticus littoralis	Bog rush	Herbaceous Layer	P-FORB	6	3000000	
Juncus bufonius	Toad rush	Herbaceous Layer, Dominant	A-FORB	5		SC
Juncus spp.	True Rush	Herbaceous Layer				
Lycopus americanus	Water horehound	Herbaceous Layer	P-FORB	4	2080000	
Mentha arvensis	Wild mint	Herbaceous Layer, Dominant	P-FORB	4	4800000	
Polygonum lapathifolium	Curttop lady's thumb	Herbaceous Layer, Dominant	A-FORB	0		
Polygonum spp.	Knotweed	Herbaceous Layer				
POPULUS BALSAMIFERA	Balsam poplar	Shrub Layer	TREE	*		
Populus deltoides	Cottonwood	Shrub Layer	TREE	1	425000	
Rumex spp.	Dock	Herbaceous Layer				
Salix amygdaloides	Peach-leaved willow	Shrub Layer	TREE	1	2600000	
Salix interior	Sandbar willow	Shrub Layer, Dominant	SHRUB	0		
Schoenoplectus americanus/pungens	Threesquare	Herbaceous Layer, Dominant	P-SEDGE	7	192000	
Schoenoplectus fluviatilis	River bulrush	Herbaceous Layer	P-SEDGE	5	68800	
Schoenoplectus tabernaemontani	Soft-stemmed bulrush	Herbaceous Layer	P-SEDGE	3	496000	
Schoenoplectus torreyi	Torrey's bulrush	Herbaceous Layer	P-SEDGE	10		
Scirpus atrovirens	Dark green bulrush	Herbaceous Layer	P-SEDGE	1	7360000	

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SHRUBLAND, WILLOW TEMPORARILY FLOODED

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Scirpus cyperinus	Woolly bulrush	Herbaceous Layer	P-SEDGE	4	27200000	
Scirpus or Schoenoplectus spp.	Bulrush	Herbaceous Layer	P-SEDGE			
Scirpus pallidus	Pale bulrush	Herbaceous Layer	P-SEDGE	10		
Solidago spp.	Goldenrod	Herbaceous Layer				
Spartina pectinata	Slough grass, cord grass	Herbaceous Layer, Dominant	P-GRASS	4	105600	
Symphotrichum lanceolatum	Panicled aster	Herbaceous Layer	P-FORB	4	700000	
Triglochin maritima	Common arrow-grass	Herbaceous Layer	P-FORB	10		T
Typha angustifolia	Narrow-leaved cattail	Herbaceous Layer	P-FORB	1		
Typha latifolia	Common cattail	Herbaceous Layer	P-FORB	1		

FEN, BOG BIRCH - WILLOW PRAIRIE

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Betula pumila	Swamp birch	Shrub Layer, Dominant	SHRUB	9	480000	T
Calamagrostis canadensis	Bluejoint	Herbaceous Layer	P-GRASS	5	4480000	
Calamagrostis stricta	Northern reed grass	Herbaceous Layer	P-GRASS	7		
Carex aquatilis	Water sedge	Herbaceous Layer	P-SEDGE	7		
Carex interior	Prairie star sedge	Herbaceous Layer	P-SEDGE	7	624000	
Carex lasiocarpa	Woollyfruit Sedge	Herbaceous Layer	P-SEDGE	10	224000	
Carex oligocarpa	Few-fruited gray sedge	Herbaceous Layer	P-SEDGE	6		
Carex pellita	Wooly sedge	Herbaceous Layer	P-SEDGE	4	448000	
Carex spp.	True Sedges	Herbaceous Layer	P-SEDGE			
Dasiphora fruticosa floribunda	Shrubby cinquefoil	Shrub Layer, Dominant	SHRUB	10		
Doellingeria umbellata	Flat-topped aster, white aster	Herbaceous Layer	P-FORB	6	1072000	SC
Eleocharis spp.	Spikerush	Herbaceous Layer				
Eriophorum angustifolium	Tall cotton-grass	Herbaceous Layer	P-SEDGE	8	160000	SC
Eriophorum spp.	Cottongrass	Herbaceous Layer				SC or T
Euthamia graminifolia	Grass-leaved goldenrod	Herbaceous Layer	P-FORB	5	5600000	
Lobelia kalmii	Kalm's lobelia	Herbaceous Layer	P-FORB	10		SC
Lycopus uniflorus	Northern bugleweed	Herbaceous Layer	P-FORB	7		
Menyanthes trifoliata	Buckbean	Herbaceous Layer	P-FORB	10	65000	
Salix discolor	Pussy willow	Shrub Layer	SHRUB	3		
Salix petiolaris	Meadow willow	Shrub Layer	SHRUB	8		
Salix spp.	Willow	Shrub Layer, Dominant	SHRUB			
Sphagnum spp.	Sphagnum moss	Herbaceous Layer				
Thelypteris palustris	Marsh fern	Herbaceous Layer	FERN	6		
Triadenum fraseri	Marsh St. John's wort	Herbaceous Layer	P-FORB	7	3680000	

SHRUBLAND, SPECKLED ALDER SWAMP

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer rubrum	Red maple	Canopy, Associate	TREE	*	22720	
ALNUS INCANA	Speckled alder	Shrub Layer, Dominant	SHRUB	7	1084250	
Calamagrostis canadensis	Bluejoint	Herbaceous Layer	P-GRASS	5	4480000	
Caltha palustris	Marsh marigold	Herbaceous Layer	P-FORB	8	416000	
Carex lacustris	Common lake sedge	Herbaceous Layer	P-SEDGE	7	512000	
Carex prairea	Fen panicled sedge	Herbaceous Layer	P-SEDGE	10	1344000	
Cornus sericea	Red-osier dogwood	Shrub Layer	SHRUB	7	18400	
Doellingeria umbellata	Flat-topped aster, white aster	Herbaceous Layer	P-FORB	6	1072000	SC
Eupatorium maculatum	Spotted Joe-pye-weed	Herbaceous Layer	P-FORB	5	1520000	
Fraxinus nigra*	Black ash	Canopy, Associate	TREE	9	11360	
Impatiens capensis	Spotted touch-me-not	Herbaceous Layer	A-FORB	3	64000	
Lycopus uniflorus	Northern bugleweed	Herbaceous Layer	P-FORB	7		
Onoclea sensibilis	Sensitive fern	Herbaceous Layer	FERN	6		
Osmunda cinnamomea	Cinnamon fern	Herbaceous Layer	FERN	9		E
Rubus idaeus	American Red Raspberry	Shrub Layer	SHRUB	3	384000	
Rubus pubescens	Dwarf raspberry	Shrub Layer	P-FORB	8		
Salix spp.	Willow	Shrub Layer	SHRUB			
Scirpus atrovirens	Dark green bulrush	Herbaceous Layer	P-SEDGE	1	7360000	
Sphagnum spp.	Sphagnum moss	Herbaceous Layer				
Spiraea alba	Meadowsweet	Shrub Layer	SHRUB	5	1000000	
Symphotrichum lanceolatum	Panicled aster	Herbaceous Layer	P-FORB	4	700000	
Symphotrichum puniceum	Swamp aster	Herbaceous Layer	P-FORB	5	1280000	
Symplocarpus foetidus	Skunk cabbage	Herbaceous Layer	P-FORB	9	65000	
Thelypteris palustris	Marsh fern	Herbaceous Layer	FERN	6		
THUJA OCCIDENTALIS	Arbor vitae, eastern white cedar	Canopy, Associate	TREE	*	345600	
Typha angustifolia	Narrow-leaved cattail	Herbaceous Layer	P-FORB	1		
Typha latifolia	Common cattail	Herbaceous Layer	P-FORB	1		
Viburnum spp.	Viburnum	Shrub Layer	SHRUB			
Viola spp.	Violet	Herbaceous Layer				

BRUSH, PRAIRIE GRAVEL WASH

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Andropogon gerardii	Big bluestem	Herbaceous Layer	P-GRASS	4	160000	
Baptisia australis	Blue wild indigo	Herbaceous Layer	P-FORB	*	24000	SC
Campanula rotundifolia	Harebell	Herbaceous Layer	P-FORB	10	14400000	
Carex buxbaumii	Dark-scaled sedge	Herbaceous Layer	P-SEDGE	8		
Chasmanthium latifolium	Wild oats	Herbaceous Layer	P-GRASS	6	64000	SC
Coreopsis tripteris	Tall tickseed	Herbaceous Layer	P-FORB	4	224000	
Cornus amomum	Silky dogwood	Shrub Layer	SHRUB	6	12208	
Hypericum sphaerocarpum	Round-fruited St. John's wort	Herbaceous Layer	P-FORB	6		
Panicum virgatum	Switchgrass	Herbaceous Layer	A-GRASS	5	224000	
Salix spp.	Willow	Shrub Layer	SHRUB			
Schizachyrium scoparium	Little bluestem	Herbaceous Layer	P-GRASS	5	240000	
Sorghastrum nutans	Indian grass	Herbaceous Layer	P-GRASS	4	192000	

WOODLAND, WESTERN TALLGRASS BUR OAK

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Amelanchier alnifolia	Northwestern serviceberry	Shrub Layer	SHRUB	10	60051	SC
Andropogon gerardii	Big bluestem	Herbaceous Layer, Dominant	P-GRASS	4	160000	
Bouteloua curtipendula	Side-oats grama	Herbaceous Layer, Dominant	P-GRASS	6	96000	
Carex inops	Sun Sedge	Herbaceous Layer	P-SEDGE	6		
Carya spp.	Hickories	Canopy, Associate	TREE			
Ceanothus herbaceus	Redroot	Shrub Layer	SHRUB	8	160000	
Cornus drummondii	Rough-leaved dogwood	Shrub Layer, Dominant	SHRUB	6	15700	
Corylus americana	Hazelnut	Shrub Layer	SHRUB	3	480	
Corylus cornuta	Beaked hazel	Shrub Layer	SHRUB	10	549	
Fraxinus pennsylvanica lanceolata*	Green ash	Canopy, Associate	TREE	1	14320	
Hesperostipa spartea	Porcupine grass	Herbaceous Layer, Dominant	P-GRASS	6	10880	
Maianthemum canadense	Canada mayflower	Herbaceous Layer	P-FORB	8		
Monarda fistulosa	Wild bergamot, horsemint	Herbaceous Layer	P-FORB	2	896000	
Ostrya virginiana	Ironwood, hop hornbeam	Canopy, Associate	TREE	5	30000	
Panicum virgatum	Switchgrass	Herbaceous Layer	A-GRASS	5	224000	
Populus tremuloides	Quaking aspen	Canopy, Associate	TREE	2	3600000	
Prunus americana	Wild plum	Shrub Layer	TREE	2	870	
Prunus virginiana	Choke cherry	Shrub Layer	SHRUB	2	4971	
Quercus macrocarpa	Bur oak	Canopy, Dominant	TREE	4	64	
Quercus muehlenbergii	Chinquapin oak	Canopy, Associate	TREE	7	400	
Rhus glabra	Smooth sumac	Shrub Layer	SHRUB	0	59775	
Ribes missouriense	Wild gooseberry	Shrub Layer	SHRUB	3		
Salix humilis	Prairie willow	Shrub Layer	SHRUB	8		
Schizachyrium scoparium	Little bluestem	Herbaceous Layer, Dominant	P-GRASS	5	240000	
Solidago canadensis	Tall goldenrod	Herbaceous Layer	P-FORB	0	4600000	
Sorghastrum nutans	Indian grass	Herbaceous Layer, Dominant	P-GRASS	4	192000	
Sporobolus heterolepis	Prairie dropseed	Herbaceous Layer, Dominant	P-GRASS	9	256000	
Symphoricarpos occidentalis	Wolfberry, buckbrush	Shrub Layer	SHRUB	0	75033	
Tilia americana	Basswood, American linden	Canopy, Associate	TREE	5	4765	
Ulmus spp.	Elm	Canopy, Associate	TREE			
Zanthoxylum americanum	Prickly ash	Shrub Layer	SHRUB	3		

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Cliff, Midwest Dry Limestone - Dolostone

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Aquilegia canadensis	Columbine	Herbaceous Layer	P-FORB	6	608000	
Arabis laevigata	Smooth rock cress	Herbaceous Layer	B-FORB	8		
Celastrus scandens	Bittersweet	Vine Component	W-VINE	1	28800	
Cheilanthes feei	Slender lip fern	Herbaceous Layer	FERN	10		
Heuchera americana hirsuticaulis	Tall alumroot	Herbaceous Layer	P-FORB	10		
Juniperus virginiana	Red cedar	Canopy, Associate	TREE	1	43600	
Muhlenbergia cuspidata	Plains muhly	Herbaceous Layer	P-GRASS	10	2880000	
Parthenocissus quinquefolia	Virginia creeper	Vine Component	W-VINE	2	112000	
Pellaea atropurpurea	Purple cliff-brake	Herbaceous Layer	FERN	10		E
Pellaea glabella	Smooth cliff-brake	Herbaceous Layer	FERN	10		
Physocarpus opulifolius	Ninebark	Shrub Layer	SHRUB	8	544000	
Sedum ternatum	Wild stonecrop	Herbaceous Layer	P-FORB	10	400000	SC
Stenaria nigricans	Narrow-leaved bluets	Herbaceous Layer	P-FORB	7		
Taxus canadensis	American yew	Shrub Layer	SHRUB	9	16933	
Toxicodendron radicans	Poison ivy	Vine Component	W-VINE	0		

Cliff, Midwest Dry Sandstone

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Aquilegia canadensis	Columbine	Herbaceous Layer	P-FORB	6	608000	
Campanula rotundifolia	Harebell	Herbaceous Layer	P-FORB	10	14400000	
Dasiphora fruticosa floribunda	Shrubby cinquefoil	Shrub Layer	SHRUB	10		
Dryopteris marginalis	Marginal shield fern	Herbaceous Layer	FERN	10		T
Juniperus virginiana	Red cedar	Canopy, Associate	TREE	1	43600	
Pellaea atropurpurea	Purple cliff-brake	Herbaceous Layer	FERN	10		E
Pellaea glabella	Smooth cliff-brake	Herbaceous Layer	FERN	10		
Photinia melanocarpa	Black chokeberry	Shrub Layer	SHRUB	10	256000	E
Polypodium virginianum	Common polypody fern	Herbaceous Layer	FERN	10		
Quercus stellata	Post oak	Canopy, Associate	TREE	4	380	
Selaginella rupestris	Rock spikemoss	Herbaceous Layer	FERN	6		SC
Silene antirrhina	Sleepy catchfly	Herbaceous Layer	A-FORB	1		
Solidago hispida	White goldenrod	Herbaceous Layer	P-FORB	10		
Solidago sciaphila	Cliff goldenrod	Herbaceous Layer	P-FORB	10	1280000	
Toxicodendron radicans	Poison ivy	Vine Component	W-VINE	0		
Tradescantia ohiensis	Common spiderwort	Herbaceous Layer	P-FORB	4	128000	
Woodsia spp.	Cliff Fern	Herbaceous Layer				

Cliff, Midwest Moist Limestone - Dolostone

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acer saccharum	Sugar maple	Canopy, Associate	TREE	5	6080	
Adiantum pedatum	Northern maidenhair fern	Herbaceous Layer	FERN	7		
Aquilegia canadensis	Columbine	Herbaceous Layer	P-FORB	6	608000	
Asplenium rhizophyllum	Walking fern	Herbaceous Layer	FERN	9		
Campanula rotundifolia	Harebell	Herbaceous Layer	P-FORB	10	14400000	
Cystopteris bulbifera	Bulblet bladder fern	Herbaceous Layer	FERN	10		
Lysimachia quadriflora	Narrow-leaved loosestrife	Herbaceous Layer	P-FORB	7	1440000	
Pilea pumila	Clearweed	Herbaceous Layer	A-FORB	3		
Primula mistassinica	Bird's-eye primrose	Herbaceous Layer	P-FORB	10		SC
Solidago flexicaulis	Zigzag goldenrod	Herbaceous Layer	P-FORB	6	1344000	
Staphylea trifolia	Bladdernut	Canopy, Associate	SHRUB	7	6800	

Cliff, Midwest Moist Sandstone

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Agrostis perennans	Upland grass	Herbaceous Layer	P-GRASS	6	8000000	
Aquilegia canadensis	Columbine	Herbaceous Layer	P-FORB	6	608000	
Aralia nudicaulis	Wild sarsaparilla	Shrub Layer	SHRUB	8	99000	
Asarum canadense	Wild ginger	Herbaceous Layer	P-FORB	8		
Asplenium rhizophyllum	Walking fern	Herbaceous Layer	FERN	9		
Athyrium filix-femina angustum	Northern lady fern	Herbaceous Layer	FERN	7		
Cryptogramma stelleri	Slender rockbrake fern	Herbaceous Layer	FERN	10		
Cystopteris bulbifera	Bulblet bladder fern	Herbaceous Layer	FERN	10		
Cystopteris fragilis	Fragile fern	Herbaceous Layer	FERN	10		
Dicentra canadensis	Squirrel corn	Herbaceous Layer	P-FORB	10		
Dryopteris intermedia	Glandular wood fern	Herbaceous Layer	FERN	10		T
Dryopteris marginalis	Marginal shield fern	Herbaceous Layer	FERN	10		T
Mitchella repens	Partridge berry	Herbaceous Layer	SHRUB	10		T
Mitella diphylla	Bishop's cap, miterwort	Herbaceous Layer	P-FORB	8	896000	
Osmunda cinnamomea	Cinnamon fern	Herbaceous Layer	FERN	9		E
Osmunda regalis	Royal fern	Herbaceous Layer	FERN	10		T
Polypodium virginianum	Common polypody fern	Herbaceous Layer	FERN	10		
Sullivantia sullivantii	Sullivant's coolwort	Herbaceous Layer	P-FORB	10		

Fen, Central Tallgrass

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Asclepias incarnata</i>	Swamp milkweed	Herbaceous Layer	P-FORB	4	76800	
<i>Carex emoryi</i>	Riverbank sedge	Herbaceous Layer	P-SEDGE	6		
<i>Carex hystericina</i>	Porcupine sedge	Herbaceous Layer	P-SEDGE	5	480000	
<i>Carex interior</i>	Prairie star sedge	Herbaceous Layer	P-SEDGE	7	624000	
<i>Carex lurida</i>	Bottlebrush sedge	Herbaceous Layer	P-SEDGE	5	192000	SC
<i>Carex pellita</i>	Wooly sedge	Herbaceous Layer, Dominant	P-SEDGE	4	448000	
<i>Carex sterilis</i>	Fen star sedge	Herbaceous Layer	P-SEDGE	10	1040000	SC
<i>Chelone glabra</i>	White turtlehead	Herbaceous Layer	P-FORB	8	1472000	
<i>Cicuta maculata</i>	Water hemlock	Herbaceous Layer	B-FORB	7	192000	
<i>Dulichium arundinaceum</i>	Three-way sedge	Herbaceous Layer	P-SEDGE	9	624000	
<i>Eleocharis</i> spp.	Spikerush	Herbaceous Layer				
<i>Eupatorium maculatum</i>	Spotted Joe-pye-weed	Herbaceous Layer	P-FORB	5	1520000	
<i>Eupatorium perfoliatum</i>	Boneset	Herbaceous Layer	P-FORB	6	2560000	
<i>Juncus</i> spp.	True Rush	Herbaceous Layer, Dominant				
<i>Leersia oryzoides</i>	Rice cut-grass	Herbaceous Layer	P-GRASS	2	544000	
<i>Lycopus americanus</i>	Water horehound	Herbaceous Layer	P-FORB	4	2080000	
<i>Onoclea sensibilis</i>	Sensitive fern	Herbaceous Layer	FERN	6		
<i>Salix discolor</i>	Pussy willow	Shrub Layer	SHRUB	3		
<i>Salix</i> spp.	Willow	Shrub Layer	SHRUB			
<i>Schoenoplectus tabernaemontani</i>	Soft-stemmed bulrush	Herbaceous Layer, Dominant	P-SEDGE	3	496000	
<i>Scirpus atrovirens</i>	Dark green bulrush	Herbaceous Layer	P-SEDGE	1	7360000	
<i>Scirpus</i> or <i>Schoenoplectus</i> spp.	Bulrush	Herbaceous Layer, Dominant	P-SEDGE			
<i>Thelypteris palustris</i>	Marsh fern	Herbaceous Layer	FERN	6		
<i>Typha latifolia</i>	Common cattail	Herbaceous Layer	P-FORB	1		
<i>Viola nephrophylla</i>	Bog violet	Herbaceous Layer	P-FORB	8		

Fen, Northern Sedge Poor

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Betula papyrifera	Paper birch, canoe birch	Sub-canopy	TREE	6	1380800	
Calopogon tuberosus	Grass pink orchid	Herbaceous Layer	P-FORB	10		SC
Carex chordorrhiza	Cordroot sedge	Herbaceous Layer	P-SEDGE	10		E
Carex lasiocarpa	Woollyfruit Sedge	Herbaceous Layer, Dominant	P-SEDGE	10	224000	
Carex limosa	Muck sedge	Herbaceous Layer	P-SEDGE	10		SC
Carex oligocarpa	Few-fruited gray sedge	Herbaceous Layer	P-SEDGE	6		
Eriophorum spp.	Cottongrass	Herbaceous Layer				SC or T
Salix discolor	Pussy willow	Shrub Layer	SHRUB	3		
Salix pedicellaris	Bog willow	Shrub Layer	SHRUB	10		T
Salix spp.	Willow	Shrub Layer	SHRUB			
Scheuchzeria palustris americana	Arrow-grass	Herbaceous Layer	P-FORB	10		SC
Solidago uliginosa	Swamp goldenrod	Herbaceous Layer	P-FORB	10	2080000	E
Sphagnum spp.	Sphagnum moss	Herbaceous Layer				

Fen, Northern Tallgrass Calcareous

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Andropogon gerardii	Big bluestem	Herbaceous Layer	P-GRASS	4	160000	
Betula pumila	Swamp birch	Shrub Layer	SHRUB	9	480000	T
Calamagrostis stricta	Northern reed grass	Herbaceous Layer, Dominant	P-GRASS	7		
Carex lasiocarpa	Woollyfruit Sedge	Herbaceous Layer	P-SEDGE	10	224000	
Carex prairea	Fen panicled sedge	Herbaceous Layer, Dominant	P-SEDGE	10	1344000	
Carex sterilis	Fen star sedge	Herbaceous Layer, Dominant	P-SEDGE	10	1040000	SC
Cirsium muticum	Swamp thistle	Herbaceous Layer	B-FORB	9	112000	SC
Dasiphora fruticosa floribunda	Shrubby cinquefoil	Shrub Layer	SHRUB	10		
Doellingeria umbellata	Flat-topped aster, white aster	Herbaceous Layer	P-FORB	6	1072000	SC
Eleocharis spp.	Spikerush	Herbaceous Layer, Dominant				
Liatris ligulistylis	Blazing star	Herbaceous Layer	P-FORB	6	160000	
Lilium philadelphicum andinum	Wood lily	Herbaceous Layer	P-FORB	9	240000	
Lobelia kalmii	Kalm's lobelia	Herbaceous Layer, Dominant	P-FORB	10		SC
Muhlenbergia glomerata	Marsh wild Timothy	Herbaceous Layer, Dominant	P-GRASS	10	3600000	
Oligoneuron riddellii	Riddell's goldenrod	Herbaceous Layer	P-FORB	8	1488000	
Parnassia glauca	Grass of Parnassus	Herbaceous Layer, Dominant	P-FORB	8	4800000	
Rhynchospora capillacea	Beaked rush	Herbaceous Layer, Dominant	P-SEDGE	10		T
Salix bebbiana	Beaked willow	Shrub Layer	SHRUB	7	2500000	
Salix candida	Sage willow, hoary willow	Shrub Layer	SHRUB	8		SC
Salix discolor	Pussy willow	Shrub Layer	SHRUB	3		
Salix spp.	Willow	Shrub Layer	SHRUB			
Schoenoplectus americanus/pungens	Threesquare	Herbaceous Layer, Dominant	P-SEDGE	7	192000	
Solidago nemoralis	Field goldenrod	Herbaceous Layer	P-FORB	4	4800000	
Spartina pectinata	Slough grass, cord grass	Herbaceous Layer, Dominant	P-GRASS	4	105600	
Triglochin maritima	Common arrow-grass	Herbaceous Layer, Dominant	P-FORB	10		T
Zigadenus elegans	White camass	Herbaceous Layer	P-FORB	8	672000	
Zizia aurea	Golden Alexander's	Herbaceous Layer	P-FORB	6	176000	

Fen, Prairie Transition Rich

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Agalinis paupercula	False foxglove	Herbaceous Layer	A-FORB	8		
Betula pumila	Swamp birch	Shrub Layer	SHRUB	9	480000	T
Calamagrostis canadensis	Bluejoint	Herbaceous Layer	P-GRASS	5	4480000	
Calamagrostis stricta	Northern reed grass	Herbaceous Layer	P-GRASS	7		
Calopogon tuberosus	Grass pink orchid	Herbaceous Layer	P-FORB	10		SC
Carex aquatilis	Water sedge	Shrub Layer, Dominant	P-SEDGE	7		
Carex buxbaumii	Dark-scaled sedge	Herbaceous Layer, Dominant	P-SEDGE	8		
Carex interior	Prairie star sedge	Herbaceous Layer, Dominant	P-SEDGE	7	624000	
Carex lasiocarpa	Woollyfruit Sedge	Shrub Layer, Dominant	P-SEDGE	10	224000	
Carex pellita	Wooly sedge	Herbaceous Layer, Dominant	P-SEDGE	4	448000	
Carex sartwellii	Running marsh sedge	Herbaceous Layer, Dominant	P-SEDGE	7		
Carex stricta	Common tussock sedge	Herbaceous Layer, Dominant	P-SEDGE	6	848000	
Comarum palustre	Marsh cinquefoil	Herbaceous Layer	P-FORB	9	115200	
Dasiphora fruticosa floribunda	Shrubby cinquefoil	Shrub Layer	SHRUB	10		
Decodon verticillatus	Swamp loosestrife	Herbaceous Layer, Dominant	SHRUB	10		E
Drosera rotundifolia	Sundew	Herbaceous Layer	P-FORB	10		E
Dulichium arundinaceum	Three-way sedge	Herbaceous Layer, Dominant	P-SEDGE	9	624000	
Eleocharis palustris	Marsh spikerush	Herbaceous Layer, Dominant	P-SEDGE	6	816000	
Equisetum fluviatile	Swamp horsetail	Herbaceous Layer	FERN	8		
Eriophorum angustifolium	Tall cotton-grass	Herbaceous Layer, Dominant	P-SEDGE	8	160000	SC
Euthamia graminifolia	Grass-leaved goldenrod	Herbaceous Layer	P-FORB	5	5600000	
Galium labradoricum	Bog bedstraw	Herbaceous Layer	P-FORB	10		E
Glyceria grandis	American manna grass	Herbaceous Layer, Dominant	P-GRASS	6	1280000	
Impatiens capensis	Spotted touch-me-not	Herbaceous Layer	A-FORB	3	64000	
Lobelia kalmii	Kalm's lobelia	Herbaceous Layer	P-FORB	10		SC
Lycopus uniflorus	Northern bugleweed	Herbaceous Layer	P-FORB	7		
Lysimachia thyrsoiflora	Tufted loosestrife	Herbaceous Layer	P-FORB	7	1312000	
Menyanthes trifoliata	Buckbean	Herbaceous Layer	P-FORB	10	65000	
Pedicularis lanceolata	Swamp lousewort	Herbaceous Layer	P-FORB	7	704000	
Rhynchospora capillacea	Beaked rush	Herbaceous Layer	P-SEDGE	10		T
Salix candida	Sage willow, hoary willow	Shrub Layer	SHRUB	8		SC
Salix pedicellaris	Bog willow	Shrub Layer	SHRUB	10		T
Schoenoplectus acutus	Hard-stemmed bulrush	Herbaceous Layer, Dominant	P-SEDGE	4	206400	

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Fen, Prairie Transition Rich

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Schoenoplectus tabernaemontani	Soft-stemmed bulrush	Herbaceous Layer, Dominant	P-SEDGE	3	496000	
Scleria verticillata	Low nut-rush	Herbaceous Layer	A-SEDGE	10		T
Selaginella eclipses	Meadow spikemoss	Herbaceous Layer	FERN	9		E
Sorghastrum nutans	Indian grass	Herbaceous Layer	P-GRASS	4	192000	
Sphagnum spp.	Sphagnum moss	Herbaceous Layer				
Triadenum fraseri	Marsh St. John's wort	Herbaceous Layer	P-FORB	7	3680000	
Utricularia spp.	Bladderwort	Herbaceous Layer				

Fen, Tussock Sedge

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Andropogon gerardii	Big bluestem	Herbaceous Layer	P-GRASS	4	160000	
Asclepias incarnata	Swamp milkweed	Herbaceous Layer	P-FORB	4	76800	
Calamagrostis canadensis	Bluejoint	Herbaceous Layer	P-GRASS	5	4480000	
Carex interior	Prairie star sedge	Herbaceous Layer	P-SEDGE	7	624000	
Carex lasiocarpa	Woollyfruit Sedge	Herbaceous Layer	P-SEDGE	10	224000	
Carex prairea	Fen paniced sedge	Herbaceous Layer	P-SEDGE	10	1344000	
Carex spp.	True Sedges	Herbaceous Layer	P-SEDGE			
Carex sterilis	Fen star sedge	Herbaceous Layer	P-SEDGE	10	1040000	SC
Carex stricta	Common tussock sedge	Herbaceous Layer, Dominant	P-SEDGE	6	848000	
Chelone glabra	White turtlehead	Herbaceous Layer	P-FORB	8	1472000	
Cornus amomum	Silky dogwood	Shrub Layer	SHRUB	6	12208	
Doellingeria umbellata	Flat-topped aster, white aster	Herbaceous Layer	P-FORB	6	1072000	SC
Eriophorum angustifolium	Tall cotton-grass	Herbaceous Layer	P-SEDGE	8	160000	SC
Eupatorium maculatum	Spotted Joe-pye-weed	Herbaceous Layer, Dominant	P-FORB	5	1520000	
Eupatorium perfoliatum	Boneset	Herbaceous Layer	P-FORB	6	2560000	
Fragaria virginiana	Wild strawberry	Herbaceous Layer	P-FORB	3		
Gentiana andrewsii	Bottle gentian, closed gentian	Herbaceous Layer	P-FORB	8	4480000	
Geum aleppicum strictum	Yellow avens	Herbaceous Layer	P-FORB	6	320000	
Helenium autumnale	Sneezeweed	Herbaceous Layer	P-FORB	4	2080000	
Helianthus grosseserratus	Saw-tooth sunflower	Herbaceous Layer	P-FORB	4	240000	
Liparis loeselii	Bog twayblade	Herbaceous Layer	P-FORB	7		
Lobelia kalmii	Kalm's lobelia	Herbaceous Layer	P-FORB	10		SC
Lobelia siphilitica	Great lobelia	Herbaceous Layer	P-FORB	3	8000000	
Lythrum alatum	Winged loosestrife	Herbaceous Layer	P-FORB	3	48000000	
Muhlenbergia glomerata	Marsh wild Timothy	Herbaceous Layer	P-GRASS	10	3600000	
Oligoneuron riddellii	Riddell's goldenrod	Herbaceous Layer	P-FORB	8	1488000	
Onoclea sensibilis	Sensitive fern	Herbaceous Layer	FERN	6		
Oxypolis rigidior	Cowbane	Herbaceous Layer	P-FORB	8	233600	
Parnassia glauca	Grass of Parnassus	Herbaceous Layer	P-FORB	8	4800000	
Pedicularis lanceolata	Swamp lousewort	Herbaceous Layer	P-FORB	7	704000	
Phlox maculata	Wild sweet William	Herbaceous Layer	P-FORB	7	176000	
Pycnanthemum virginianum	Common mountain mint	Herbaceous Layer	P-FORB	4	3520000	
Rhynchospora capillacea	Beaked rush	Herbaceous Layer	P-SEDGE	10		T

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Fen, Tussock Sedge

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Salix bebbiana	Beaked willow	Shrub Layer	SHRUB	7	2500000	
Salix candida	Sage willow, hoary willow	Herbaceous Layer	SHRUB	8		SC
Salix discolor	Pussy willow	Shrub Layer	SHRUB	3		
Salix spp.	Willow	Shrub Layer	SHRUB			
Saxifraga pensylvanica	Swamp saxifrage	Herbaceous Layer	P-FORB	7		
Schoenoplectus acutus	Hard-stemmed bulrush	Herbaceous Layer	P-SEDGE	4	206400	
Schoenoplectus americanus/pungens	Threesquare	Herbaceous Layer	P-SEDGE	7	192000	
Spiraea alba	Meadowsweet	Herbaceous Layer	SHRUB	5	1000000	
Symphotrichum puniceum	Swamp aster	Herbaceous Layer	P-FORB	5	1280000	
Thelypteris palustris	Marsh fern	Herbaceous Layer	FERN	6		
Triadenum fraseri	Marsh St. John's wort	Herbaceous Layer	P-FORB	7	3680000	
Triglochin maritima	Common arrow-grass	Herbaceous Layer	P-FORB	10		T
Triglochin palustris	Slender arrow-grass	Herbaceous Layer	P-FORB	10		T
Valeriana edulis ciliata	Valerian	Herbaceous Layer	P-FORB	9		SC
Veronicastrum virginicum	Culver's root	Herbaceous Layer	P-FORB	5	12800000	
Viola nephrophylla	Bog violet	Herbaceous Layer	P-FORB	8		

Marsh, Arrowhead - Rice Cutgrass

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Ceratophyllum demersum	Coon's tail, hornwort	Submergent	P-FORB	0	165000	
Leersia oryzoides	Rice cut-grass	Herbaceous Layer, Dominant	P-GRASS	2	544000	
Potamogeton spp.	Pondweed	Floating-Leaved				
Sagittaria latifolia	Common arrowhead	Herbaceous Layer, Dominant	P-FORB	4	128000	

Marsh, Bulrush - Cattail - Bur-reed Shallow

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Alisma subcordatum</i>	Water plantain	Herbaceous Layer, Dominant	P-FORB	3	825000	
<i>Azolla mexicana</i>	Mosquito fern	Floating-Leaved	FERN	9		
<i>Bacopa rotundifolia</i>	Water hyssop	Herbaceous Layer, Dominant	P-FORB	6	4000000	
<i>Carex comosa</i>	Bristly sedge	Herbaceous Layer	P-SEDGE	6	480000	
<i>Eleocharis palustris</i>	Marsh spikerush	Herbaceous Layer, Dominant	P-SEDGE	6	816000	
<i>Heteranthera limosa</i>	Duck salad	Herbaceous Layer, Dominant	P-FORB	10		SC
<i>Juncus</i> spp.	True Rush	Herbaceous Layer, Dominant				
<i>Leersia oryzoides</i>	Rice cut-grass	Herbaceous Layer, Dominant	P-GRASS	2	544000	
<i>Lemna</i> spp.	Duckweed	Floating-Leaved				
<i>Polygonum amphibium emersum</i>	Water smartweed	Herbaceous Layer	P-FORB	3	125000	
<i>Polygonum lapathifolium</i>	Curttop lady's thumb	Herbaceous Layer	A-FORB	0		
<i>Polygonum pensylvanicum laevigatum</i>	Pinkweed	Herbaceous Layer	A-FORB	0	208000	
<i>Pontederia cordata</i>	Pickrel-weed	Herbaceous Layer, Dominant	P-FORB	7	4992	
<i>Rumex orbiculatus</i>	Great water dock	Herbaceous Layer	P-FORB	7	240000	
<i>Sagittaria latifolia</i>	Common arrowhead	Herbaceous Layer, Dominant	P-FORB	4	128000	
<i>Schoenoplectus acutus</i>	Hard-stemmed bulrush	Herbaceous Layer, Dominant	P-SEDGE	4	206400	
<i>Schoenoplectus fluviatilis</i>	River bulrush	Herbaceous Layer, Dominant	P-SEDGE	5	68800	
<i>Schoenoplectus tabernaemontani</i>	Soft-stemmed bulrush	Herbaceous Layer, Dominant	P-SEDGE	3	496000	
<i>Scirpus</i> or <i>Schoenoplectus</i> spp.	Bulrush	Herbaceous Layer	P-SEDGE			
<i>Sparganium eurycarpum</i>	Common bur reed	Herbaceous Layer, Dominant	P-FORB	6	8000	
<i>Sparganium</i> spp.	Bur-reeds	Herbaceous Layer, Dominant	P-FORB			
<i>Spirodela polyrrhiza</i>	Greater duckweed	Floating-Leaved	A-FORB	6		
<i>Typha angustifolia</i>	Narrow-leaved cattail	Herbaceous Layer, Dominant	P-FORB	1		
<i>Typha latifolia</i>	Common cattail	Herbaceous Layer, Dominant	P-FORB	1		

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Marsh, Freshwater Bulrush

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Carex atherodes	Hairy-leaved lake sedge	Herbaceous Layer	P-SEDGE	8	464000	
Lemna spp.	Duckweed	Floating-Leaved				
Phragmites australis	Giant Reed	Herbaceous Layer	P-GRASS	0		
Polygonum amphibium emersum	Water smartweed	Herbaceous Layer	P-FORB	3	125000	
Potamogeton spp.	Pondweed	Herbaceous Layer				
Salix spp.	Willow	Shrub Layer	SHRUB			
Schoenoplectus acutus	Hard-stemmed bulrush	Herbaceous Layer, Dominant	P-SEDGE	4	206400	
Schoenoplectus americanus/pungens	Threesquare	Herbaceous Layer	P-SEDGE	7	192000	
Schoenoplectus fluviatilis	River bulrush	Herbaceous Layer, Dominant	P-SEDGE	5	68800	
Schoenoplectus tabernaemontani	Soft-stemmed bulrush	Herbaceous Layer, Dominant	P-SEDGE	3	496000	
Triglochin maritima	Common arrow-grass	Herbaceous Layer	P-FORB	10		T
Typha latifolia	Common cattail	Herbaceous Layer	P-FORB	1		
Utricularia vulgaris	Common bladderwort	Floating-Leaved	P-FORB	4		

Marsh, Midwest Cattail Deep

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Asclepias incarnata</i>	Swamp milkweed	Herbaceous Layer	P-FORB	4	76800	
<i>Carex aquatilis</i>	Water sedge	Herbaceous Layer	P-SEDGE	7		
<i>Carex pellita</i>	Wooly sedge	Herbaceous Layer	P-SEDGE	4	448000	
<i>Carex rostrata</i>	Northwest Territory sedge	Herbaceous Layer	P-SEDGE	8	160000	
<i>Eleocharis</i> spp.	Spikerush	Herbaceous Layer				
<i>Epilobium ciliatum</i>	Northern willow herb	Herbaceous Layer	P-FORB	3	960000	
<i>Glyceria</i> spp.	Mannagrass	Herbaceous Layer	P-GRASS			
<i>Hibiscus laevis</i>	Halberd-leaved rose mallow	Herbaceous Layer	P-FORB	6	44800	
<i>Impatiens capensis</i>	Spotted touch-me-not	Herbaceous Layer	A-FORB	3	64000	
<i>Juncus</i> spp.	True Rush	Herbaceous Layer				
<i>Lemna minor</i>	Duckweed	Floating-Leaved	A-FORB	3		
<i>Mentha arvensis</i>	Wild mint	Herbaceous Layer	P-FORB	4	4800000	
<i>Polygonum amphibium emersum</i>	Water smartweed	Herbaceous Layer	P-FORB	3	125000	
<i>Sagittaria latifolia</i>	Common arrowhead	Herbaceous Layer	P-FORB	4	128000	
<i>Schoenoplectus acutus</i>	Hard-stemmed bulrush	Herbaceous Layer	P-SEDGE	4	206400	
<i>Schoenoplectus americanus/pungens</i>	Threesquare	Herbaceous Layer	P-SEDGE	7	192000	
<i>Scutellaria lateriflora</i>	Mad-dog skullcap	Herbaceous Layer	P-FORB	6	2720000	
<i>Sparganium eurycarpum</i>	Common bur reed	Herbaceous Layer	P-FORB	6	8000	
<i>Thelypteris palustris</i>	Marsh fern	Herbaceous Layer	FERN	6		
<i>Typha angustifolia</i>	Narrow-leaved cattail	Herbaceous Layer, Dominant	P-FORB	1		
<i>Typha latifolia</i>	Common cattail	Herbaceous Layer, Dominant	P-FORB	1		
<i>Verbena hastata</i>	Blue vervain	Herbaceous Layer	P-FORB	3	1488000	

Marsh, Midwest Mixed Emergent Deep

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Asclepias incarnata	Swamp milkweed	Herbaceous Layer	P-FORB	4	76800	
Carex aquatilis	Water sedge	Herbaceous Layer	P-SEDGE	7		
Carex hyalinolepis	Southern lake sedge	Herbaceous Layer	P-SEDGE	5		
Carex lupuliformis	Knobbed hop sedge	Herbaceous Layer	P-SEDGE	10		SC
Carex pellita	Wooly sedge	Herbaceous Layer	P-SEDGE	4	448000	
Carex rostrata	Northwest Territory sedge	Herbaceous Layer	P-SEDGE	8	160000	
Carex spp.	True Sedges	Herbaceous Layer	P-SEDGE			
Eleocharis spp.	Spikerush	Herbaceous Layer				
Epilobium ciliatum	Northern willow herb	Herbaceous Layer	P-FORB	3	960000	
Glyceria spp.	Mannagrass	Herbaceous Layer	P-GRASS			
Hibiscus laevis	Halberd-leaved rose mallow	Herbaceous Layer	P-FORB	6	44800	
Impatiens capensis	Spotted touch-me-not	Herbaceous Layer	A-FORB	3	64000	
Juncus spp.	True Rush	Herbaceous Layer				
Lemna minor	Duckweed	Floating-Leaved	A-FORB	3		
Mentha arvensis	Wild mint	Herbaceous Layer	P-FORB	4	4800000	
Nelumbo lutea	American lotus	Floating-Leaved	P-FORB	5		
Phragmites australis	Giant Reed	Herbaceous Layer	P-GRASS	0		
Polygonum amphibium emersum	Water smartweed	Herbaceous Layer	P-FORB	3	125000	
Sagittaria latifolia	Common arrowhead	Herbaceous Layer	P-FORB	4	128000	
Schoenoplectus acutus	Hard-stemmed bulrush	Herbaceous Layer, Dominant	P-SEDGE	4	206400	
Schoenoplectus americanus/pungens	Threesquare	Herbaceous Layer	P-SEDGE	7	192000	
Scutellaria lateriflora	Mad-dog skullcap	Herbaceous Layer	P-FORB	6	2720000	
Sparganium eurycarpum	Common bur reed	Herbaceous Layer	P-FORB	6	8000	
Thelypteris palustris	Marsh fern	Herbaceous Layer	FERN	6		
Typha angustifolia	Narrow-leaved cattail	Herbaceous Layer, Dominant	P-FORB	1		
Typha latifolia	Common cattail	Herbaceous Layer, Dominant	P-FORB	1		
Verbena hastata	Blue vervain	Herbaceous Layer	P-FORB	3	1488000	

Marsh, River Bulrush

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Calamagrostis canadensis	Bluejoint	Herbaceous Layer	P-GRASS	5	4480000	
Eupatorium perfoliatum	Boneset	Herbaceous Layer	P-FORB	6	2560000	
Sagittaria latifolia	Common arrowhead	Herbaceous Layer	P-FORB	4	128000	
Schoenoplectus fluviatilis	River bulrush	Herbaceous Layer, Dominant	P-SEDGE	5	68800	
Schoenoplectus tabernaemontani	Soft-stemmed bulrush	Herbaceous Layer	P-SEDGE	3	496000	
Sparganium eurycarpum	Common bur reed	Herbaceous Layer	P-FORB	6	8000	
Typha angustifolia	Narrow-leaved cattail	Herbaceous Layer	P-FORB	1		
Typha latifolia	Common cattail	Herbaceous Layer	P-FORB	1		
Verbena hastata	Blue vervain	Herbaceous Layer	P-FORB	3	1488000	

Marsh, Wild Rice

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Ceratophyllum demersum	Coon's tail, hornwort	Submergent	P-FORB	0	165000	
Nuphar lutea	Yellow water lily	Floating-Leaved	P-FORB	4		
Potamogeton natans	Common pondweed	Floating-Leaved	P-FORB	10		
Potamogeton zosteriformis	Flat-stemmed pondweed	Floating-Leaved	P-FORB	7		
Spirodela polyrrhiza	Greater duckweed	Floating-Leaved	A-FORB	6		
Utricularia vulgaris	Common bladderwort	Floating-Leaved	P-FORB	4		
Zizania aquatica	Wild rice	Herbaceous Layer, Dominant	A-GRASS	7	11340	

Meadow, Skunk-cabbage Seepage

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Angelica atropurpurea</i>	Angelica	Herbaceous Layer, Dominant	P-FORB	5	86400	SC
<i>Caltha palustris</i>	Marsh marigold	Herbaceous Layer	P-FORB	8	416000	
<i>Carex comosa</i>	Bristly sedge	Herbaceous Layer	P-SEDGE	6	480000	
<i>Carex lacustris</i>	Common lake sedge	Herbaceous Layer	P-SEDGE	7	512000	
<i>Carex stricta</i>	Common tussock sedge	Herbaceous Layer	P-SEDGE	6	848000	
<i>Carex trichocarpa</i>	Hairy-fruited lake sedge	Herbaceous Layer	P-SEDGE	8	288000	
<i>Chelone glabra</i>	White turtlehead	Herbaceous Layer	P-FORB	8	1472000	
<i>Epilobium coloratum</i>	Cinnamon willowherb	Herbaceous Layer	P-FORB	3	3000000	
<i>Impatiens capensis</i>	Spotted touch-me-not	Herbaceous Layer	A-FORB	3	64000	
<i>Pedicularis lanceolata</i>	Swamp lousewort	Herbaceous Layer	P-FORB	7	704000	
<i>Pilea pumila</i>	Clearweed	Herbaceous Layer	A-FORB	3		
<i>Saxifraga pensylvanica</i>	Swamp saxifrage	Herbaceous Layer	P-FORB	7		
<i>Solidago patula</i>	Rough-leaved goldenrod	Herbaceous Layer	P-FORB	10	700000	E
<i>Symplocarpus foetidus</i>	Skunk cabbage	Herbaceous Layer, Dominant	P-FORB	9	65000	
<i>Thelypteris palustris</i>	Marsh fern	Herbaceous Layer	FERN	6		

Mud Flats, River

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Ammannia coccinea</i>	Toothcup	Herbaceous Layer	A-FORB	4	600000	
<i>Bidens cernua</i>	Nodding bur marigold	Herbaceous Layer	A-FORB	2	336000	
<i>Bidens frondosa</i>	Beggar-ticks	Herbaceous Layer	A-FORB	3	80000	
<i>Bidens</i> spp.	Beggartick	Herbaceous Layer				
<i>Cyperus erythrorhizos</i>	Red-rooted nutsedge	Herbaceous Layer	A-SEDGE	2		
<i>Cyperus esculentus</i>	Yellow nutgrass	Herbaceous Layer	P-SEDGE	0		
<i>Cyperus odoratus squarrosus</i>	Fragrant flatsedge	Herbaceous Layer	A-SEDGE	2		
<i>Cyperus</i> spp.	Nutrushes	Herbaceous Layer				
<i>Cyperus strigosus</i>	Long-scaled nutsedge	Herbaceous Layer	P-SEDGE	2		
<i>Echinochloa muricata</i>	Spiny barnyard grass	Herbaceous Layer	A-GRASS	3		
<i>Juncus effusus</i>	Common rush	Herbaceous Layer	P-FORB	4	16000000	SC
<i>Penthorum sedoides</i>	Ditch stonecrop	Herbaceous Layer	P-FORB	3	20800000	
<i>Polygonum amphibium emersum</i>	Water smartweed	Herbaceous Layer	P-FORB	3	125000	
<i>Polygonum hydropiperoides</i>	Mild water pepper	Herbaceous Layer	P-FORB	6	125000	
<i>Polygonum lapathifolium</i>	Curttop lady's thumb	Herbaceous Layer	A-FORB	0		
<i>Polygonum pensylvanicum laevigatum</i>	Pinkweed	Herbaceous Layer	A-FORB	0	208000	
<i>Polygonum punctatum</i>	Water smartweed	Herbaceous Layer	A-FORB	4	124800	
<i>Polygonum</i> spp.	Knotweed	Herbaceous Layer				
<i>Rumex</i> spp.	Dock	Herbaceous Layer				

Pond, Midwest Ephemeral

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Ammannia coccinea</i>	Toothcup	Herbaceous Layer	A-FORB	4	600000	
<i>Bidens cernua</i>	Nodding bur marigold	Herbaceous Layer	A-FORB	2	336000	
<i>Bidens frondosa</i>	Beggar-ticks	Herbaceous Layer	A-FORB	3	80000	
<i>Bidens</i> spp.	Beggartick	Herbaceous Layer				
<i>Boehmeria cylindrica</i>	Bog hemp	Herbaceous Layer	P-FORB	5	325000	
<i>Carex aquatilis</i>	Water sedge	Herbaceous Layer	P-SEDGE	7		
<i>Carex lupulina</i>	Common hop sedge	Herbaceous Layer	P-SEDGE	6	52800	
<i>Cephalanthus occidentalis</i>	Buttonbush	Shrub Layer	SHRUB	6		
<i>Cyperus erythrorhizos</i>	Red-rooted nutsedge	Herbaceous Layer	A-SEDGE	2		
<i>Cyperus esculentus</i>	Yellow nutgrass	Herbaceous Layer	P-SEDGE	0		
<i>Cyperus odoratus squarrosus</i>	Fragrant flatsedge	Herbaceous Layer	A-SEDGE	2		
<i>Cyperus</i> spp.	Nutrushes	Herbaceous Layer				
<i>Cyperus strigosus</i>	Long-scaled nutsedge	Herbaceous Layer	P-SEDGE	2		
<i>Echinochloa muricata</i>	Spiny barnyard grass	Herbaceous Layer	A-GRASS	3		
<i>Helianthus annuus</i>	Common sunflower	Herbaceous Layer	A-FORB	0	46919	
<i>Juncus effusus</i>	Common rush	Herbaceous Layer	P-FORB	4	16000000	SC
<i>Leersia</i> spp.	Cutgrass	Herbaceous Layer	P-GRASS			
<i>Lemna minor</i>	Duckweed	Floating-Leaved	A-FORB	3		
<i>Nelumbo lutea</i>	American lotus	Floating-Leaved	P-FORB	5		
<i>Peltandra virginica</i>	Arrow arum	Herbaceous Layer	P-FORB	10		E
<i>Penthorum sedoides</i>	Ditch stonecrop	Herbaceous Layer	P-FORB	3	20800000	
<i>Polygonum amphibium emersum</i>	Water smartweed	Herbaceous Layer, Dominant	P-FORB	3	125000	
<i>Polygonum hydropiperoides</i>	Mild water pepper	Herbaceous Layer	P-FORB	6	125000	
<i>Polygonum lapathifolium</i>	Curttop lady's thumb	Herbaceous Layer	A-FORB	0		
<i>Polygonum pensylvanicum laevigatum</i>	Pinkweed	Herbaceous Layer	A-FORB	0	208000	
<i>Polygonum punctatum</i>	Water smartweed	Herbaceous Layer	A-FORB	4	124800	
<i>Polygonum</i> spp.	Knotweed	Herbaceous Layer				
<i>Potamogeton natans</i>	Common pondweed	Floating-Leaved	P-FORB	10		
<i>Potamogeton pectinata</i>	Sago pondweed	Floating-Leaved	P-FORB	3		
<i>Rumex</i> spp.	Dock	Herbaceous Layer				
<i>Sagittaria brevirostra</i>	Short-beaked arrowleaf	Herbaceous Layer	P-FORB	4		
<i>Schoenoplectus acutus</i>	Hard-stemmed bulrush	Herbaceous Layer	P-SEDGE	4	206400	
<i>Schoenoplectus hallii</i>	Hall's tufted bulrush	Herbaceous Layer	A-SEDGE	10		SC

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SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Schoenoplectus tabernaemontani	Soft-stemmed bulrush	Herbaceous Layer, Dominant	P-SEDGE	3	496000	
Scirpus cyperinus	Wooly bulrush	Herbaceous Layer	P-SEDGE	4	27200000	
Spirodela polyrrhiza	Greater duckweed	Floating-Leaved	A-FORB	6		
Typha angustifolia	Narrow-leaved cattail	Herbaceous Layer, Dominant	P-FORB	1		
Typha latifolia	Common cattail	Herbaceous Layer, Dominant	P-FORB	1		
Utricularia gibba	Humped bladderwort	Floating-Leaved	P-FORB	10		SC
Wolffia spp.	Watermeal	Floating-Leaved				

Prairie, Central Mesic Tallgrass

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Amorpha canescens</i>	Lead plant	Shrub Layer	SHRUB	8	256000	
<i>Andropogon gerardii</i>	Big bluestem	Herbaceous Layer, Dominant	P-GRASS	4	160000	
<i>Bouteloua curtipendula</i>	Side-oats grama	Herbaceous Layer	P-GRASS	6	96000	
<i>Dalea candida</i>	White prairie clover	Herbaceous Layer, Dominant	P-FORB	10	304000	
<i>Dalea purpurea</i>	Purple prairie clover	Herbaceous Layer	P-FORB	8	288000	
<i>Echinacea pallida</i>	Pale coneflower	Herbaceous Layer	P-FORB	7	83200	
<i>Eryngium yuccifolium</i>	Rattlesnake master	Herbaceous Layer, Dominant	P-FORB	8	120000	
<i>Euphorbia commutata</i>	Wood spurge	Herbaceous Layer	P-FORB	5		SC
<i>Fragaria virginiana</i>	Wild strawberry	Herbaceous Layer	P-FORB	3		
<i>Galium boreale</i>	Northern bedstraw	Herbaceous Layer	P-FORB	7	1120000	
<i>Gentiana puberulenta</i>	Downy gentian	Herbaceous Layer	P-FORB	9	6960000	
<i>Helianthus grosseserratus</i>	Saw-tooth sunflower	Herbaceous Layer	P-FORB	4	240000	
<i>Helianthus pauciflorus</i>	Prairie sunflower	Herbaceous Layer, Dominant	P-FORB	8	64000	
<i>Hesperostipa spartea</i>	Porcupine grass	Herbaceous Layer	P-GRASS	6	10880	
<i>Lespedeza capitata</i>	Round-headed bush clover	Herbaceous Layer	P-FORB	3	128000	
<i>Liatris pycnostachya</i>	Prairie blazing star	Herbaceous Layer, Dominant	P-FORB	6	176000	
<i>Monarda fistulosa</i>	Wild bergamot, horsemint	Herbaceous Layer	P-FORB	2	896000	
<i>Oligoneuron rigidum</i>	Stiff goldenrod	Herbaceous Layer, Dominant	P-FORB	4	656000	
<i>Oxalis violacea</i>	Violet wood sorrel	Herbaceous Layer	P-FORB	7	800000	
<i>Panicum virgatum</i>	Switchgrass	Herbaceous Layer	A-GRASS	5	224000	
<i>Pascopyrum smithii</i>	Western wheatgrass	Herbaceous Layer	P-GRASS	2	115008	
<i>Phlox pilosa</i>	Prairie phlox	Herbaceous Layer	P-FORB	7	304000	
<i>Quercus macrocarpa</i>	Bur oak	Canopy, Associate	TREE	4	64	
<i>Ratibida pinnata</i>	Gray-headed coneflower	Herbaceous Layer, Dominant	P-FORB	4	672000	
<i>Rhus</i> spp.	Sumac	Shrub Layer	SHRUB			
<i>Rosa carolina</i>	Pasture rose	Herbaceous Layer, Dominant	SHRUB	4	40000	
<i>Salix humilis</i>	Prairie willow	Shrub Layer	SHRUB	8		
<i>Schizachyrium scoparium</i>	Little bluestem	Herbaceous Layer, Dominant	P-GRASS	5	240000	
<i>Silphium laciniatum</i>	Compass plant	Herbaceous Layer	P-FORB	7	19200	
<i>Solidago</i> spp.	Goldenrod	Herbaceous Layer				
<i>Sorghastrum nutans</i>	Indian grass	Herbaceous Layer, Dominant	P-GRASS	4	192000	
<i>Sporobolus heterolepis</i>	Prairie dropseed	Herbaceous Layer, Dominant	P-GRASS	9	256000	
<i>Symphoricarpos occidentalis</i>	Wolfberry, buckbrush	Shrub Layer	SHRUB	0	75033	

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Prairie, Central Mesic Tallgrass

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Symphyotrichum ericoides	Heath aster, frost weed	Herbaceous Layer, Dominant	P-FORB	3	3200000	

Prairie, Central Tallgrass Big Bluestem Loess

SCIENTIFIC NAME	COMMON NAME		PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Amorpha canescens</i>	Lead plant	Shrub Layer	SHRUB	8	256000	
<i>Andropogon gerardii</i>	Big bluestem	Herbaceous Layer, Dominant	P-GRASS	4	160000	
<i>Bouteloua curtipendula</i>	Side-oats grama	Herbaceous Layer	P-GRASS	6	96000	
<i>Dalea candida</i>	White prairie clover	Herbaceous Layer	P-FORB	10	304000	
<i>Echinacea pallida</i>	Pale coneflower	Herbaceous Layer	P-FORB	7	83200	
<i>Galium boreale</i>	Northern bedstraw	Herbaceous Layer	P-FORB	7	1120000	
<i>Helianthus grosseserratus</i>	Saw-tooth sunflower	Herbaceous Layer	P-FORB	4	240000	
<i>Hesperostipa spartea</i>	Porcupine grass	Herbaceous Layer, Dominant	P-GRASS	6	10880	
<i>Liatris pycnostachya</i>	Prairie blazing star	Herbaceous Layer	P-FORB	6	176000	
<i>Oxalis violacea</i>	Violet wood sorrel	Herbaceous Layer	P-FORB	7	800000	
<i>Panicum virgatum</i>	Switchgrass	Herbaceous Layer	A-GRASS	5	224000	
<i>Pascopyrum smithii</i>	Western wheatgrass	Herbaceous Layer	P-GRASS	2	115008	
<i>Phlox pilosa</i>	Prairie phlox	Herbaceous Layer	P-FORB	7	304000	
<i>Potentilla arguta</i>	Prairie cinquefoil	Herbaceous Layer	P-FORB	8	3680000	
<i>Psoralidium tenuiflorum</i>	Scurfy pea	Herbaceous Layer	P-FORB	9	16000	
<i>Quercus macrocarpa</i>	Bur oak	Canopy, Associate	TREE	4	64	
<i>Ratibida pinnata</i>	Gray-headed coneflower	Herbaceous Layer	P-FORB	4	672000	
<i>Rhus</i> spp.	Sumac	Shrub Layer	SHRUB			
<i>Schizachyrium scoparium</i>	Little bluestem	Herbaceous Layer	P-GRASS	5	240000	
<i>Silphium laciniatum</i>	Compass plant	Herbaceous Layer	P-FORB	7	19200	
<i>Solidago</i> spp.	Goldenrod	Herbaceous Layer				
<i>Sorghastrum nutans</i>	Indian grass	Herbaceous Layer, Dominant	P-GRASS	4	192000	
<i>Sporobolus clandestinus</i>	Rough rush grass	Herbaceous Layer	P-GRASS	3	480000	SC
<i>Sporobolus heterolepis</i>	Prairie dropseed	Herbaceous Layer	P-GRASS	9	256000	
<i>Symphoricarpos occidentalis</i>	Wolfberry, buckbrush	Shrub Layer	SHRUB	0	75033	

Prairie, Central Wet-Mesic Tallgrass

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Andropogon gerardii	Big bluestem	Herbaceous Layer, Dominant	P-GRASS	4	160000	
Calamagrostis canadensis	Bluejoint	Herbaceous Layer	P-GRASS	5	4480000	
Carex bicknellii	Bicknell's sedge	Herbaceous Layer	P-SEDGE	10	272000	
Carex spp.	True Sedges	Herbaceous Layer	P-SEDGE			
Elymus canadensis	Canada wild rye	Herbaceous Layer	P-GRASS	5	83200	
Eryngium yuccifolium	Rattlesnake master	Herbaceous Layer	P-FORB	8	120000	
Helianthus grosseserratus	Saw-tooth sunflower	Herbaceous Layer	P-FORB	4	240000	
Hypericum mutilum	Dwarf St. John's wort	Herbaceous Layer	P-FORB	7		
Juncus interior	Inland rush	Herbaceous Layer	P-FORB	2	44800000	
Liatris pycnostachya	Prairie blazing star	Herbaceous Layer	P-FORB	6	176000	
Lysimachia quadriflora	Narrow-leaved loosestrife	Herbaceous Layer	P-FORB	7	1440000	
Oenothera pilosella	Prairie sundrops	Herbaceous Layer	P-FORB	7	4256000	
Packera paupercula	Prairie ragwort	Herbaceous Layer	P-FORB	5		
Panicum virgatum	Switchgrass	Herbaceous Layer	A-GRASS	5	224000	
Pascopyrum smithii	Western wheatgrass	Herbaceous Layer	P-GRASS	2	115008	
Penstemon digitalis	Foxglove penstemon	Herbaceous Layer	P-FORB	4	2080000	
Physostegia virginiana	False dragonhead	Herbaceous Layer	P-FORB	6	176000	
Potentilla simplex	Common cinquefoil	Herbaceous Layer	P-FORB	3		
Pycnanthemum virginianum	Common mountain mint	Herbaceous Layer	P-FORB	4	3520000	
Ratibida columnifera	Long-headed coneflower	Herbaceous Layer	P-FORB	4	320000	
Ratibida pinnata	Gray-headed coneflower	Herbaceous Layer	P-FORB	4	672000	
Schizachyrium scoparium	Little bluestem	Herbaceous Layer	P-GRASS	5	240000	
Sorghastrum nutans	Indian grass	Herbaceous Layer	P-GRASS	4	192000	
Spartina pectinata	Slough grass, cord grass	Herbaceous Layer, Dominant	P-GRASS	4	105600	
Thalictrum dasycarpum	Purple meadow-rue	Herbaceous Layer	P-FORB	4	176000	
Tripsacum dactyloides	Gama grass	Herbaceous Layer	P-GRASS	3	5920	
Veronicastrum virginicum	Culver's root	Herbaceous Layer	P-FORB	5	12800000	
Zizia aurea	Golden Alexander's	Herbaceous Layer	P-FORB	6	176000	

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Prairie, Little Bluestem - Porcupine Grass Dry-Mesic

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Ambrosia psilostachya</i>	Western ragweed	Herbaceous Layer	P-FORB	2		
<i>Amorpha canescens</i>	Lead plant	Shrub Layer	SHRUB	8	256000	
<i>Andropogon gerardii</i>	Big bluestem	Herbaceous Layer, Dominant	P-GRASS	4	160000	
<i>Andropogon hallii</i>	Sand bluestem	Herbaceous Layer	P-GRASS	7	96640	SC
<i>Anemone cylindrica</i>	Windflower, thimbleweed	Herbaceous Layer	P-FORB	7	416000	
<i>Aristida purpurea longiseta</i>	Few-flowered aristata	Herbaceous Layer	P-GRASS	10		
<i>Artemisia frigida</i>	Prairie sagewort	Shrub Layer	SHRUB	4	4536000	SC
<i>Asclepias verticillata</i>	Whorled milkweed	Herbaceous Layer	P-FORB	0	176000	
<i>Astragalus crassicaarpus</i>	Ground plum	Herbaceous Layer	P-FORB	9	83200	
<i>Bouteloua curtipendula</i>	Side-oats grama	Herbaceous Layer, Dominant	P-GRASS	6	96000	
<i>Bouteloua dactyloides</i>	Buffalo grass	Herbaceous Layer	P-GRASS	7		SC
<i>Bouteloua gracilis</i>	Blue grama	Herbaceous Layer	P-GRASS	8	640000	
<i>Bouteloua hirsuta</i>	Hairy grama	Herbaceous Layer	P-GRASS	7	1120000	
<i>Calamovilfa longifolia</i>	Prairie sandreed	Herbaceous Layer	P-GRASS	7	274000	
<i>Carex duriuscula</i>	Needleleaf sedge	Herbaceous Layer	P-SEDGE	10		
<i>Carex inops</i>	Sun Sedge	Herbaceous Layer	P-SEDGE	6		
<i>Dalea candida</i>	White prairie clover	Herbaceous Layer	P-FORB	10	304000	
<i>Dalea purpurea</i>	Purple prairie clover	Herbaceous Layer	P-FORB	8	288000	
<i>Descurainia pinnata brachycarpa</i>	Tansy mustard	Herbaceous Layer	A-FORB	1		
<i>Echinacea angustifolia</i>	Purple coneflower	Herbaceous Layer	P-FORB	8	112000	
<i>Elymus canadensis</i>	Canada wild rye	Herbaceous Layer	P-GRASS	5	83200	
<i>Gaura coccinea</i>	Scarlet gaura	Herbaceous Layer	P-FORB	7	22400	
<i>Hesperostipa comata</i>	Needle-and-thread	Herbaceous Layer	P-GRASS	7	256000	SC
<i>Hesperostipa spartea</i>	Porcupine grass	Herbaceous Layer, Dominant	P-GRASS	6	10880	
<i>Koeleria macrantha</i>	June grass	Herbaceous Layer	P-GRASS	7	3200000	
<i>Liatris punctata</i>	Dotted blazing star	Herbaceous Layer	P-FORB	8	112000	
<i>Lygodesmia juncea</i>	Skeletonweed	Herbaceous Layer	P-FORB	7		
<i>Mimosa nuttallii</i>	Sensitive brier	Herbaceous Layer	P-FORB	10		
<i>Muhlenbergia cuspidata</i>	Plains muhly	Herbaceous Layer	P-GRASS	10	2880000	
<i>Oligoneuron rigidum</i>	Stiff goldenrod	Herbaceous Layer	P-FORB	4	656000	
<i>Pascopyrum smithii</i>	Western wheatgrass	Herbaceous Layer, Dominant	P-GRASS	2	115008	
<i>Penstemon grandiflorus</i>	Large-flowered beardtongue	Herbaceous Layer	P-FORB	5	224000	
<i>Ratibida columnifera</i>	Long-headed coneflower	Herbaceous Layer	P-FORB	4	320000	

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Prairie, Little Bluestem - Porcupine Grass Dry-Mesic

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Rosa spp.	Wildrose	Shrub Layer	SHRUB			
Schizachyrium scoparium	Little bluestem	Herbaceous Layer, Dominant	P-GRASS	5	240000	
Sphaeralcea coccinea	Scarlet mallow	Herbaceous Layer	P-GRASS	9	500000	T
Sporobolus clandestinus	Rough rush grass	Herbaceous Layer	P-GRASS	3	480000	SC
Sporobolus cryptandrus	Sand dropseed	Herbaceous Layer	P-GRASS	3	5600080	
Sporobolus heterolepis	Prairie dropseed	Herbaceous Layer	P-GRASS	9	256000	
Symphoricarpos occidentalis	Wolfberry, buckbrush	Shrub Layer	SHRUB	0	75033	
Symphyotrichum ericoides	Heath aster, frost weed	Herbaceous Layer	P-FORB	3	3200000	
Symphyotrichum oblongifolium	Aromatic aster	Herbaceous Layer	P-FORB	10	816000	
Yucca glauca	Soapweed	Shrub Layer	P-FORB	10	28800	

Prairie, Little Bluestem Bedrock Bluff

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Ambrosia artemisiifolia</i>	Common ragweed	Herbaceous Layer	A-FORB	0		
<i>Ambrosia psilostachya</i>	Western ragweed	Herbaceous Layer	P-FORB	2		
<i>Amorpha canescens</i>	Lead plant	Shrub Layer	SHRUB	8	256000	
<i>Andropogon gerardii</i>	Big bluestem	Herbaceous Layer, Dominant	P-GRASS	4	160000	
<i>Andropogon hallii</i>	Sand bluestem	Herbaceous Layer	P-GRASS	7	96640	SC
<i>Aristida purpurea longiseta</i>	Few-flowered aristata	Herbaceous Layer	P-GRASS	10		
<i>Artemisia campestris caudata</i>	Western sagewort	Herbaceous Layer	B-FORB	4	4000000	
<i>Artemisia frigida</i>	Prairie sagewort	Shrub Layer	SHRUB	4	4536000	SC
<i>Asclepias lanuginosa</i>	Woolly milkweed	Herbaceous Layer	P-FORB	9		T
<i>Asclepias verticillata</i>	Whorled milkweed	Herbaceous Layer	P-FORB	0	176000	
<i>Asclepias viridiflora</i>	Green milkweed	Herbaceous Layer	P-FORB	6	57600	
<i>Bouteloua curtipendula</i>	Side-oats grama	Herbaceous Layer, Dominant	P-GRASS	6	96000	
<i>Bouteloua dactyloides</i>	Buffalo grass	Herbaceous Layer	P-GRASS	7		SC
<i>Bouteloua gracilis</i>	Blue grama	Herbaceous Layer	P-GRASS	8	640000	
<i>Bouteloua hirsuta</i>	Hairy grama	Herbaceous Layer	P-GRASS	7	1120000	
<i>Brickellia eupatorioides</i>	False boneset	Herbaceous Layer	P-FORB	5	512000	
<i>Calamovilfa longifolia</i>	Prairie sandreed	Herbaceous Layer	P-GRASS	7	274000	
<i>Carex duriuscula</i>	Needleleaf sedge	Herbaceous Layer	P-SEDGE	10		
<i>Carex inops</i>	Sun Sedge	Herbaceous Layer	P-SEDGE	6		
<i>Castilleja sessiliflora</i>	Downy painted cup	Herbaceous Layer	P-FORB	10	3200000	
<i>Coreopsis palmata</i>	Tickseed, prairie coreopsis	Herbaceous Layer	P-FORB	7	160000	
<i>Dalea purpurea</i>	Purple prairie clover	Herbaceous Layer	P-FORB	8	288000	
<i>Dichanthelium linearifolium</i>	Slim-leaved panic grass	Herbaceous Layer	P-GRASS	6		T
<i>Echinacea angustifolia</i>	Purple coneflower	Herbaceous Layer	P-FORB	8	112000	
<i>Echinacea pallida</i>	Pale coneflower	Herbaceous Layer	P-FORB	7	83200	
<i>Erigeron strigosus</i>	Daisy fleabane	Herbaceous Layer	P-FORB	2	250000	
<i>Euphorbia corollata</i>	Flowering spurge	Herbaceous Layer	P-FORB	3	128000	
<i>Gaura coccinea</i>	Scarlet gaura	Herbaceous Layer	P-FORB	7	22400	
<i>Geum triflorum</i>	Prairie smoke, purple avens	Herbaceous Layer	P-FORB	8	432000	
<i>Hedeoma hispidum</i>	Rough pennyroyal	Herbaceous Layer	A-FORB	2		
<i>Hesperostipa comata</i>	Needle-and-thread	Herbaceous Layer	P-GRASS	7	256000	SC
<i>Hesperostipa spartea</i>	Porcupine grass	Herbaceous Layer	P-GRASS	6	10880	
<i>Koeleria macrantha</i>	June grass	Herbaceous Layer	P-GRASS	7	3200000	

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SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Liatris cylindracea</i>	Blazing star	Herbaceous Layer	P-FORB	10	224000	
<i>Liatris punctata</i>	Dotted blazing star	Herbaceous Layer	P-FORB	8	112000	
<i>Lithospermum incisum</i>	Fringed puccoon	Herbaceous Layer	P-FORB	5		
<i>Lygodesmia juncea</i>	Skeletonweed	Herbaceous Layer	P-FORB	7		
<i>Minuartia michauxii</i>	Rock sandwort	Herbaceous Layer	P-FORB	10	3840000	SC
<i>Muhlenbergia cuspidata</i>	Plains muhly	Herbaceous Layer	P-GRASS	10	2880000	
<i>Oligoneuron album</i>	Stiff aster	Herbaceous Layer	P-FORB	9	1024000	
<i>Pascopyrum smithii</i>	Western wheatgrass	Herbaceous Layer	P-GRASS	2	115008	
<i>Pediomelum esculentum</i>	Prairie turnip	Herbaceous Layer	P-FORB	8	17600	
<i>Photinia melanocarpa</i>	Black chokeberry	Shrub Layer	SHRUB	10	256000	E
<i>Physalis heterophylla</i>	Ground cherry	Herbaceous Layer	P-FORB	2		
<i>Pulsatilla patens multifida</i>	Pasque flower	Herbaceous Layer	P-FORB	8	288000	
<i>Ratibida columnifera</i>	Long-headed coneflower	Herbaceous Layer	P-FORB	4	320000	
<i>Rosa spp.</i>	Wildrose	Shrub Layer	SHRUB			
<i>Schizachyrium scoparium</i>	Little bluestem	Herbaceous Layer, Dominant	P-GRASS	5	240000	
<i>Scutellaria parvula</i>	Small skullcap	Herbaceous Layer	P-FORB	7		
<i>Solidago nemoralis</i>	Field goldenrod	Herbaceous Layer	P-FORB	4	4800000	
<i>Sphaeralcea coccinea</i>	Scarlet mallow	Herbaceous Layer	P-GRASS	9	500000	T
<i>Sporobolus clandestinus</i>	Rough rush grass	Herbaceous Layer	P-GRASS	3	480000	SC
<i>Sporobolus cryptandrus</i>	Sand dropseed	Herbaceous Layer	P-GRASS	3	5600080	
<i>Sporobolus heterolepis</i>	Prairie dropseed	Herbaceous Layer, Dominant	P-GRASS	9	256000	
<i>Symphoricarpos occidentalis</i>	Wolfberry, buckbrush	Shrub Layer	SHRUB	0	75033	
<i>Symphyotrichum ericoides</i>	Heath aster, frost weed	Herbaceous Layer	P-FORB	3	3200000	
<i>Symphyotrichum oblongifolium</i>	Aromatic aster	Herbaceous Layer	P-FORB	10	816000	
<i>Symphyotrichum sericeum</i>	Silky aster	Herbaceous Layer	P-FORB	10	896000	
<i>Verbena stricta</i>	Hoary vervain	Herbaceous Layer	P-FORB	1	448000	
<i>Yucca glauca</i>	Soapweed	Shrub Layer	P-FORB	10	28800	

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Prairie, Loess Hills Little Bluestem Dry

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Ambrosia psilostachya	Western ragweed	Herbaceous Layer	P-FORB	2		
Amorpha canescens	Lead plant	Shrub Layer	SHRUB	8	256000	
Andropogon gerardii	Big bluestem	Herbaceous Layer, Dominant	P-GRASS	4	160000	
Andropogon hallii	Sand bluestem	Herbaceous Layer	P-GRASS	7	96640	SC
Aristida purpurea longiseta	Few-flowered aristata	Herbaceous Layer	P-GRASS	10		
Artemisia frigida	Prairie sagewort	Shrub Layer	SHRUB	4	4536000	SC
Astragalus lotiflorus	Lotus milk vetch	Herbaceous Layer	P-FORB	10		
Astragalus missouriensis	Missouri milk vetch	Herbaceous Layer	P-FORB	8		SC
Bouteloua curtipendula	Side-oats grama	Herbaceous Layer, Dominant	P-GRASS	6	96000	
Bouteloua dactyloides	Buffalo grass	Herbaceous Layer	P-GRASS	7		SC
Bouteloua gracilis	Blue grama	Herbaceous Layer	P-GRASS	8	640000	
Bouteloua hirsuta	Hairy grama	Herbaceous Layer	P-GRASS	7	1120000	
Calamovilfa longifolia	Prairie sandreed	Herbaceous Layer	P-GRASS	7	274000	
Carex duriuscula	Needleleaf sedge	Herbaceous Layer	P-SEDGE	10		
Carex inops	Sun Sedge	Herbaceous Layer	P-SEDGE	6		
Dalea candida	White prairie clover	Herbaceous Layer	P-FORB	10	304000	
Dalea enneandra	Nine-anther prairie clover	Herbaceous Layer	P-FORB	10		
Dalea leporina	Foxtail dalea	Herbaceous Layer	A-FORB	6		
Dalea purpurea	Purple prairie clover	Herbaceous Layer	P-FORB	8	288000	
Delphinium carolinianum	Wild blue larkspur	Herbaceous Layer	P-FORB	7	656000	SC
Echinacea angustifolia	Purple coneflower	Herbaceous Layer	P-FORB	8	112000	
Gaura coccinea	Scarlet gaura	Herbaceous Layer	P-FORB	7	22400	
Hesperostipa comata	Needle-and-thread	Herbaceous Layer	P-GRASS	7	256000	SC
Hesperostipa spartea	Porcupine grass	Herbaceous Layer	P-GRASS	6	10880	
Koeleria macrantha	June grass	Herbaceous Layer	P-GRASS	7	3200000	
Liatris punctata	Dotted blazing star	Herbaceous Layer	P-FORB	8	112000	
Lygodesmia juncea	Skeletonweed	Herbaceous Layer	P-FORB	7		
Muhlenbergia cuspidata	Plains muhly	Herbaceous Layer	P-GRASS	10	2880000	
Pascopyrum smithii	Western wheatgrass	Herbaceous Layer	P-GRASS	2	115008	
Pediomelum argophyllum	Silvery scurf-pea	Herbaceous Layer	P-FORB	5		
Pulsatilla patens multifida	Pasque flower	Herbaceous Layer	P-FORB	8	288000	
Ratibida columnifera	Long-headed coneflower	Herbaceous Layer	P-FORB	4	320000	
Rosa spp.	Wildrose	Shrub Layer	SHRUB			

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Prairie, Loess Hills Little Bluestem Dry

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Schizachyrium scoparium	Little bluestem	Herbaceous Layer, Dominant	P-GRASS	5	240000	
Sphaeralcea coccinea	Scarlet mallow	Herbaceous Layer	P-GRASS	9	500000	T
Sporobolus clandestinus	Rough rush grass	Herbaceous Layer	P-GRASS	3	480000	SC
Sporobolus cryptandrus	Sand dropseed	Herbaceous Layer	P-GRASS	3	5600080	
Sporobolus heterolepis	Prairie dropseed	Herbaceous Layer	P-GRASS	9	256000	
Symphoricarpos occidentalis	Wolfberry, buckbrush	Shrub Layer	SHRUB	0	75033	
Symphyotrichum ericoides	Heath aster, frost weed	Herbaceous Layer	P-FORB	3	3200000	
Symphyotrichum oblongifolium	Aromatic aster	Herbaceous Layer	P-FORB	10	816000	
Symphyotrichum sericeum	Silky aster	Herbaceous Layer	P-FORB	10	896000	
Yucca glauca	Soapweed	Herbaceous Layer	P-FORB	10	28800	

Prairie, Midwest Dry Gravel

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Ambrosia artemisiifolia</i>	Common ragweed	Herbaceous Layer	A-FORB	0		
<i>Ambrosia psilostachya</i>	Western ragweed	Herbaceous Layer	P-FORB	2		
<i>Amorpha canescens</i>	Lead plant	Shrub Layer	SHRUB	8	256000	
<i>Andropogon gerardii</i>	Big bluestem	Herbaceous Layer	P-GRASS	4	160000	
<i>Andropogon hallii</i>	Sand bluestem	Herbaceous Layer	P-GRASS	7	96640	SC
<i>Aristida purpurea longiseta</i>	Few-flowered aristata	Herbaceous Layer	P-GRASS	10		
<i>Artemisia campestris caudata</i>	Western sagewort	Herbaceous Layer	B-FORB	4	4000000	
<i>Artemisia frigida</i>	Prairie sagewort	Shrub Layer	SHRUB	4	4536000	SC
<i>Asclepias lanuginosa</i>	Woolly milkweed	Herbaceous Layer	P-FORB	9		T
<i>Asclepias verticillata</i>	Whorled milkweed	Herbaceous Layer	P-FORB	0	176000	
<i>Asclepias viridiflora</i>	Green milkweed	Herbaceous Layer	P-FORB	6	57600	
<i>Bouteloua curtipendula</i>	Side-oats grama	Herbaceous Layer, Dominant	P-GRASS	6	96000	
<i>Bouteloua dactyloides</i>	Buffalo grass	Herbaceous Layer	P-GRASS	7		SC
<i>Bouteloua gracilis</i>	Blue grama	Herbaceous Layer	P-GRASS	8	640000	
<i>Bouteloua hirsuta</i>	Hairy grama	Herbaceous Layer	P-GRASS	7	1120000	
<i>Brickellia eupatorioides</i>	False boneset	Herbaceous Layer	P-FORB	5	512000	
<i>Calamovilfa longifolia</i>	Prairie sandreed	Herbaceous Layer	P-GRASS	7	274000	
<i>Carex duriuscula</i>	Needleleaf sedge	Herbaceous Layer	P-SEDGE	10		
<i>Carex inops</i>	Sun Sedge	Herbaceous Layer	P-SEDGE	6		
<i>Castilleja sessiliflora</i>	Downy painted cup	Herbaceous Layer	P-FORB	10	3200000	
<i>Cirsium hillii</i>	Hill's thistle	Herbaceous Layer	P-FORB	8		SC
<i>Coreopsis palmata</i>	Tickseed, prairie coreopsis	Herbaceous Layer	P-FORB	7	160000	
<i>Dalea purpurea</i>	Purple prairie clover	Herbaceous Layer	P-FORB	8	288000	
<i>Echinacea angustifolia</i>	Purple coneflower	Herbaceous Layer	P-FORB	8	112000	
<i>Erigeron strigosus</i>	Daisy fleabane	Herbaceous Layer	P-FORB	2	250000	
<i>Gaura coccinea</i>	Scarlet gaura	Herbaceous Layer	P-FORB	7	22400	
<i>Geum triflorum</i>	Prairie smoke, purple avens	Herbaceous Layer	P-FORB	8	432000	
<i>Hedeoma hispidum</i>	Rough pennyroyal	Herbaceous Layer	A-FORB	2		
<i>Hesperostipa comata</i>	Needle-and-thread	Herbaceous Layer	P-GRASS	7	256000	SC
<i>Hesperostipa spartea</i>	Porcupine grass	Herbaceous Layer, Dominant	P-GRASS	6	10880	
<i>Koeleria macrantha</i>	June grass	Herbaceous Layer	P-GRASS	7	3200000	
<i>Liatris cylindracea</i>	Blazing star	Herbaceous Layer	P-FORB	10	224000	
<i>Liatris punctata</i>	Dotted blazing star	Herbaceous Layer	P-FORB	8	112000	

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SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Lithospermum incisum	Fringed puccoon	Herbaceous Layer	P-FORB	5		
Lygodesmia juncea	Skeletonweed	Herbaceous Layer	P-FORB	7		
Minuartia michauxii	Rock sandwort	Herbaceous Layer	P-FORB	10	3840000	SC
Muhlenbergia cuspidata	Plains muhly	Herbaceous Layer	P-GRASS	10	2880000	
Oligoneuron album	Stiff aster	Herbaceous Layer	P-FORB	9	1024000	
Pascopyrum smithii	Western wheatgrass	Herbaceous Layer	P-GRASS	2	115008	
Physalis heterophylla	Ground cherry	Herbaceous Layer	P-FORB	2		
Pulsatilla patens multifida	Pasque flower	Herbaceous Layer	P-FORB	8	288000	
Ratibida columnifera	Long-headed coneflower	Herbaceous Layer	P-FORB	4	320000	
Rosa spp.	Wildrose	Shrub Layer	SHRUB			
Schizachyrium scoparium	Little bluestem	Herbaceous Layer, Dominant	P-GRASS	5	240000	
Sorghastrum nutans	Indian grass	Herbaceous Layer, Dominant	P-GRASS	4	192000	
Sphaeralcea coccinea	Scarlet mallow	Herbaceous Layer	P-GRASS	9	500000	T
Sporobolus clandestinus	Rough rush grass	Herbaceous Layer	P-GRASS	3	480000	SC
Sporobolus cryptandrus	Sand dropseed	Herbaceous Layer	P-GRASS	3	5600080	
Sporobolus heterolepis	Prairie dropseed	Herbaceous Layer, Dominant	P-GRASS	9	256000	
Symphoricarpos occidentalis	Wolfberry, buckbrush	Shrub Layer	SHRUB	0	75033	
Symphyotrichum ericoides	Heath aster, frost weed	Herbaceous Layer	P-FORB	3	3200000	
Symphyotrichum oblongifolium	Aromatic aster	Herbaceous Layer	P-FORB	10	816000	
Verbena stricta	Hoary vervain	Herbaceous Layer	P-FORB	1	448000	
Yucca glauca	Soapweed	Herbaceous Layer	P-FORB	10	28800	

Prairie, Midwest Dry Sand

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Ambrosia psilostachya</i>	Western ragweed	Herbaceous Layer	P-FORB	2		
<i>Antennaria plantaginifolia</i>	Ladies'-tobacco	Herbaceous Layer	P-FORB	2	4400000	
<i>Artemisia frigida</i>	Prairie sagewort	Herbaceous Layer	SHRUB	4	4536000	SC
<i>Asclepias verticillata</i>	Whorled milkweed	Herbaceous Layer	P-FORB	0	176000	
<i>Bouteloua hirsuta</i>	Hairy grama	Herbaceous Layer	P-GRASS	7	1120000	
<i>Calamovilfa longifolia</i>	Prairie sandreed	Herbaceous Layer	P-GRASS	7	274000	
<i>Carex muehlenbergii</i>	Sand bracted sedge	Herbaceous Layer	P-SEDGE	5	192000	
<i>Carex pensylvanica</i>	Pennsylvania oak sedge	Herbaceous Layer, Dominant	P-SEDGE	6	480000	
<i>Cyperus lupulinus</i>	Slender flatsedge	Herbaceous Layer	A-SEDGE	8	464000	
<i>Cyperus schweinitzii</i>	Rough sandsedge	Herbaceous Layer	P-SEDGE	5	368000	
<i>Danthonia spicata</i>	Poverty oat grass	Herbaceous Layer, Dominant	P-GRASS	5	400000	
<i>Dichanthelium acuminatum</i>	Panic grass	Herbaceous Layer	P-GRASS	3		
<i>Digitaria cognata</i>	Fall witchgrass	Herbaceous Layer	P-GRASS	5		
<i>Euphorbia corollata</i>	Flowering spurge	Herbaceous Layer	P-FORB	3	128000	
<i>Hesperostipa spartea</i>	Porcupine grass	Herbaceous Layer, Dominant	P-GRASS	6	10880	
<i>Hieracium longipilum</i>	Hawkweed	Herbaceous Layer	P-FORB	4		
<i>Hudsonia tomentosa</i>	False heather	Herbaceous Layer	SHRUB	10		E
<i>Koeleria macrantha</i>	June grass	Herbaceous Layer, Dominant	P-GRASS	7	3200000	
<i>Lechea tenuifolia</i>	Slender-leaved pinweed	Herbaceous Layer	P-FORB	7		
<i>Lespedeza capitata</i>	Round-headed bush clover	Herbaceous Layer	P-FORB	3	128000	
<i>Liatris aspera</i>	Blazing star	Herbaceous Layer	P-FORB	8	256000	
<i>Liatris cylindracea</i>	Blazing star	Herbaceous Layer	P-FORB	10	224000	
<i>Linaria canadensis</i>	Toadflax	Herbaceous Layer	A-FORB	4		
<i>Lithospermum canescens</i>	Hoary puccoon	Herbaceous Layer	P-FORB	7		
<i>Lithospermum caroliniense</i>	Hairy puccoon	Herbaceous Layer	P-FORB	6		
<i>Lupinus perennis</i>	Wild lupine	Herbaceous Layer	P-FORB	10	17600	T
<i>Oenothera rhombipetala</i>	Sand primrose	Herbaceous Layer	B-FORB	8	1600000	
<i>Opuntia humifusa</i>	Eastern prickly pear	Herbaceous Layer	SHRUB	8	22400	
<i>Packera plattensis</i>	Prairie ragwort	Herbaceous Layer	P-FORB	3	160000	
<i>Penstemon grandiflorus</i>	Large-flowered beardtongue	Herbaceous Layer	P-FORB	5	224000	
<i>Polygala polygama obtusata</i>	Purple milkwort	Herbaceous Layer	B-FORB	10		E
<i>Pseudognaphalium obtusifolium</i>	Everlasting	Herbaceous Layer	B-FORB	1	8000000	
<i>Schizachyrium scoparium</i>	Little bluestem	Herbaceous Layer, Dominant	P-GRASS	5	240000	

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SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Solidago nemoralis	Field goldenrod	Herbaceous Layer	P-FORB	4	4800000	
Sporobolus cryptandrus	Sand dropseed	Herbaceous Layer	P-GRASS	3	5600080	
Tephrosia virginiana	Goat's-rue	Herbaceous Layer	P-FORB	7	40000	
Viola pedata	Bird's-foot violet	Herbaceous Layer	P-FORB	8	416000	

Prairie, Midwest Dry-Mesic

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Amorpha canescens</i>	Lead plant	Shrub Layer	SHRUB	8	256000	
<i>Andropogon gerardii</i>	Big bluestem	Herbaceous Layer	P-GRASS	4	160000	
<i>Baptisia australis</i>	Blue wild indigo	Herbaceous Layer	P-FORB	*	24000	SC
<i>Bouteloua curtipendula</i>	Side-oats grama	Herbaceous Layer	P-GRASS	6	96000	
<i>Bouteloua hirsuta</i>	Hairy grama	Herbaceous Layer	P-GRASS	7	1120000	
<i>Carex</i> spp.	True Sedges	Herbaceous Layer	P-SEDGE			
<i>Danthonia spicata</i>	Poverty oat grass	Herbaceous Layer	P-GRASS	5	400000	
<i>Echinacea pallida</i>	Pale coneflower	Herbaceous Layer	P-FORB	7	83200	
<i>Helianthus</i> spp.	Sunflower	Herbaceous Layer				
<i>Hesperostipa spartea</i>	Porcupine grass	Herbaceous Layer, Dominant	P-GRASS	6	10880	
<i>Lespedeza capitata</i>	Round-headed bush clover	Herbaceous Layer	P-FORB	3	128000	
<i>Lithospermum canescens</i>	Hoary puccoon	Herbaceous Layer	P-FORB	7		
<i>Panicum virgatum</i>	Switchgrass	Herbaceous Layer	A-GRASS	5	224000	
<i>Potentilla arguta</i>	Prairie cinquefoil	Herbaceous Layer	P-FORB	8	3680000	
<i>Ratibida pinnata</i>	Gray-headed coneflower	Herbaceous Layer	P-FORB	4	672000	
<i>Schizachyrium scoparium</i>	Little bluestem	Herbaceous Layer, Dominant	P-GRASS	5	240000	
<i>Solidago nemoralis</i>	Field goldenrod	Herbaceous Layer	P-FORB	4	4800000	
<i>Sorghastrum nutans</i>	Indian grass	Herbaceous Layer, Dominant	P-GRASS	4	192000	
<i>Sporobolus clandestinus</i>	Rough rush grass	Herbaceous Layer	P-GRASS	3	480000	SC
<i>Sporobolus heterolepis</i>	Prairie dropseed	Herbaceous Layer	P-GRASS	9	256000	
<i>Stenaria nigricans</i>	Narrow-leaved bluets	Herbaceous Layer	P-FORB	7		
<i>Symphotrichum ericoides</i>	Heath aster, frost weed	Herbaceous Layer	P-FORB	3	3200000	

Prairie, Northern Little Bluestem Gravel

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Ambrosia psilostachya</i>	Western ragweed	Herbaceous Layer	P-FORB	2		
<i>Amorpha canescens</i>	Lead plant	Shrub Layer	SHRUB	8	256000	
<i>Andropogon gerardii</i>	Big bluestem	Herbaceous Layer	P-GRASS	4	160000	
<i>Andropogon hallii</i>	Sand bluestem	Herbaceous Layer	P-GRASS	7	96640	SC
<i>Aristida purpurea longiseta</i>	Few-flowered aristata	Herbaceous Layer	P-GRASS	10		
<i>Artemisia frigida</i>	Prairie sagewort	Shrub Layer	SHRUB	4	4536000	SC
<i>Astragalus laxmannii robustior</i>	Standing milk vetch	Herbaceous Layer	P-FORB	7		SC
<i>Bouteloua curtipendula</i>	Side-oats grama	Herbaceous Layer, Dominant	P-GRASS	6	96000	
<i>Bouteloua dactyloides</i>	Buffalo grass	Herbaceous Layer	P-GRASS	7		SC
<i>Bouteloua gracilis</i>	Blue grama	Herbaceous Layer, Dominant	P-GRASS	8	640000	
<i>Bouteloua hirsuta</i>	Hairy grama	Herbaceous Layer	P-GRASS	7	1120000	
<i>Calamovilfa longifolia</i>	Prairie sandreed	Herbaceous Layer	P-GRASS	7	274000	
<i>Carex duriuscula</i>	Needleleaf sedge	Herbaceous Layer	P-SEDGE	10		
<i>Carex inops</i>	Sun Sedge	Herbaceous Layer	P-SEDGE	6		
<i>Dalea purpurea</i>	Purple prairie clover	Herbaceous Layer	P-FORB	8	288000	
<i>Echinacea angustifolia</i>	Purple coneflower	Herbaceous Layer	P-FORB	8	112000	
<i>Gaura coccinea</i>	Scarlet gaura	Herbaceous Layer	P-FORB	7	22400	
<i>Hesperostipa comata</i>	Needle-and-thread	Herbaceous Layer	P-GRASS	7	256000	SC
<i>Hesperostipa spartea</i>	Porcupine grass	Herbaceous Layer, Dominant	P-GRASS	6	10880	
<i>Koeleria macrantha</i>	June grass	Herbaceous Layer	P-GRASS	7	320000	
<i>Liatis punctata</i>	Dotted blazing star	Herbaceous Layer	P-FORB	8	112000	
<i>Lygodesmia juncea</i>	Skeletonweed	Herbaceous Layer	P-FORB	7		
Moss spp.	Moss	Herbaceous Layer				
<i>Muhlenbergia cuspidata</i>	Plains muhly	Herbaceous Layer	P-GRASS	10	2880000	
<i>Pascopyrum smithii</i>	Western wheatgrass	Herbaceous Layer	P-GRASS	2	115008	
<i>Potentilla pensylvanica</i>	Gray cinquefoil	Herbaceous Layer	P-FORB	9		T
<i>Ratibida columnifera</i>	Long-headed coneflower	Herbaceous Layer	P-FORB	4	320000	
<i>Rosa arkansana suffulta</i>	Sunshine rose	Shrub Layer	SHRUB	4	40000	
<i>Rosa</i> spp.	Wildrose	Shrub Layer	SHRUB			
<i>Schizachyrium scoparium</i>	Little bluestem	Herbaceous Layer, Dominant	P-GRASS	5	240000	
<i>Solidago missouriensis</i>	Missouri goldenrod	Herbaceous Layer	P-FORB	5	1998238	
<i>Sphaeralcea coccinea</i>	Scarlet mallow	Herbaceous Layer	P-GRASS	9	500000	T
<i>Sporobolus clandestinus</i>	Rough rush grass	Herbaceous Layer	P-GRASS	3	480000	SC

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SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Sporobolus cryptandrus	Sand dropseed	Herbaceous Layer	P-GRASS	3	5600080	
Sporobolus heterolepis	Prairie dropseed	Herbaceous Layer	P-GRASS	9	256000	
Symphoricarpos occidentalis	Wolfberry, buckbrush	Shrub Layer	SHRUB	0	75033	
Symphyotrichum ericoides	Heath aster, frost weed	Herbaceous Layer	P-FORB	3	3200000	
Symphyotrichum oblongifolium	Aromatic aster	Herbaceous Layer	P-FORB	10	816000	
Yucca glauca	Soapweed	Shrub Layer	P-FORB	10	28800	

Prairie, Northern Mesic Tallgrass						
SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Amorpha canescens</i>	Lead plant	Shrub Layer	SHRUB	8	256000	
<i>Andropogon gerardii</i>	Big bluestem	Herbaceous Layer, Dominant	P-GRASS	4	160000	
<i>Bouteloua curtipendula</i>	Side-oats grama	Herbaceous Layer	P-GRASS	6	96000	
<i>Echinacea pallida</i>	Pale coneflower	Herbaceous Layer	P-FORB	7	83200	
<i>Galium boreale</i>	Northern bedstraw	Herbaceous Layer	P-FORB	7	1120000	
<i>Helianthus grosseserratus</i>	Saw-tooth sunflower	Herbaceous Layer	P-FORB	4	240000	
<i>Hesperostipa spartea</i>	Porcupine grass	Herbaceous Layer, Dominant	P-GRASS	6	10880	
<i>Koeleria macrantha</i>	June grass	Herbaceous Layer	P-GRASS	7	3200000	
<i>Liatris pycnostachya</i>	Prairie blazing star	Herbaceous Layer	P-FORB	6	176000	
<i>Opuntia humifusa</i>	Eastern prickly pear	Herbaceous Layer	SHRUB	8	22400	
<i>Oxalis violacea</i>	Violet wood sorrel	Herbaceous Layer	P-FORB	7	800000	
<i>Panicum virgatum</i>	Switchgrass	Herbaceous Layer	A-GRASS	5	224000	
<i>Pascopyrum smithii</i>	Western wheatgrass	Herbaceous Layer	P-GRASS	2	115008	
<i>Phemeranthus parviflorus</i>	Prairie fameflower	Herbaceous Layer	P-FORB	10		T
<i>Phlox pilosa</i>	Prairie phlox	Herbaceous Layer	P-FORB	7	304000	
<i>Prenanthes aspera</i>	Rough white lettuce	Herbaceous Layer	P-FORB	9	224000	
<i>Quercus macrocarpa</i>	Bur oak	Canopy, Associate	TREE	4	64	
<i>Ratibida pinnata</i>	Gray-headed coneflower	Herbaceous Layer	P-FORB	4	672000	
<i>Rhus</i> spp.	Sumac	Shrub Layer				
<i>Schedonnardus paniculatus</i>	Tumblegrass	Herbaceous Layer	P-GRASS	0		SC
<i>Schizachyrium scoparium</i>	Little bluestem	Herbaceous Layer	P-GRASS	5	240000	
<i>Selaginella rupestris</i>	Rock spikemoss	Herbaceous Layer	FERN	6		SC
<i>Silphium laciniatum</i>	Compass plant	Herbaceous Layer	P-FORB	7	19200	
<i>Solidago canadensis</i>	Tall goldenrod	Herbaceous Layer	P-FORB	0	4600000	
<i>Solidago</i> spp.	Goldenrod	Herbaceous Layer				
<i>Sorghastrum nutans</i>	Indian grass	Herbaceous Layer, Dominant	P-GRASS	4	192000	
<i>Sporobolus heterolepis</i>	Prairie dropseed	Herbaceous Layer, Dominant	P-GRASS	9	256000	
<i>Symphoricarpos occidentalis</i>	Wolfberry, buckbrush	Shrub Layer	SHRUB	0	75033	
<i>Symphotrichum ericoides</i>	Heath aster, frost weed	Herbaceous Layer	P-FORB	3	3200000	

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Prairie, Northern Wet-Mesic Tallgrass

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Andropogon gerardii	Big bluestem	Herbaceous Layer, Dominant	P-GRASS	4	160000	
Calamagrostis canadensis	Bluejoint	Herbaceous Layer, Dominant	P-GRASS	5	4480000	
Calamagrostis stricta	Northern reed grass	Herbaceous Layer, Dominant	P-GRASS	7		
Carex spp.	True Sedges	Herbaceous Layer	P-SEDGE			
Elymus canadensis	Canada wild rye	Herbaceous Layer	P-GRASS	5	83200	
Helianthus grosseserratus	Saw-tooth sunflower	Herbaceous Layer	P-FORB	4	240000	
Lysimachia quadriflora	Narrow-leaved loosestrife	Herbaceous Layer	P-FORB	7	1440000	
Panicum virgatum	Switchgrass	Herbaceous Layer, Dominant	A-GRASS	5	224000	
Pascopyrum smithii	Western wheatgrass	Herbaceous Layer	P-GRASS	2	115008	
Pycnanthemum virginianum	Common mountain mint	Herbaceous Layer	P-FORB	4	3520000	
Ratibida columnifera	Long-headed coneflower	Herbaceous Layer	P-FORB	4	320000	
Ratibida pinnata	Gray-headed coneflower	Herbaceous Layer	P-FORB	4	672000	
Schizachyrium scoparium	Little bluestem	Herbaceous Layer	P-GRASS	5	240000	
Spartina pectinata	Slough grass, cord grass	Herbaceous Layer, Dominant	P-GRASS	4	105600	
Thalictrum dasycarpum	Purple meadow-rue	Herbaceous Layer	P-FORB	4	176000	
Zizia aurea	Golden Alexander's	Herbaceous Layer	P-FORB	6	176000	

Sedge Meadow, Central Midwest

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Anemone canadensis	Canada anemone	Herbaceous Layer	P-FORB	2	128000	
Apocynum cannabinum	Indian hemp	Herbaceous Layer	P-FORB	1	500000	
Calamagrostis stricta	Northern reed grass	Herbaceous Layer	P-GRASS	7		
Carex buxbaumii	Dark-scaled sedge	Herbaceous Layer	P-SEDGE	8		
Carex cristatella	Crested oval sedge	Herbaceous Layer, Dominant	P-SEDGE	5	928000	
Carex molesta	Field oval sedge	Herbaceous Layer, Dominant	P-SEDGE	2	400000	
Carex pellita	Woolly sedge	Herbaceous Layer, Dominant	P-SEDGE	4	448000	
Carex sartwellii	Running marsh sedge	Herbaceous Layer	P-SEDGE	7		
Carex stipata	Common fox sedge	Herbaceous Layer, Dominant	P-SEDGE	5	544000	
Carex stricta	Common tussock sedge	Herbaceous Layer	P-SEDGE	6	848000	
Carex tribuloides	Awl-fruited oval sedge	Herbaceous Layer, Dominant	P-SEDGE	3	1920000	
Carex vulpinoidea	Brown fox sedge	Herbaceous Layer, Dominant	P-SEDGE	3	1600000	
Eleocharis compressa	Flatstem spikerush	Herbaceous Layer	P-SEDGE	7	900000	
Eleocharis spp.	Spikerush	Herbaceous Layer				
Juncus arcticus littoralis	Bog rush	Herbaceous Layer	P-FORB	6	3000000	
Juncus interior	Inland rush	Herbaceous Layer	P-FORB	2	44800000	
Juncus torreyi	Torrey's rush	Herbaceous Layer	P-FORB	3	25600000	
Leersia oryzoides	Rice cut-grass	Herbaceous Layer	P-GRASS	2	544000	
Lycopus americanus	Water horehound	Herbaceous Layer	P-FORB	4	2080000	
Lythrum alatum	Winged loosestrife	Herbaceous Layer	P-FORB	3	48000000	
Mentha arvensis	Wild mint	Herbaceous Layer	P-FORB	4	4800000	
Polygonum amphibium emersum	Water smartweed	Herbaceous Layer	P-FORB	3	125000	
Prunella vulgaris lanceolata	Self heal	Herbaceous Layer	P-FORB	0	668000	
Schoenoplectus acutus	Hard-stemmed bulrush	Herbaceous Layer	P-SEDGE	4	206400	
Schoenoplectus americanus/pungens	Threesquare	Herbaceous Layer	P-SEDGE	7	192000	
Scirpus atrovirens	Dark green bulrush	Herbaceous Layer	P-SEDGE	1	7360000	
Scirpus pallidus	Pale bulrush	Herbaceous Layer	P-SEDGE	10		
Symphotrichum lanceolatum	Panicked aster	Herbaceous Layer	P-FORB	4	700000	
Verbena hastata	Blue vervain	Herbaceous Layer	P-FORB	3	1488000	

Seep, Great Plains Neutral

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Berula erecta incisum</i>	Water parsnip	Herbaceous Layer	P-FORB	8		T
<i>Carex hystericina</i>	Porcupine sedge	Herbaceous Layer	P-SEDGE	5	480000	
<i>Carex pellita</i>	Wooly sedge	Herbaceous Layer	P-SEDGE	4	448000	
<i>Carex</i> spp.	True Sedges	Herbaceous Layer	P-SEDGE			
<i>Eloдея canadensis</i>	Common waterweed	Submergent	P-FORB	10		
<i>Epilobium</i> spp.	Willowherb	Herbaceous Layer				
<i>Equisetum hyemale affine</i>	Common scouring-rush	Herbaceous Layer	FERN	1		
<i>Eupatorium perfoliatum</i>	Boneset	Herbaceous Layer	P-FORB	6	2560000	
<i>Glyceria striata</i>	Fowl manna grass	Herbaceous Layer	P-GRASS	5	2560000	
<i>Impatiens capensis</i>	Spotted touch-me-not	Herbaceous Layer	A-FORB	3	64000	
<i>Impatiens</i> spp.	Touch-me-not	Herbaceous Layer				
<i>Mimulus glabratus jamesii</i>	Yellow monkey flower	Herbaceous Layer	P-FORB	8		T
<i>Pilea fontana</i>	Bog clearweed	Herbaceous Layer	A-FORB	5		
<i>Potamogeton foliosus</i>	Leafy pondweed	Floating-Leaved	P-FORB	7		
<i>Ranunculus longirostris</i>	White water crowfoot	Submergent	P-FORB	7	25000	
<i>Salix</i> spp.	Willow	Shrub Layer	SHRUB			
<i>Schoenoplectus acutus</i>	Hard-stemmed bulrush	Herbaceous Layer	P-SEDGE	4	206400	
<i>Schoenoplectus americanus/pungens</i>	Threesquare	Herbaceous Layer	P-SEDGE	7	192000	
<i>Schoenoplectus tabernaemontani</i>	Soft-stemmed bulrush	Herbaceous Layer	P-SEDGE	3	496000	
<i>Scirpus</i> or <i>Schoenoplectus</i> spp.	Bulrush	Herbaceous Layer	P-SEDGE			
<i>Scirpus pallidus</i>	Pale bulrush	Herbaceous Layer	P-SEDGE	10		
<i>Sparganium eurycarpum</i>	Common bur reed	Herbaceous Layer	P-FORB	6	8000	
<i>Typha latifolia</i>	Common cattail	Herbaceous Layer, Dominant	P-FORB	1		
<i>Veronica americana</i>	American brookline	Herbaceous Layer	P-FORB	10	300000	SC

Slope, Algific Talus

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Abies balsamea</i>	Balsam fir	Canopy, Associate	TREE	9	59840	SC
<i>Acer spicatum</i>	Mountain maple	Canopy, Associate	TREE	10	22720	SC
<i>Aconitum noveboracense</i>	Northern wild monkshood	Herbaceous Layer	P-FORB	10		T
<i>Adoxa moschatellina</i>	Moschatel	Herbaceous Layer	P-FORB	10		SC
<i>Betula papyrifera</i>	Paper birch, canoe birch	Canopy, Associate	TREE	6	1380800	
<i>Carex media</i>	Intermediate sedge	Herbaceous Layer	P-SEDGE	10		SC
<i>Chrysosplenium iowense</i>	Golden saxifrage	Herbaceous Layer	P-FORB	10		T
<i>Circaea alpina</i>	Enchanter's nightshade	Herbaceous Layer	P-FORB	10	900000	
<i>Cornus canadensis</i>	Bunchberry, dwarf cornel	Shrub Layer	SHRUB	10	69430	T
<i>Cystopteris bulbifera</i>	Bulblet bladder fern	Herbaceous Layer	FERN	10		
<i>Fraxinus nigra</i> *	Black ash	Canopy, Associate	TREE	9	11360	
<i>Impatiens pallida</i>	Pale touch-me-not, jewel weed	Herbaceous Layer	A-FORB	5	25600	
<i>Maianthemum canadense</i>	Canada mayflower	Herbaceous Layer	P-FORB	8		
<i>Mertensia paniculata</i>	Tall bluebells	Herbaceous Layer	P-FORB	10		E
<i>Mitella nuda</i>	Small Bishop's cap	Herbaceous Layer	P-FORB	10		SC
<i>Rhamnus alnifolia</i>	Alder buckthorn	Shrub Layer	SHRUB	10	65500	SC

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Talus, Midwest Limestone - Dolostone

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Adiantum pedatum	Northern maidenhair fern	Herbaceous Layer	FERN	7		
Ageratina altissima	White snakeroot	Herbaceous Layer	P-FORB	2	2400000	
Aralia nudicaulis	Wild sarsaparilla	Shrub Layer	SHRUB	8	99000	
Asplenium rhizophyllum	Walking fern	Herbaceous Layer	FERN	9		
Cystopteris bulbifera	Bulblet bladder fern	Herbaceous Layer	FERN	10		
Diplazium pycnocarpon	Narrow-leaved spleenwort	Herbaceous Layer	FERN	10		
Impatiens capensis	Spotted touch-me-not	Herbaceous Layer	A-FORB	3	64000	
Pilea pumila	Clearweed	Herbaceous Layer	A-FORB	3		
Polymnia canadensis	Leafcup	Herbaceous Layer	P-FORB	5		
Staphylea trifolia	Bladdernut	Canopy, Associate	SHRUB	7	6800	
Toxicodendron radicans	Poison ivy	Vine Component	W-VINE	0		

Wet Meadow, Awned Sedge

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Alisma subcordatum	Water plantain	Herbaceous Layer	P-FORB	3	825000	
Calamagrostis canadensis	Bluejoint	Herbaceous Layer	P-GRASS	5	4480000	
Carex aquatilis	Water sedge	Herbaceous Layer	P-SEDGE	7		
Carex atherodes	Hairy-leaved lake sedge	Herbaceous Layer, Dominant	P-SEDGE	8	464000	
Carex lasiocarpa	Woollyfruit Sedge	Herbaceous Layer	P-SEDGE	10	224000	
Eleocharis palustris	Marsh spikerush	Herbaceous Layer	P-SEDGE	6	816000	
Glyceria grandis	American manna grass	Herbaceous Layer	P-GRASS	6	1280000	
Mentha arvensis	Wild mint	Herbaceous Layer	P-FORB	4	4800000	
Polygonum amphibium emersum	Water smartweed	Herbaceous Layer	P-FORB	3	125000	
Salix spp.	Willow	Shrub Layer	SHRUB			
Schoenoplectus fluviatilis	River bulrush	Herbaceous Layer	P-SEDGE	5	68800	
Scolochloa festucacea	Whitetop	Herbaceous Layer	P-GRASS	8	175000	
Sium suave	Water parsnip	Herbaceous Layer	P-FORB	8		
Sparganium eurycarpum	Common bur reed	Herbaceous Layer	P-FORB	6	8000	
Spartina pectinata	Slough grass, cord grass	Herbaceous Layer	P-GRASS	4	105600	
Symphotrichum lanceolatum	Panicled aster	Herbaceous Layer	P-FORB	4	700000	

Wet Meadow, Bluejoint - Woolly Sedge

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Anemone canadensis	Canada anemone	Herbaceous Layer	P-FORB	2	128000	
Apocynum cannabinum	Indian hemp	Herbaceous Layer	P-FORB	1	500000	
Calamagrostis stricta	Northern reed grass	Herbaceous Layer, Dominant	P-GRASS	7		
Carex buxbaumii	Dark-scaled sedge	Herbaceous Layer	P-SEDGE	8		
Carex pellita	Woolly sedge	Herbaceous Layer, Dominant	P-SEDGE	4	448000	
Carex sartwellii	Running marsh sedge	Herbaceous Layer, Dominant	P-SEDGE	7		
Eleocharis compressa	Flatstem spikerush	Herbaceous Layer, Dominant	P-SEDGE	7	900000	
Juncus arcticus littoralis	Bog rush	Herbaceous Layer, Dominant	P-FORB	6	3000000	
Mentha arvensis	Wild mint	Herbaceous Layer	P-FORB	4	4800000	
Polygonum amphibium emersum	Water smartweed	Herbaceous Layer	P-FORB	3	125000	
Prunella vulgaris lanceolata	Self heal	Herbaceous Layer	P-FORB	0	668000	
Schoenoplectus acutus	Hard-stemmed bulrush	Herbaceous Layer	P-SEDGE	4	206400	
Schoenoplectus americanus/pungens	Threesquare	Herbaceous Layer	P-SEDGE	7	192000	
Symphyotrichum lanceolatum	Panicled aster	Herbaceous Layer, Dominant	P-FORB	4	700000	

Wet Meadow, Lake Sedge

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Calamagrostis canadensis</i>	Bluejoint	Herbaceous Layer	P-GRASS	5	4480000	
<i>Carex hyalinolepis</i>	Southern lake sedge	Herbaceous Layer	P-SEDGE	5		
<i>Carex lacustris</i>	Common lake sedge	Herbaceous Layer, Dominant	P-SEDGE	7	512000	
<i>Carex stricta</i>	Common tussock sedge	Herbaceous Layer	P-SEDGE	6	848000	
<i>Doellingeria umbellata</i>	Flat-topped aster, white aster	Herbaceous Layer	P-FORB	6	1072000	SC
<i>Eupatorium maculatum</i>	Spotted Joe-pye-weed	Herbaceous Layer	P-FORB	5	1520000	
<i>Impatiens capensis</i>	Spotted touch-me-not	Herbaceous Layer	A-FORB	3	64000	
<i>Muhlenbergia glomerata</i>	Marsh wild Timothy	Herbaceous Layer	P-GRASS	10	3600000	
<i>Polygonum sagittatum</i>	Tearthumb	Herbaceous Layer	A-FORB	4	125000	
<i>Sagittaria</i> spp.	Arrowheads	Herbaceous Layer				
<i>Salix petiolaris</i>	Meadow willow	Shrub Layer	SHRUB	8		
<i>Salix</i> spp.	Willow	Shrub Layer	SHRUB			
<i>Solidago canadensis</i>	Tall goldenrod	Herbaceous Layer	P-FORB	0	4600000	
<i>Typha latifolia</i>	Common cattail	Herbaceous Layer	P-FORB	1		
<i>Verbena hastata</i>	Blue vervain	Herbaceous Layer	P-FORB	3	1488000	

Wet Meadow, Northern Sedge

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Acorus calamus	Sweetflag	Herbaceous Layer	P-FORB	8	105600	
Calamagrostis canadensis	Bluejoint	Herbaceous Layer	P-GRASS	5	4480000	
Campanula aparinoides	Marsh bellflower	Herbaceous Layer	P-FORB	10	700000	
Carex aquatilis	Water sedge	Herbaceous Layer, Dominant	P-SEDGE	7		
Carex atherodes	Hairy-leaved lake sedge	Herbaceous Layer	P-SEDGE	8	464000	
Carex lacustris	Common lake sedge	Herbaceous Layer, Dominant	P-SEDGE	7	512000	
Carex lasiocarpa	Woollyfruit Sedge	Herbaceous Layer, Dominant	P-SEDGE	10	224000	
Carex rostrata	Northwest Territory sedge	Herbaceous Layer, Dominant	P-SEDGE	8	160000	
Carex stricta	Common tussock sedge	Herbaceous Layer, Dominant	P-SEDGE	6	848000	
Carex vesicaria	Tufted lake sedge	Herbaceous Layer, Dominant	P-SEDGE	7	192000	
Comarum palustre	Marsh cinquefoil	Herbaceous Layer	P-FORB	9	115200	
Eleocharis palustris	Marsh spikerush	Herbaceous Layer	P-SEDGE	6	816000	
Epilobium ciliatum	Northern willow herb	Herbaceous Layer	P-FORB	3	960000	
Equisetum arvense	Common horsetail	Herbaceous Layer	FERN	0		
Equisetum fluviatile	Swamp horsetail	Herbaceous Layer	FERN	8		
Eupatorium maculatum	Spotted Joe-pye-weed	Herbaceous Layer	P-FORB	5	1520000	
Glyceria striata	Fowl manna grass	Herbaceous Layer	P-GRASS	5	2560000	
Iris shrevei	Blue flag	Herbaceous Layer	P-FORB	6	16000	
Juncus arcticus littoralis	Bog rush	Herbaceous Layer	P-FORB	6	3000000	
Lycopus uniflorus	Northern bugleweed	Herbaceous Layer	P-FORB	7		
Poa palustris	Foul meadow grass	Herbaceous Layer	P-GRASS	5	2080000	
Polygonum amphibium emersum	Water smartweed	Herbaceous Layer	P-FORB	3	125000	
Ranunculus gmelinii hookeri	Small yellow water-crowfoot	Herbaceous Layer	P-FORB	10		SC
Scirpus atrovirens	Dark green bulrush	Herbaceous Layer	P-SEDGE	1	7360000	
Scirpus cyperinus	Wooly bulrush	Herbaceous Layer	P-SEDGE	4	27200000	
Solidago uliginosa	Swamp goldenrod	Herbaceous Layer	P-FORB	10	2080000	E
Symphyotrichum lanceolatum	Panicked aster	Herbaceous Layer	P-FORB	4	700000	
Symphyotrichum puniceum	Swamp aster	Herbaceous Layer	P-FORB	5	1280000	

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Wet Meadow, Tussock Sedge

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Anemone canadensis	Canada anemone	Herbaceous Layer	P-FORB	2	128000	
Angelica atropurpurea	Angelica	Herbaceous Layer	P-FORB	5	86400	SC
Asclepias incarnata	Swamp milkweed	Herbaceous Layer	P-FORB	4	76800	
Calamagrostis canadensis	Bluejoint	Herbaceous Layer, Dominant	P-GRASS	5	4480000	
Carex aquatilis	Water sedge	Herbaceous Layer	P-SEDGE	7		
Carex bebbii	Bebb's oval sedge	Herbaceous Layer	P-SEDGE	8	544000	
Carex lacustris	Common lake sedge	Herbaceous Layer	P-SEDGE	7	512000	
Carex pellita	Wooly sedge	Herbaceous Layer	P-SEDGE	4	448000	
Carex stricta	Common tussock sedge	Herbaceous Layer, Dominant	P-SEDGE	6	848000	
Eleocharis spp.	Spikerush	Herbaceous Layer				
Equisetum arvense	Common horsetail	Herbaceous Layer	FERN	0		
Eupatorium maculatum	Spotted Joe-pye-weed	Herbaceous Layer	P-FORB	5	1520000	
Eupatorium perfoliatum	Boneset	Herbaceous Layer	P-FORB	6	2560000	
Galium obtusum	Wild madder	Herbaceous Layer	P-FORB	7	500000	
Iris shrevei	Blue flag	Herbaceous Layer	P-FORB	6	16000	
Juncus spp.	True Rush	Herbaceous Layer				
Lycopus americanus	Water horehound	Herbaceous Layer	P-FORB	4	2080000	
Solidago canadensis	Tall goldenrod	Herbaceous Layer	P-FORB	0	4600000	
Symphotrichum lanceolatum	Panicled aster	Herbaceous Layer	P-FORB	4	700000	
Thalictrum dasycarpum	Purple meadow-rue	Herbaceous Layer	P-FORB	4	176000	
Thelypteris palustris	Marsh fern	Herbaceous Layer	FERN	6		
Typha latifolia	Common cattail	Herbaceous Layer	P-FORB	1		

Wet Prairie, Central Cordgrass

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Amorpha fruticosa</i>	Indigo bush, false indigo	Shrub Layer	SHRUB	5	59200	
<i>Andropogon gerardii</i>	Big bluestem	Herbaceous Layer	P-GRASS	4	160000	
<i>Asclepias incarnata</i>	Swamp milkweed	Herbaceous Layer	P-FORB	4	76800	
<i>Asclepias tuberosa</i>	Butterfly weed	Herbaceous Layer	P-FORB	6	68800	
<i>Baptisia alba</i>	White wild indigo	Herbaceous Layer	P-FORB	6	27200	
<i>Calamagrostis canadensis</i>	Bluejoint	Herbaceous Layer, Dominant	P-GRASS	5	4480000	
<i>Carex aquatilis</i>	Water sedge	Herbaceous Layer	P-SEDGE	7		
<i>Carex atherodes</i>	Hairy-leaved lake sedge	Herbaceous Layer	P-SEDGE	8	464000	
<i>Carex lacustris</i>	Common lake sedge	Herbaceous Layer	P-SEDGE	7	512000	
<i>Carex pellita</i>	Wooly sedge	Herbaceous Layer	P-SEDGE	4	448000	
<i>Carex sartwellii</i>	Running marsh sedge	Herbaceous Layer	P-SEDGE	7		
<i>Carex</i> spp.	True Sedges	Herbaceous Layer	P-SEDGE			
<i>Cephalanthus occidentalis</i>	Buttonbush	Shrub Layer	SHRUB	6		
<i>Cornus</i> spp.	Dogwood	Shrub Layer	SHRUB			
<i>Crotalaria sagittalis</i>	Rattle box	Herbaceous Layer	A-FORB	6	72000	
<i>Dichanthelium clandestinum</i>	Deertongue grass	Herbaceous Layer	P-GRASS	4	350000	
<i>Fragaria virginiana</i>	Wild strawberry	Herbaceous Layer	P-FORB	3		
<i>Galium boreale</i>	Northern bedstraw	Herbaceous Layer	P-FORB	7	1120000	
<i>Helianthus grosseserratus</i>	Saw-tooth sunflower	Herbaceous Layer	P-FORB	4	240000	
<i>Helianthus mollis</i>	Downy sunflower	Herbaceous Layer	P-FORB	6	112000	
<i>Heterotheca villosa</i>	Hairy false goldenaster	Herbaceous Layer	P-FORB	5	1120000	SC
<i>Iris shrevei</i>	Blue flag	Herbaceous Layer	P-FORB	6	16000	
<i>Leersia oryzoides</i>	Rice cut-grass	Herbaceous Layer	P-GRASS	2	544000	
<i>Liatris pycnostachya</i>	Prairie blazing star	Herbaceous Layer	P-FORB	6	176000	
<i>Lythrum alatum</i>	Winged loosestrife	Herbaceous Layer	P-FORB	3	48000000	
<i>Oxypolis rigidior</i>	Cowbane	Herbaceous Layer	P-FORB	8	233600	
<i>Panicum virgatum</i>	Switchgrass	Herbaceous Layer	A-GRASS	5	224000	
<i>Poa palustris</i>	Foul meadow grass	Herbaceous Layer	P-GRASS	5	2080000	
<i>Pycnanthemum virginianum</i>	Common mountain mint	Herbaceous Layer	P-FORB	4	3520000	
<i>Rudbeckia hirta</i>	Black-eyed Susan	Herbaceous Layer	P-FORB	2	496000	
<i>Rudbeckia subtomentosa</i>	Fragrant coneflower	Herbaceous Layer	P-FORB	4	433600	
<i>Salix</i> spp.	Willow	Shrub Layer	SHRUB			
<i>Schizachyrium scoparium</i>	Little bluestem	Herbaceous Layer	P-GRASS	5	240000	

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Wet Prairie, Central Cordgrass

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Sium suave</i>	Water parsnip	Herbaceous Layer	P-FORB	8		
<i>Solidago gigantea</i>	Smooth goldenrod	Herbaceous Layer	P-FORB	3	4000000	
<i>Sorghastrum nutans</i>	Indian grass	Herbaceous Layer	P-GRASS	4	192000	
<i>Spartina pectinata</i>	Slough grass, cord grass	Herbaceous Layer, Dominant	P-GRASS	4	105600	
<i>Spiranthes cernua</i>	Nodding ladies'-tresses	Herbaceous Layer	P-FORB	4		
<i>Stachys palustris</i>	Woundwort	Herbaceous Layer	P-FORB	4	256000	
<i>Symphyotrichum ericoides</i>	Heath aster, frost weed	Herbaceous Layer	P-FORB	3	3200000	
<i>Symphyotrichum novae-angliae</i>	New England aster	Herbaceous Layer	P-FORB	3	1056000	
<i>Thalictrum dasycarpum</i>	Purple meadow-rue	Herbaceous Layer	P-FORB	4	176000	
<i>Tripsacum dactyloides</i>	Gama grass	Herbaceous Layer	P-GRASS	3	5920	
<i>Veronicastrum virginicum</i>	Culver's root	Herbaceous Layer	P-FORB	5	12800000	
<i>Viola sagittata</i>	Arrow-leaved violet	Herbaceous Layer	P-FORB	7		

Wet Prairie, Northern Cordgrass

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Amorpha fruticosa</i>	Indigo bush, false indigo	Shrub Layer	SHRUB	5	59200	
<i>Andropogon gerardii</i>	Big bluestem	Herbaceous Layer	P-GRASS	4	160000	
<i>Apocynum cannabinum</i>	Indian hemp	Herbaceous Layer	P-FORB	1	500000	
<i>Asclepias speciosa</i>	Showy milkweed	Herbaceous Layer	P-FORB	6	72000	T
<i>Asclepias tuberosa</i>	Butterfly weed	Herbaceous Layer	P-FORB	6	68800	
<i>Baptisia alba</i>	White wild indigo	Herbaceous Layer	P-FORB	6	27200	
<i>Boltonia asteroides</i>	False aster	Herbaceous Layer, Dominant	P-FORB	5	2560000	
<i>Calamagrostis canadensis</i>	Bluejoint	Herbaceous Layer, Dominant	P-GRASS	5	4480000	
<i>Calamagrostis stricta</i>	Northern reed grass	Herbaceous Layer	P-GRASS	7		
<i>Carex aquatilis</i>	Water sedge	Herbaceous Layer, Dominant	P-SEDGE	7		
<i>Carex atherodes</i>	Hairy-leaved lake sedge	Herbaceous Layer	P-SEDGE	8	464000	
<i>Carex emoryi</i>	Riverbank sedge	Herbaceous Layer	P-SEDGE	6		
<i>Carex laeviconica</i>	Long-toothed lake sedge	Herbaceous Layer	P-SEDGE	6	192000	
<i>Carex pellita</i>	Wooly sedge	Herbaceous Layer, Dominant	P-SEDGE	4	448000	
<i>Carex praegracilis</i>	Expressway sedge	Herbaceous Layer, Dominant	P-SEDGE	5		
<i>Carex sartwellii</i>	Running marsh sedge	Herbaceous Layer, Dominant	P-SEDGE	7		
<i>Carex</i> spp.	True Sedges	Herbaceous Layer	P-SEDGE			
<i>Carex stricta</i>	Common tussock sedge	Herbaceous Layer	P-SEDGE	6	848000	
<i>Carex vulpinoidea</i>	Brown fox sedge	Herbaceous Layer	P-SEDGE	3	1600000	
<i>Cephalanthus occidentalis</i>	Buttonbush	Shrub Layer	SHRUB	6		
<i>Cornus</i> spp.	Dogwood	Shrub Layer	SHRUB			
<i>Crotalaria sagittalis</i>	Rattle box	Herbaceous Layer	A-FORB	6	72000	
<i>Dichanthelium clandestinum</i>	Deertongue grass	Herbaceous Layer	P-GRASS	4	350000	
<i>Eleocharis erythropoda</i>	Red-rooted spikerush	Herbaceous Layer	P-SEDGE	4		
<i>Epilobium ciliatum</i>	Northern willow herb	Herbaceous Layer	P-FORB	3	960000	
<i>Glycyrrhiza lepidota</i>	Wild licorice	Herbaceous Layer	P-FORB	4	62400	
<i>Helenium autumnale</i>	Sneezeweed	Herbaceous Layer	P-FORB	4	2080000	
<i>Helianthus grosseserratus</i>	Saw-tooth sunflower	Herbaceous Layer	P-FORB	4	240000	
<i>Helianthus mollis</i>	Downy sunflower	Herbaceous Layer	P-FORB	6	112000	
<i>Heterotheca villosa</i>	Hairy false goldenaster	Herbaceous Layer	P-FORB	5	1120000	SC
<i>Hierochloa odorata</i>	Holy grass	Herbaceous Layer	P-GRASS	7	320000	
<i>Hordeum jubatum</i>	Squirrel-tail barley	Herbaceous Layer	P-GRASS	0	192000	
<i>Juncus arcticus littoralis</i>	Bog rush	Herbaceous Layer	P-FORB	6	3000000	

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SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
<i>Juncus dudleyi</i>	Dudley's rush	Herbaceous Layer	P-FORB	2	51200000	
<i>Juncus torreyi</i>	Torrey's rush	Herbaceous Layer	P-FORB	3	25600000	
<i>Leersia oryzoides</i>	Rice cut-grass	Herbaceous Layer	P-GRASS	2	544000	
<i>Liatris pycnostachya</i>	Prairie blazing star	Herbaceous Layer	P-FORB	6	176000	
<i>Lythrum alatum</i>	Winged loosestrife	Herbaceous Layer	P-FORB	3	48000000	
<i>Mentha arvensis</i>	Wild mint	Herbaceous Layer	P-FORB	4	4800000	
<i>Muhlenbergia racemosa</i>	Marsh muhly	Herbaceous Layer	P-GRASS	4	1280000	
<i>Panicum virgatum</i>	Switchgrass	Herbaceous Layer	A-GRASS	5	224000	
<i>Poa palustris</i>	Foul meadow grass	Herbaceous Layer, Dominant	P-GRASS	5	2080000	
<i>Potentilla norvegica</i>	Norwegian cinquefoil	Herbaceous Layer	A-FORB	2		
<i>Pycnanthemum virginianum</i>	Common mountain mint	Herbaceous Layer	P-FORB	4	3520000	
<i>Rudbeckia hirta</i>	Black-eyed Susan	Herbaceous Layer	P-FORB	2	496000	
<i>Rudbeckia subtomentosa</i>	Fragrant coneflower	Herbaceous Layer	P-FORB	4	433600	
<i>Salix</i> spp.	Willow	Shrub Layer	SHRUB			
<i>Schizachyrium scoparium</i>	Little bluestem	Herbaceous Layer	P-GRASS	5	240000	
<i>Schoenoplectus americanus/pungens</i>	Threesquare	Herbaceous Layer	P-SEDGE	7	192000	
<i>Sorghastrum nutans</i>	Indian grass	Herbaceous Layer	P-GRASS	4	192000	
<i>Spartina pectinata</i>	Slough grass, cord grass	Herbaceous Layer, Dominant	P-GRASS	4	105600	
<i>Spiranthes cernua</i>	Nodding ladies'-tresses	Herbaceous Layer	P-FORB	4		
<i>Stachys palustris</i>	Woundwort	Herbaceous Layer	P-FORB	4	256000	
<i>Symphotrichum ericoides</i>	Heath aster, frost weed	Herbaceous Layer	P-FORB	3	3200000	
<i>Symphotrichum lanceolatum</i>	Panicled aster	Herbaceous Layer	P-FORB	4	700000	
<i>Symphotrichum novae-angliae</i>	New England aster	Herbaceous Layer	P-FORB	3	1056000	
<i>Teucrium canadense</i>	American germander	Herbaceous Layer	P-FORB	4	320000	
<i>Thalictrum dasycarpum</i>	Purple meadow-rue	Herbaceous Layer	P-FORB	4	176000	
<i>Tripsacum dactyloides</i>	Gama grass	Herbaceous Layer	P-GRASS	3	5920	
<i>Vernonia fasciculata</i>	Ironweed	Herbaceous Layer	P-FORB	1	384000	
<i>Viola sagittata</i>	Arrow-leaved violet	Herbaceous Layer	P-FORB	7		

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Wetland, American Lotus Aquatic

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Cephalanthus occidentalis	Buttonbush	Shrub Layer	SHRUB	6		
Juncus effusus	Common rush	Herbaceous Layer	P-FORB	4	16000000	SC
Lemna spp.	Duckweed	Floating-Leaved				
Nelumbo lutea	American lotus	Floating-Leaved, Dominant	P-FORB	5		
Nuphar lutea	Yellow water lily	Floating-Leaved	P-FORB	4		
Nymphaea tuberosa	White water lily	Floating-Leaved	P-FORB	4		
Pontederia cordata	Pickerel-weed	Floating-Leaved	P-FORB	7	4992	
Schoenoplectus tabernaemontani	Soft-stemmed bulrush	Herbaceous Layer	P-SEDGE	3	496000	
Spirodela polyrrhiza	Greater duckweed	Floating-Leaved	A-FORB	6		
Typha latifolia	Common cattail	Herbaceous Layer	P-FORB	1		

Wetland, Midwest Pondweed Submerged Aquatic

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Ceratophyllum demersum	Coon's tail, hornwort	Submergent, Dominant	P-FORB	0	165000	
Eleocharis acicularis	Needle spikerush	Herbaceous Layer, Dominant	P-SEDGE	3	1120000	
Elodea canadensis	Common waterweed	Submergent, Dominant	P-FORB	10		
Elodea nuttallii	Slender waterweed	Submergent	P-FORB	10		
Heteranthera dubia	Water star grass	Submergent	P-FORB	10		
Lemna spp.	Duckweed	Floating-Leaved, Dominant				
Myriophyllum pinnatum	Rough water milfoil	Submergent	P-FORB	10		SC
Myriophyllum spp.	Watermilfoil	Submergent, Dominant				
Myriophyllum verticillatum	Whorled water milfoil	Submergent, Dominant	P-FORB	10		SC
Nuphar lutea	Yellow water lily	Floating-Leaved	P-FORB	4		
Nymphaea tuberosa	White water lily	Floating-Leaved	P-FORB	4		
Potamogeton amplifolius	Large-leaved pondweed	Floating-Leaved, Dominant	P-FORB	10		SC
Potamogeton diversifolius	Water-thread pondweed	Floating-Leaved	P-FORB	10		
Potamogeton gramineus	Grass-leaved pondweed	Floating-Leaved, Dominant	P-FORB	10		
Potamogeton natans	Common pondweed	Floating-Leaved, Dominant	P-FORB	10		
Potamogeton nodosus	American pondweed	Floating-Leaved	P-FORB	7		
Potamogeton pectinata	Sago pondweed	Floating-Leaved, Dominant	P-FORB	3		
Potamogeton praelongus	White-stemmed pondweed	Floating-Leaved, Dominant	P-FORB	10		SC
Potamogeton richardsonii	Red-head pondweed	Floating-Leaved, Dominant	P-FORB	10		
Potamogeton spp.	Pondweed	Floating-Leaved, Dominant				
Potamogeton zosteriformis	Flat-stemmed pondweed	Floating-Leaved, Dominant	P-FORB	7		
Proserpinaca palustris	Mermaid weed	Herbaceous Layer	P-FORB	10		SC
Ranunculus longirostris	White water crowfoot	Floating-Leaved	P-FORB	7	25000	
Spirodela polyrrhiza	Greater duckweed	Floating-Leaved	A-FORB	6		
Utricularia vulgaris	Common bladderwort	Floating-Leaved, Dominant	P-FORB	4		
Vallisneria americana	Eel grass	Submergent, Dominant	P-FORB	10	135000	
Zizania aquatica	Wild rice	Herbaceous Layer	A-GRASS	7	11340	

Wetland, Sago Pondweed Submerged

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Carex aquatilis	Water sedge	Herbaceous Layer	P-SEDGE	7		
Carex rostrata	Northwest Territory sedge	Herbaceous Layer	P-SEDGE	8	160000	
Ceratophyllum demersum	Coon's tail, hornwort	Submergent	P-FORB	0	165000	
Potamogeton pectinata	Sago pondweed	Floating-Leaved, Dominant	P-FORB	3		
Potamogeton pusillus	Baby pondweed	Floating-Leaved	P-FORB	7		
Ruppia maritima	Widgeon grass	Submergent	P-FORB	10		SC
Zannichellia palustris	Horned pondweed	Submergent	P-FORB	10		

Wetland, Tape-grass Submerged Aquatic

SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Ceratophyllum demersum	Coon's tail, hornwort	Submergent	P-FORB	0	165000	
Elodea canadensis	Common waterweed	Submergent	P-FORB	10		
Heteranthera dubia	Water star grass	Submergent	P-FORB	10		
Potamogeton epihydrus	Ribbon-leaved pondweed	Floating-Leaved	P-FORB	10		SC
Potamogeton foliosus	Leafy pondweed	Floating-Leaved	P-FORB	7		
Potamogeton nodosus	American pondweed	Floating-Leaved	P-FORB	7		
Potamogeton pectinata	Sago pondweed	Floating-Leaved	P-FORB	3		
Utricularia spp.	Bladderwort	Floating-Leaved				
Vallisneria americana	Eel grass	Submergent, Dominant	P-FORB	10	135000	
Zizania aquatica	Wild rice	Herbaceous Layer	A-GRASS	7	11340	

Wetland, Water-lily Aquatic						
SCIENTIFIC NAME	COMMON NAME	STRATA	PHYSIOGNOMY	IA CofC	SEEDS/LB	STATE STATUS
Brasenia schreberi	Watershield	Floating-Leaved	P-FORB	9		SC
Ceratophyllum demersum	Coon's tail, hornwort	Submergent	P-FORB	0	165000	
Eleocharis spp.	Spikerush	Herbaceous Layer				
Heteranthera dubia	Water star grass	Submergent	P-FORB	10		
Nelumbo lutea	American lotus	Floating-Leaved	P-FORB	5		
Nuphar lutea	Yellow water lily	Floating-Leaved, Dominant	P-FORB	4		
Nymphaea tuberosa	White water lily	Floating-Leaved, Dominant	P-FORB	4		
Polygonum amphibium emersum	Water smartweed	Herbaceous Layer	P-FORB	3	125000	
Potamogeton amplifolius	Large-leaved pondweed	Floating-Leaved	P-FORB	10		SC
Potamogeton spp.	Pondweed	Floating-Leaved				
Utricularia spp.	Bladderwort	Floating-Leaved				