APPENDIX 1 LANDOWNER CONTACT PACKAGE

<u>Date:</u> <u>Landowner Name</u> Landowner Address

Dear Landowner

Re: Request for Access to Property for Life Science Inventory, Middlesex County Natural Heritage Study

Five Conservation Authorities and the County of Middlesex are involved in a collaborative effort to conduct a life science (biological) inventory of the natural areas found throughout Middlesex County. The purpose of the study is to identify, locate and determine the health of woodlands, wetlands and aquatic systems within Middlesex County; and to use this information in the development of the County's Official Plan.

We are writing you to request consent for access to your property at <u>Property Address</u> because it contains a natural forest or wetland feature. Site visits will be made by Conservation Authority staff throughout the summer (2001). The information that we collect about your woodlot and /or associated wetland features can be used to assist you in developing land use planning options, determining the significance of the natural features in your woodlot and in managing the natural heritage features on your property. As part of the thank-you package, all landowners who permit the Conservation Authority access to their property will receive a copy of the report summary in the winter of 2002.

While we understand that this is a very busy time for you, we would greatly appreciate your reply on the enclosed consent form (this applies whether you agree to consent or not) by <u>date</u> (or as soon as possible). If you have any information about the plants, animals or nesting birds on your property that could assist in this study, please check the appropriate space on the consent form and a representative from the Conservation Authority will contact you at your convenience. As well, I would be pleased to answer any questions you may have and can be reached at (519) 451-2800 ext. 261 between 8:15 a.m. and 4:30 p.m. If I am out of the office, please leave a message and I will return your call as soon as possible.

Thank you very much for your time.

Yours truly, UPPER THAMES RIVER CONSERVATION AUTHORITY

Tara Tchir Planning Ecologist

LANDOWNER CONSENT FORM FOR ACCESS TO PROPERTY

For the 2001 Life Science Inventory of the Middlesex County Natural Heritage Study

Please complete this form and return it in the enclosed stamped, self-addressed envelope by <u>date</u> (or as soon as possible). Thank-you very much for your assistance with this inventory study.

Permission is granted for qualified personnel, employed by the Upper Thames River Conservation Authority, to be on lands described as *Property Address* owned by *Landowner Name* between June 11th, 2001 and August 31st, 2001 for the purpose of conducting life science (biological) inventories. It is understood that Conservation Authority staff carry the necessary liability insurance for this project.

G NO (please explain):	
G I / We have records or information about property.	the plants, animals or nesting birds on my/our
Contact Person(s):	
Selephone:	
signed by:	
Date:	
<u> </u>	

Middlesex County Natural Heritage Study Project Update - Spring 2001

In 1999, the County of Middlesex asked the five Conservation Authorities with jurisdiction within its boundaries, as well as the Ministries of Natural Resources and Municipal Affairs and Housing, to participate in a coordinated natural heritage study in Middlesex County.

The County recognized the need to develop a solid information and policy basis for its woodland and wetland features, in order to fulfil the County's obligations under the Provincial Policy Statement for the protection and rehabilitation of natural heritage features and functions (Section 2.3).

The Middlesex County Natural Heritage Study has several goals:

- 1. To increase our understanding of the County's natural heritage features and systems (e.g. woodlands, wetlands and aquatic systems).
- 2. To develop land use planning information and policy that identifies, protects and enhances the County's natural heritage features and systems.
- 3. To encourage and facilitate private stewardship and public education.
- 4. To protect the relationships between plant and animal communities.

The study is a pilot project for the Carolinian Canada Big Picture Project and the Ministry of Natural Resources Ecological Land Classification System, as well as landowner outreach and stewardship approaches. The study's specific products include:

 Background for official plan policy (county and local plans)

- Baseline data for natural heritage features
- Natural heritage systems mapping
- Determining the criteria for and local definition of woodland significance
- Landowner conservation / stewardship / education tools
- Identifying possible sites for future restoration and rehabilitation projects

Project Phases

The Middlesex County Natural Heritage Study will be completed early in 2002. The information will be available for local official plan updates and for the next update of the County's official plan.

Tasks completed in 2000/2001:

- Formed multi-partner steering committee to direct the project.
- Obtained satellite imagery and completed map production.
- Prepared Development Assessment Report (DAR) guidelines and interim guidelines for woodland significance for the Township of Middlesex Centre.
- Developed landowner outreach program to provide information about conservation incentives, stewardship programs and land use planning tools.
- Developed communications program for municipal decision makers and local interest groups.

Winter 2001 tasks:

- Review, update and standardize information on natural features in Middlesex County.
- Determine the number and location of field visits needed.

Spring / Summer 2001 tasks:

- Implement the landowner outreach program.
- Collect biological information for 80 to 100 sites.
- Cross reference study results that affect bordering municipalities.
- Develop an interim natural heritage policy framework for local municipalities.

Fall 2001 / Winter 2002 tasks:

- Incorporate results into County and lower tier official plans, as well as CA land use planning advisory services.
- Make the information base available to other partners to assist in their own conservation programs.

Budget and Partners

The estimated budget for the Middlesex County Natural Heritage Study is \$105,000 over three years. This figure includes in-kind contributions but not volunteer time donated by the steering committee participants.

As of March 2001, the project partners include:

- County of Middlesex
- Middlesex Stewardship Committee
- Middlesex County Conservation
 Authorities (Ausable Bayfield, St. Clair
 Region, Lower Thames Valley, Kettle
 Creek and Upper Thames River)
- City of London
- Carolinian Canada
- Nature Conservancy of Canada
- Ministry of Natural Resources
- Ministry of Municipal Affairs and Housing
- Thames Talbot Land Trust
- Natural Heritage Coalition of Thames Centre

The Upper Thames River Conservation Authority is leading the study, under the direction of a steering committee comprised of representatives from the partner groups. The steering committee is determining the best approach for assessing the natural features of Middlesex County, with input from local municipalities, landowners, the agricultural community, and other stakeholders. All of the project partners are kept informed throughout the project phases.

For more information or to get involved:

Check your local Conservation Authority's web site:

- Ausable Bayfield CAwww.execulink.com/~abca/
- ► Kettle Creek CAwww.kettlecreekconservation.on.ca
- ► Lower Thames Valley CAwww.lowerthames-conservation.on.ca
- St. Clair Region CAwww.scrca.on.ca
- Upper Thames River CAwww.thamesriver.on.ca

Visit the Middlesex County Natural Heritage Study website:

http://www.thamesriver.on.ca/MNHS/MNHS.htm

Phone or email:

Tara Tchir

Planning Ecologist

Upper Thames River Conservation Authority (519) 451-2800 ext. 261

tchirt@thamesriver.on.ca

Steve Evans

Director of Planning and Economic Development

County of Middlesex

(519) 434-7321 ext. 253

sevans@county.middlesex.on.ca

APPENDIX 2 STANDARD FIELD DATA FORMS

Page of	Patch ID:
	Community Number(s):

PRE - FIELD PATCH ANALYSIS: Complete only once for each patch

PATCH IDENTIFICATION

Landowner	Patch ID #	
UTMZ	UTME	UTMN
Township	Lot	Concession
Aerial Photo #	Date of Photo	Patch Area (ha)
Soil Texture (soil map)	Slope (DEM)	Aspect (DEM)

Check all that apply

G Stream classification done by:

G Within a Big Picture core

G Within a Big Picture corridor

G Patches adjacent to the City of London

G Within an area zoned for development

PATCH EVALUATION CRITERIA: Circle one in each row

Distance to road (major 2 lane)	0 - 100 m	100 - 200m	200 - 300m	300 - 400m	> 400m
Patch Size (2.2) * (3) **	< 4 ha	4 - 10 ha	>10 - 20 ha	>20 - 40 ha	> 40 ha
Woodland Size (2.2a) *	Patch contains <2 ha of upland forest	Patch contains 2 - 4 ha of upland forest	Patch contains > 4 - 10 ha of upland forest	Patch contains >10 - 20 ha of upland forest	Patch contains > 20 ha of upland forest
Patch Interior (2.2b) * (3) **	100m circle does not fit inside patch	100m circle just fits inside patch 100m circle fits inside patch with < 2% of interior patch area remaining		100m circle fits inside patch with 2 - 4% of interior patch area remaining	100m circle fits inside patch with > 4% of interior patch area remaining
Proximity to > 4 ha patch (1.2c) * (6) **	>400 m to next patch	>250 - 400 m to next patch	>100 - 250m to next patch	>40 - 100 m to next patch	≤ 40 m to next patch
Connectedness / Fragmentation (1.2b) * (6) **	tation corridors; natural areas by cultural corridors by natural on the separated by active by cultural corridors by natural 10 m wide		Natural area connected by natural corridors < 10 m wide	Natural area connected by natural corridors 10 - 30 m wide and > 80 m long	Natural area connected by natural corridors > 30 m wide and < 80 m long
Distinctive Landforms (4.2a) *	Patch not on significant slopes, and/or is on Till Plain or spillways	Patch on significant slopes as well as on till plain or spillways	Patch on slopes associated with glacial deposits, lake shorelines or Till Moraine	Patch on remnant valley slopes associated with Arva, Ingersoll and Westminster Moraines	Patch on glacial meltwater channels, lakes or on Beach Ridge or Sand Plain
Slope (1.1b)*	no slope	0 - 10% slope on any soil	> 10 - 15% on heavy clay, clay or silty clay	> 10 - 15% on silty loam, sandy loam, loam, fine sand to coarse sand	>15% slope on any soil

^{*} City of London. 2000. Guideline Document for the Evaluation of Ecologically Significant Woodlands.

^{**} Bowles, J and B. Bergsma. November 30, 1999. Components of the Natural Heritage System Guidelines for the Evaluation of Patches.

Page of Patch ID:
Community Number(s):

POST - FIELD PATCH ANALYSIS : Complete only once for each patch

PATCH EVALUATION CRITERIA: Circle one in each row

Community Structure and Diversity (excludes cultural communities) (2.3a) * (5) **	Patch homogeneous; all vegetation communities of the same ELC vegetation type and the same ELC Community Series	Patch relatively homogeneous, 2 - 5 ELC vegetation types in 1 ELC Community Series	Patch containing 2 - 5 ELC vegetation types in 2 ELC Community Series; or 6 - 10 ELC vegetation types in one ELC Community Series	Patch containing 6 - 10 ELC vegetation types in 2 Community Series; or >10 ELC vegetation types in one ELC Community Series	Patch containing > 10 ELC vegetation types in 2 Community Series; or ≥ 3 ELC Community Series
Vegetation Type and Topographic Diversity (2.3b) *	Woodland homogeneous with 1 - 2 vegetation types on one topographic feature	Woodland has 3 vegetation types on one topographic feature	Woodland has 1 vegetation type with complexes	Woodland has 4 + vegetation types	Woodland has 2 + vegetation types on 2 + different topographic features
Conifer cover (2.3d)* (6)**	Patch contains no coniferous communities; or plantations of nonnative, invasive conifer species	Patch contains plantations of non- native, non-invasive conifer species	Patch contains plantations of native indigenous conifer species	Patch contains naturalized vegetation communities with 25 - 75% native conifer canopy cover	Patch contains a naturalized native conifer community (with > 75% conifer canopy cover)
Woodland Cover (1.2a) *	No woodland cover	< 10% woodland cover	10 - 25% woodland cover	25 - 50% woodland cover	50 - 100% woodland cover
Hydrological Features (includes: watercourses, seepage) (1.1a) * (4) ** Patch > 100 m from the nearest hydrological feature Patch > 50 - 100 m from a hydrological feature Patch > 50 - 100 m from the nearest feature		> 30 - 50 m from a hydrological feature	≤ 30 m from an intermittent (not permanent) hydrological feature	Includes or is adjacent to a permanent hydrological feature	
Groundwater Recharge Areas on course substrate (1.1a) * (4) **	No recharge areas identified in patch	Up to 20% or < 2 ha of patch in a recharge area	20 - 40% or 2 - 4 ha of patch in a recharge area	> 40 - 60% or 4 - 10 ha of patch in a recharge area	> 60 - 100% or > 10 ha of patch in a recharge area
Wetland Hydrology (1.1a) * (4) **	No wetland areas within the patch	Patch containing or connected to a wetland meeting no key hydrology functions ***	Patch containing or connected to a wetland meeting 1 key hydrology function ***	Patch containing or connected to a wetland meeting 2 key hydrology functions ***	Patch containing a provincially significant wetland; or a wetland meeting 3 or more key hydrology functions ***

^{*} City of London. 2000. Guideline Document for the Evaluation of Ecologically Significant Woodlands.

- Flood Attenuation

- Groundwater Discharge

- Carbon Sink / Long Term Nutrient Trap

- Groundwater Recharge

- Water Quality Improvement

^{**} Bowles, J and B. Bergsma. November 30, 1999. Components of the Natural Heritage System Guidelines for the Evaluation of Patches

^{***} Key Hydrology Functions (defined by OMNR 3rd ed. Wetland evaluation manual for Southern Ontario):

Page of	Patch ID:
	Community Number(s)

IN - FIELD PATCH ANALYSIS: Complete only once for each patch

ANTHROPOGENIC MANAGEMENT DATA SHEET FOR PATCH:

Plantation	none	occasional	abundant	dominant
Extent	none	local widespread		extensive
Sugar Bush	none	light	moderate	heavy
Extent	none	local	widespread	extensive
Non-native Species	none	occasional	abundant	dominant
Extent	none	local	widespread	extensive
Livestock	none	light	moderate	heavy
Extent	none	local	widespread	extensive
Trails	none	faint	well marked	tracks / road
Extent	none	local	widespread	extensive
Artificial Drainage	none	occasional	abundant	dominant
Extent	none	local	widespread	extensive
Dumping	none	light	moderate	heavy
Extent	none	local	widespread	extensive
Earth movement	none	light	moderate	heavy
Extent	none	local	widespread	extensive
Recreation	none	light	moderate	heavy
Extent	none	local	widespread	extensive
Noise	none	slight	moderate	intense
Extent	none	local	widespread	extensive
Other	none	light	moderate	heavy
Extent	none	local	widespread	extensive

Page of	Patch ID:
	Community Number(s)

IN - FIELD PATCH ANALYSIS: Complete only once for each patch

NATURAL PROCESSES DATA SHEET FOR PATCH:

Wind throw	none	light	moderate	heavy
Extent	none	local	widespread	extensive
Disease / Death	none	light	moderate	heavy
Extent	none	local	widespread	extensive
Canopy Gaps	none	small	intermediate	large
Extent	none	local	widespread	extensive
Fire	none	light	moderate	heavy
Extent	none	local	widespread	extensive
Flooding	none	light	moderate	heavy
Extent	none	local	widespread	extensive
Ice Damage	none	light	moderate	heavy
Extent	none	local	widespread	extensive
Browse	none	light	moderate	heavy
Extent	none	local	widespread	extensive
Beaver	none	light	moderate	heavy
Extent	none	local	widespread	extensive
Other	none	light	moderate	heavy
Extent	none	local	widespread	extensive

Comments:

Page	Page of				Patch ID:				
					Community Number(s):				
	FIELD PAT							atch	
G G G	Mast Trees / Fruit Shrubs Fallen Logs		G Snags bs G Stick Nests G Remnant Pools		G G G	G HibernaculaG Dens / BurrowsG Healthy Watercou			
TY	DENTAL WI		NOTES	i (Aqua	uc / Teri	SP. CODE		NOTES	ш
1 Y	SP. CODE	EV	NOTES	#	1 Y	SP. CODE	EV	NOTES	#
$\mathbf{B} = \mathbf{B}\mathbf{I}$ $\mathbf{L} = \mathbf{L}\mathbf{E}$ \mathbf{EVIDH} \mathbf{POSSII}	AL TYPE CODES RD PIDOPTERA ENCE CODES (EV BLE BREEDING BE BUITABLE HABITA	M = MAN F = FISH (): (IRD)	/IMAL SM = SINGING	$\mathbf{O} = \mathbf{O}$	ERPETOFA THER	AUNA			
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OB = 0	R WILDLIFE OBSERVED VOCALIZATION		TINCTIVE PA		TK = TI CA = CA	RACKS ARCASS			

Page of	Patch ID:
	Community #:

IN - FIELD COMMUNITY ANALYSIS: Complete for each community

COMMUNITY IDENTIFICATION:

Surveyor(s)	Date		Aspect (dir.)
Slope (°) circle one:	< 2 2 - 9	10 - 30 > 30	

COMMUNITY / POLYGON DESCRIPTION: Check one in each group

SYSTEM	TOPOGRAPHIC FEATURE	DOMINANT PLANT FORM	COMMUNITY		
G Terrestrial	G Lacustrine	G Plankton	G Lake		
G Wetland	G Riverine	G Submerged	G Pond		
G Aquatic	G Bottomland	G Floating	G River		
	G Terrace	G Graminoid	G Stream		
SUBSTRATE	G Valley Slope	G Forb	G Marsh		
G Organic	G Tableland	G Lichen	G Swamp		
G Mineral	G Rolling Land	G Bryophyte	G Fen		
	G Bluff	G Deciduous	G Bog		
HISTORY		G Coniferous	G Barren		
G Natural	COMM. AGE	G Mixed	G Meadow		
G Cultural	G Pioneer		G Prairie		
	G Young	SITE	G Thicket		
COVER	G Mid-Age	G Open Water	G Savanna		
G Open	G Mature	G Shallow Water	G Woodland		
G Shrub	G Old Growth	G Surficial Dep.	G Forest		
G Treed *			G Plantation		

^{*} Note: Record whether it is open, sparse or closed

	The	Middlesex	Natural	Heritage	Study
Page of				Patch ID:	
Vegetation Type	e #:			Communi	ty #
IN - FIELD V	VEGE	TATION TYPE	ANALYSIS:	Complete for	each vegetation type

STAND DESCRIPTION:

HT CODES: 1 = >25m $2 = 10 < HT \le 25m$ $3 = 2 < HT \le 10m$ $4 = 1 < HT \le 2m$ $5 = 0.5 < HT \le 1m$ $6 = 0.2 < HT \le 0.5m$ 7 = HT < 0.2mCVR CODES: $\mathbf{0} = \text{NONE} \quad \mathbf{1} = 0\% < \text{CVR} \le 10\% \quad \mathbf{2} = 10 < \text{CVR} \le 25\% \quad \mathbf{3} = 25 < \text{CVR} \le 60\% \quad \mathbf{4} = \text{CVR} > 60\%$

LAYER		НТ	CVR	SPECIES IN ORDER OF DECREASING DOMINANCE
1	CANOPY			
2	SUB-CANOPY			
3	UNDER STOREY			
4	GRD. LAYER			

	MOISTURE	REGIME	(circle	one):
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Fresh Moist Wet / Organic Dry

COMMENTS:

Soil Texture (as verified in field):

Drainage:

Other:

POST - FIELD VEGETATION TYPE ANALYSIS: Complete for each vegetation type

Community Description:		

COMMUNITY CLASSIFICATION:

Community Class	Code
Community Series	Code
Ecosite	Code
Vegetation Type	Code

** Total Trees () x BAF() = Actual BA/ha
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Comments:

Page of	Patch ID:
Vegetation Type #:	Community #:

IN - FIELD VEGETATION TYPE ANALYSIS: Complete for each vegetation type

PLANT SPECIES LIST:

LAYERS: ABUNDANCE CODES:	1 = CANOPY : R = RARE			2 = SU $O = O$	JB-CANOPY CCASIONAL	3 = UNDER STOREY A = ABUNDANT			4 = GROUND LAYER D = DOMINANT		
SPECIES CODE	LAYER			COLL.	SPECIES CODE	LAYER				COLL.	
	1	2	3	4			1	2	3	4	
	<u> </u>	1	1	<u> </u>	<u> </u>		1				

Page of	Patch ID:
Vegetation Type #:	Community #:

IN - FIELD VEGETATION TYPE ANALYSIS: Complete for each vegetation type

PLANT SPECIES LIST:

AYERS: ABUNDANCE CODES:	1 = CANOPY 2 R = RARE			2 = SU		3 = UNDER STO A = ABUNDANT	FOREY $4 = \text{GROUND I}$ $\mathbf{D} = \text{DOMINANT}$				LAYER	
SPECIES CODE	LAYER				COLL.	SPECIES CODE	LAYER	LAYER				
	1	2	3	4			1	2	3	4		
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Page of Patch ID:
Vegetation Type #: Community #:

IN - FIELD VEGETATION TYPE ANALYSIS: Complete for each vegetation type

PLANT SPECIES LIST:

LAYERS: ABUNDANCE CODES:	$1 = \mathbf{CANOPY}$			2 = SU	JB-CANOPY	3 = UNDER STO A = ABUNDANT	OREY $4 = \text{GROUND L}$ $\mathbf{D} = \text{DOMINANT}$				LAYER	
SPECIES CODE	LAYER				COLL.	SPECIES CODE	LAYER				COLL.	
	1	2	3	4			1	2	3	4		
							1					
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							1					

Comments:

APPENDIX 3

GLOSSARY

Abundance codes: the quantity (noted as rare, occasional, abundant or dominant) of a plant species in a vegetation community.

Abundant: large numbers of individuals or clumps of individuals likely to be encountered anywhere in a given area (*e.g.* vegetation community). When describing herbaceous plants, usually forms 10% of the ground cover.

Adjacent: next to or nearest to.

Adventive: a non-native species (generally plant) growing without human aid or intervention. See *Alien species*.

Alien species: species that are not native to a particular region. In the case of Ontario, alien species are those that did not occur prior to European settlement. Alien species are brought into an area from other parts of the world or province, intentionally or accidentally by humans. Some alien species, such as Common Buckthorn (*Rhamnus cathartica*) and Garlic Mustard (*Alliaria petiolaris*) can be highly invasive and dominate woodland areas to the detriment of the native flora. Intensity was judged from the number of alien species and abundance of individual species.

Amphibians: any vertebrate animal whose life history includes an aquatic gill-breathing larval stage followed by a terrestrial lung-breathing adult stage. Includes frogs, toads, newts, and salamanders. Amphibians can be indicators of healthy woodlands with well functioning processes (OMNR 1999, 2000c).

Aquatic system: water table above substrate surface including flooded bedrock, mineral or organic substrates. Permanently flooded sites with persistent

water, emergent woody or herbaceous vegetation cover <25%, vegetation cover absent or of submerged or floating leaved plant species.

Associate species: a species which is a normal component of a vegetation community, but which does not have sufficient importance to rank dominant, codominant or secondary.

Aspect: orientation of slope face expressed as a compass direction.

Barren: unusually open sites on bedrock or unconsolidated material where major limiting factor is drought. Substrate surface a mosaic of exposed bare substrate and vegetation cover. May have stunted trees and low shrubs with patchy and open vegetation cover, but not tall grass species.

Basal area: the area occupied by plants, especially trees, near the ground surface. Usually measured in m²/ha. The diameter of a tree is measured at breast height approximately 1.5m above the ground surface; or across a clump of graminoids, usually 2 to 3 cm above the ground surface.

Biodiversity: total richness of biological variation, ranging from within species genetic variation, through subspecies and species, to communities and the patterns and dynamics of these on the landscape (City of London 2000).

Bluff: a shoreline area of a river or lake with steep to vertical slopes of unconsolidated surficial deposits that are subject to active erosion from slumping, mass wasting or toe erosion.

Bog: deep (>40 cm) sphagnum peat lands generally unaffected by nutrient rich groundwater. Acidic and often dominated by heath shrubs and mosses. May include open growing stunted trees.

Bottomland: land situated at the bottom of a river valley. It includes the flood plain, but may extend beyond the limit of flooding to the base of the valley slopes.

Bryophyte: plants without a vascular system such as mosses and liverworts.

Canopy: tallest layer of vegetation that receives direct sunlight.

Carbon sink: an area where the rate of carbon uptake by living organisms exceeds the rate of carbon release.

Centroid: the geometric or gravitational centre.

Climax: the final or end stage; a self-perpetuating community composed primarily of climax species showing uneven stand age distribution.

Co-dominant: two or more species that share, more or less equally, the greatest importance in the community.

Community: an assemblage of species or populations that live in a defined environment at a defined spatial - temporal scale, and interact with one another to form a distinctive living system with its own composition, structure, environmental relations, development and function (Whittaker 1975). A community may be described and classified using the Ecological Land Classification for Southern Ontario (Lee *et al.* 1998) or any other recognized system.

Community age: the estimated successional stage of the community based on Strong *et al.* 1990. These include: Pioneer, Young, Mid Aged, Sub-Climax and Climax.

Community diversity: the number of different ecosites and/or community series (excluding cultural communities) in the patch as defined by the ELC Community tables (Lee *et al.* 1998).

Community series: units that are visible and recognizable on air-photos or from a combination of maps, air photo interpretation and other remote sensing techniques. This is the lowest level in the ELC that can be identified without a site visit. Distinguished based on the type of vegetation cover and / or the plant form that characterizes the community (Lee *et al.* 1998).

Community SRANK: A provincial ranking system based on the rarity of a community type. Ranks are based on the best available information from three factors: estimated number of occurrences, estimated areal extent and estimated range. Based on Bakowsky (1993) and current status from the NHIC web page http://www.mnr.gov.on.ca./MNR/nhic/veg/lists/comml ist.html.

Community type: an overall descriptor of the community setting in the landscape, to be used for description purposes only. Community types include: Lakes, Ponds, Rivers, Streams, Marsh, Swamp, Fen, Bog, Barren, Meadow, Prairie, Thicket, Savanna, Woodland, Forest or Plantation.

Conifer cover: an area dominated by coniferous (evergreen) trees; important for providing winter food and shelter for a variety of wildlife species (OMNR 1999, 2000c).

Coniferous forest: a forest community where the canopy is made up of >75% coniferous trees.

Conservative bird species: species with high jurisdictional responsibility, preservation responsibility and / or area sensitivity scores for Middlesex County based on Couturier (1999).

Cover: the type of vegetation that dominates an area, either open (*i.e.* tree-less), shrub or treed.

Cultural barrier: permanent human structure or feature, including roads, buildings and railroads, unless connected by a culvert or bridge that allows movement of wildlife (City of London 2000).

Cultural community: vegetation community originating from or maintained by people (*e.g.* meadows growing on disturbed soils, pine plantations). Non-native species often abundant.

Cultural corridor: includes abandoned rail or roads, utility easements or right of ways, recreational green way parks/open spaces, abandoned agricultural land (City of London 2000).

Deciduous forest: a forest community where the canopy is made up of >75% deciduous (broad-leaved) trees.

Density: the number of plant individuals per unit area. May be expressed in absolute terms or as a relative density, which is number of individuals of a certain

species as a percentage of the total number of individuals of all species in the same area (Curtis 1959)

Disease/ death of trees - This disturbance category was applied to generalized events rather than the senescence and death of individuals in the forest canopy. Generalized tree death can occur, for example, as a result of changes in site drainage, or disease such as Dutch Elm disease.

Distinctive landforms: identified by the slope stability mapping project (UTRCA 1996) and City of London Glacial Geomorphology mapping (City of London GIS layer).

Disturbances: each disturbance type (except time since the last logging event) was scored from 0 to 3 for intensity and 0 to 3 for extent. Intensity and extent scores were then multiplied together to produce a score for each disturbance type. A total disturbance index for each patch was calculated from the sum of disturbance scores. Estimated time since the last logging event (in years) was also recorded for each patch.

Dominant plant form: the most prevalent plant form in a community which include Plankton, Submerged, Floating, Graminoids, Forbs, Lichen, Bryophyte, Deciduous Forest, Coniferous Forest, Mixed Forest.

Dominant: a plant species encountered throughout the polygon in a large numbers or clumps and visually more abundant than other species (>10% of the ground cover and > 35% of the vegetation cover in any one layer).

Dominants(s): One to three species which dominate and characterize the vegetation community. Species were listed in order of importance based on a visual estimate. Importance combines both the size and abundance of species. Relative abundance was indicated by >>, > or =. Species in separate strata were divided by /.

Dumping: any dumping of material including field stone or top-soil was recorded as a disturbance.

Earth displacement: excavation of soil for any reason was recorded, including extraction of sand and drainage operations.

Ecosite: part of an ecosection that consists of a mappable area or land having a consistent set of environmental factors (hydrology, soils) and patterns of vegetation characteristics (City of London 2000).

Fen: wetland with a peat substrate and nutrient rich waters, primarily vegetated by shrubs and graminoids. Substrate of brown moss peat or marl with water source minerotrophic, alkaline to mildly acidic.

Floating: aquatic community with wetland plants that have their major photo synthetic area (leaves) floating on the surface of the water.

Forbs: community with >75% of the vegetation composed of non-woody broad leaved herbaceous plants that are either monocots or dicots but not graminoids.

Forest: terrestrial vegetation community with at least 60% tree cover of coniferous or deciduous trees (City of London 2000).

Fresh soil moisture: characterized by no mottles or gleying within top half of the soil profile.

Gaps in forest canopy: only gaps caused by disturbance events such as logging, windstorm or disease were recorded. Intensity was judged by the number and size of gaps. The vegetation in established gaps is generally quite distinct because gaps are frequently occupied by shade-intolerant species rather than shade tolerant woodland species. Shade-intolerant species tend to replace slower growing woodland species when light levels are high. Gap dynamics are part of a healthy ecosystem, but in small patches large or frequent gaps may affect the long term health of a woodlot.

Gleying: a soil characteristic caused by poor soil aeration in saturated soils, leading to a soil profile that is typically grey in colour interspersed with yellow, orange, or rusty brown mottles or streaks.

Graminoids: community with >75% of the vegetation composed of narrow leaved monocots with a grass-like morphology, including grasses, sedges and rushes.

Ground layer: vegetation layer that is nearest to the substrate.

Groundwater discharge: an area where the groundwater moves upward from the underlying mineral material or emerges from surrounding uplands. Discharge wetlands have a high value both for ecological reasons and because of their utility value in erosion control and water quality improvement. Groundwater discharging in a wetland is usually nutrient and mineral rich allowing the development of locally unique ecosystems.

Groundwater recharge: the flow to groundwater storage from precipitation, infiltration from streams, and other sources of water.

Hardwood: all broad-leafed trees.

History: past influences and management regime of the community. Can be either natural or cultural.

Hydrological features: includes groundwater recharge areas, headwater/first order watercourses, river or stream corridors, wetlands (OMNR 1994), shallow aquifers or discharge / seepage areas as identified by the subwatershed studies and / or verified through technical studies (City of London 2000).

Interior habitat: amount area left after 100m buffer has been removed from the interior of the woodland patch perimeter (City of London 2000).

Invasive species: non-native species that reproduce aggressively and displace native plant species in an area.

Lacustrine: aquatic or wetland site associated with fresh water lakes or ponds. Sediments generally consist of stratified fine sand, silt and clay deposits on a lake bed.

Lake: standing water body >2 ha in area.

Landforms: the various slopes of the land surface resulting from a variety of actions such as deposition or sedimentation, erosion and movements of the earth crust to create topographic features (City of London 2000).

Landscape variables: measurements taken from GIS information for each patch. Landscape variables included patch area, patch core area after a 100m buffer was removed from around the patch perimeter, edge (buffer) area to total area ratio and distance to road, railroad, neighbour and recognized feature.

Lichen: community with >50% of the vegetation composed of lichens.

Linkage: according to OMNR (1999), woodlands are considered to be continuous even if intersected by standard roads 21 m wide.

Livestock: historic livestock grazing was inferred from the condition of the ground layer flora and the tree species composition (such as abundance of Hophornbeam (*Ostrya virginiana*) or Hawthorn (*Crataegus* spp.), both species tolerant of livestock impacts). Clues to previous grazing influences include the presence of old fences and open-grown trees in the forest canopy. Other indications of livestock grazing in the last 5-15 years are damage and compaction around tree roots and evidence of old browse lines.

Logging: intensity was based on evidence of the most recent logging practices in the patch. Fuel wood cutting was assumed when occasional trees, especially dead or diseased individuals, had been removed. Evidence of selective cutting included a more intensive level of tree removal, signs of skidding operations, one or more trees species targeted, and so on. A diameter limit cut was indicated by heavy removal of large trees resulting in an even-aged sapling response. Time since logging was also estimated from clues such as the condition of stumps and the size of released saplings.

Marsh: wetland with a mineral or peat substrate inundated by nutrient rich water and characterized by emergent vegetation.

Meadow: open terrestrial communities characterized by grasses or forbs (not tall grass species), usually originating or maintained by cultural disturbances.

Mean Coefficient of Conservatism (MCC): based on the Floristic Quality Assessment System for Southern Ontario (Oldham *et al.* 1995) and on analysis of distribution in the London Subwatershed area (City of London 2000). It aids in measuring the overall quality of a site since the conservative coefficient describes the probability of finding a species in a particular habitat type or undisturbed habitat. It ranges from 0 (widespread) to 10 (found only in specialized habitats). For each patch a mean conservatism coefficient (MCC) was calculated from the conservatism coefficients for all native species recorded from the patch.

Mean weediness: Oldham *et al.* (1995)developed weediness coefficients for non-native species. Non-invasive adventive (non-native) species were given a score of -1. Highly invasive weedy species, which have a potential for invading natural habitats and displacing the native flora, were assigned a weediness coefficient of -3. Mean weediness was also calculated for all patches in this study.

Mean wetness: a coefficient of wetness was assigned to plant species by Oldham *et al.* (1995). Wetness scores range from 5 for obligate upland species to -5 for obligate wetland species. The mean coefficient of wetness for a site is an indicator of the overall soil moisture regime.

Mesic: soil moisture that is neither humid (hydric) nor very dry (xeric).

Mid aged: a seral community which has undergone natural thinning as a result of species interaction. May contain some climax species.

Mineral substrate: soil composed of unconsolidated mineral matter where the organic thickness (if present) is < 40 cm.

Mixed forest: both deciduous and coniferous species make up >25% of the canopy cover.

Moist moisture regime: mottles occur within 15cm or gleying within 45cm of mineral surface.

Moisture regime: estimated soil moisture regime based on plant species assemblages and soil characteristics. Can be Dry, Fresh, Moist or Wet.

Mottle: spots or blotches of different soil colors or shades of colors interspersed with the dominant soil color, usually the result of alternating aerobic and anaerobic soil conditions and indicative of poor drainage. The depth of mottles in soils of different types is a diagnostic indication of moisture regime.

Native species: species known to have existed on a site prior to European settlement.

Natural community: resulting from natural dynamics of vegetation development; not maintained as a result of anthropogenic disturbance regimes. Any anthropogenic influences either not of sufficient intensity or were long enough ago that the community has recovered some of its original composition and structure.

Natural corridor: includes hedgerows, streams, drainage features, plantations, valley and stream corridors, riparian zones, thickets, woodlands. A corridor may be interrupted by some cultural features such as bridges and culverts which still permit wildlife movement (City of London 2000).

Noise: persistent or repeated noise, for example highways, railways or manufacturing operations, was recorded. Occasional noise such as from farm machinery was not recorded.

Occasional: plants represented as scattered individuals throughout a community or one or more large clumps of many individuals in the polygon.

Open cover: wetland or terrestrial communities with < 10% tree cover and <25% shrub cover.

Open water: aquatic site with deep water (usually >2m) in lakes, ponds or rivers; community dominated by plankton; vascular vegetation cover <25%.

Organic substrate: soil dominated by deep organic deposits, usually >40 cm thick.

Patch: a vegetated unit with a discrete boundary that differs in appearance from its surroundings and is 0.5 ha in size or larger.

Patch ID: a unique identifier (number) for each patch, used to link most of the tables and GIS files in the database.

Patch interior: the proportion of interior to total area based on a 100 m interior edge zone. Definition is based on an analysis of subwatershed study patches in the City of London (2000).

Phytosociological: refers to a recognizable and repeatable community of interacting plant species that occurs across a landscape under the same conditions (City of London 2000).

Pioneer: a community which has invaded disturbed or newly created sites, and represents the early stages of either primary or secondary succession.

Plankton: plant community composed of free-floating microscopic organisms suspended in water. Some photosynthetic plankton, such as algae, occur in such large numbers that they form visible blooms on the water surface.

Plantation: a coniferous or deciduous treed community in which the majority of trees have been planted (City of London 2000).

Pond: a small body of water <2ha in area.

Prairie: an area of native grassland (tallgrass species present) controlled by a combination of moisture deficiency and fire.

Rare: plant species represented by only one to a few individuals (less than 3-5 individuals) or small clumps in the community.

Recreation use: signs of recreation use included tracks and recreational vehicle trails, signs of hunting (deer platforms, large numbers of spent cartridges), fire pits, empty bottles and drink cans, forts and so on.

Remnant pond: a pond that remains from an ecological community that was once much larger.

Riffle: shallow rapids where the water flows swiftly over completely or partially submerged obstructions to produce surface disturbances, but where standing waves are absent.

River: a large permanent watercourse (4th order or larger) with at least some permanent tributary streams.

Riverine: aquatic or wetland site associated with waters of a river or stream.

Rolling land: topography that exhibits a complex or repeated pattern of ridges, slopes and hollows, but no abrupt peaks or cliffs.

Satellite community: a group of small woodlands surrounding a larger woodland.

Savanna: treed community with 10 - 35% cover of coniferous or deciduous trees.

Seepage: the slow movement of water near the soil surface, often occurring above an impermeable subsoil layer or at the boundary between bedrock and unconsolidated material that is exposed at ground surface. Usually occurs downslope of the recharge area (City of London 2000).

Shallow water: aquatic or wetland sites with more or less permanent shallow water (usually <2 m); vegetation cover typically >25%, except in disturbed sites.

Shrub cover: vegetation communities that have <10% cover of trees and >25% cover of shrubs.

Site: categories consist of: open water, shallow water and surficial deposits.

Slope: protection of runoff processes and ground stability (erosion potential) for slopes > 10% as mapped in the slope stability mapping project (UTRCA 1996) and digital topographic layers (City of London GIS). Consideration is given to soil textures and type as described in the ELC manual (Lee *et al.* 1998).

Species code: plant species recorded using the NHIC 7- letter codes for species names.

Stream: a permanent or intermittent water course (3rd order or smaller).

Sub-canopy: vegetation layer under the canopy that does not receive direct sunlight.

Sub-climax: a secessional maturing community dominated primarily by climax species, but significant remnants of early seral stages may be present.

Submerged: aquatic community with plants that normally lie entirely beneath the water. Some species have flowering parts that break the water surface.

Sugar bush operations: light or occasional sugar bush operations include signs of historic evidence, tapping of occasional trees and instances where there was little recent evidence of selective cutting for sugar bush. Heavy impacts included the presence of a permanent network of sap tubes, and forest management towards the sugar bush operation.

Surficial deposits: sites on deep (>15cm) deposits of unconsolidated organic or mineral material.

Surveyor(s): initials of all members of the field crew responsible for filling in the data.

Swamp: a mineral rich wetland characterized by a cover (>25%) of deciduous or coniferous trees.

System: predominant form of ecosystem which can be either terrestrial, wetland or aquatic.

Tableland: an upland area that is essentially flat, on a more or less level plain that is not associated with any marked topographic feature.

Terrace: a relatively level bench that is created and occurs within river valleys but is above the reach of modern flood waters. Sometimes sharp or low breaks occur between individual terrace surfaces. These features are formed during a period of fluvial stability followed be a period of down-cutting by a stream. Typically represent historical shorelines or flood plains.

Terrestrial system: water table rarely above substrate surface; substrate of parent mineral material, mineral soil or bedrock; depth of accumulated organics < 40cm; standing or vernal pools of water.

Thicket: open terrestrial community characterized by < 10% tree cover and > 25% tall shrub (> 2m) cover.

Threatened and Endangered Species: identification, evaluation and listing of provincially endangered or threatened species as determined by the OMNR (City of London 2000).

Topographic feature: the dominant feature of the patch. Includes lacustrine, riverine, bottomland, terrace, valley slope, tableland, rolling land and bluff features.

Tracks and trails: roads, paths and trails made and maintained by human were considered disturbances.

Animal trails resulting from wildlife movement were not included. Faint trails are visible mostly as compacted and vegetation-free strips on ground surface. Well marked trails are usually actively managed, the trail itself is wider and some brush maybe cut at the side of the trail. Often there are signs of erosion on the trail itself and there may be a change in the trail-side vegetation. Tracks or roads are, or have been, used by vehicles. There is commonly a gap in the canopy above the track and distinct flora along the edge.

Treed cover: all vegetation patches containing tree cover >10% cover (City of London 2000).

Understory: vegetation layer intermediate in height between the canopy and the ground layer (*e.g.* shrub layer in the forest).

Upland forest: all forest that is found above regulated fill lines (City of London 2000).

Valley slope: sloping walls of a distinct valley associated with a river or stream. Site in a clearly incised river valley.

Vegetation layers: includes canopy, sub-canopy, understory and ground layers.

Vegetation type: the finest level of resolution in the ELC, identified through site and stand level research and inventory. Vegetation types are generated by grouping similar plant communities based on plant species composition and dominance, according to relative cover. The goal is to distill the natural diversity and variability of plant communities to a small number of relatively uniform vegetation units (City of London 2000).

Vernal pool: a pool appearing in the spring and/or fall.

Watercourse: has one or more of the following characteristics: a distinct channel in which water naturally flows at some time of the year (*i.e.* either permanent or intermittent flow), natural riparian vegetation or a type I - IV aquatic habitat (City of London 2000).

Wet moisture regime: mottles within 5cm of surface.

Wetland: defined by the Ontario Wetland Evaluation System Southern Manual 3rd edition (OMNR 1994) with a minimum community size of 0.5 ha.

Wetland system: water table above substrate surface; flooded bedrock, mineral or organic substrates, standing water >20% of ground coverage. Water levels fluctuate. Emergent herbaceous or woody vegetation cove >25%.

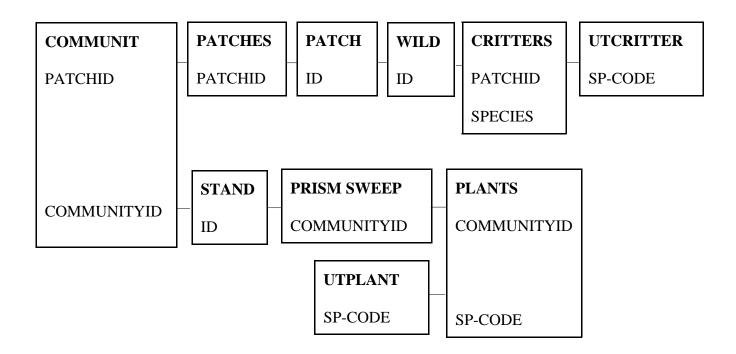
Windstorm (blowdown): evidence that trees had been uprooted or broken by wind. Does not include isolated, single tree falls or damage to small branches.

Woodland: a treed community with 35 - 60% cover of coniferous or deciduous trees (Lee *et al.* 1998, City of London Significant Woodlands Criteria, Provincial Policy Statement 1997, City of London Official Plan).

Woodland cover: percentage cover of woodlands within 2km radius circle from patch centroid (City of London 2000).

Young: a community which has not undergone a series of natural thinning. Plants are essentially growing as independent individuals rather than as members of a photo-sociological community.

APPENDIX 4 DATABASE RELATIONSHIP DIAGRAM



APPENDIX 5

Vascular Plants of Middlesex County

Species Codes and County Status

The following list gives the scientific name and species codes for the vascular plants of Middlesex County. Scientific names and status follow Oldham 1993a and are taken from his database. Some plant names were added from Bowles *et al.* 1994. Definition of column headings are as follows:

SP_CODE: 7 letter code (ALL CAPS) based on first 3 letters of the genus and first 4 letters of the species name

SCI_NAME: latin name (genus and species)

MIDD: status in Middlesex County (see below)

CC: conservatism coefficient
CW: coefficient of wetness
SRANK: NHIC ranking
WEED: weediness score
COM_NAME: common name

PHYSIOG: type of plant (Native or Alien)

The symbols used in column MIDD (status in Middlesex County) are as follows:

R#: rare with # = 1-4 records

C: common

VU: very uncommon (5-9 records)
U: uncommon (10-15 records)

I: introduced

c: common introduction
r: rare introduction
u: uncommon introduction
X: status unknown

ABUTHEO Abutilon theophrasti Ic 4 -1 Velvet-leaf A Format ACARHOM Acalypha rhomboidea C 0 3 Three-seeded Mercury N Format ACERIGR Acer saccharum C 7 3 Black Maple N Tr ACEPLAT Acer platanoides Iu 5 -3 Norway Maple A Trn ACERUBR Acer rubrum C 4 0 Red Maple N Tr ACERUBR Acer rubrum C 4 3 Sugar Maple N Tr ACESACC Acer saccharum C 4 3 Sugar Maple N Tr ACESACC Acer saccharum C 5 -3 Silver Maple N Tr ACESACN Acer saccharium C 5 -3 Silver Maple N Tr ACESACN Acer spicatum VU 6 3 Mountain Maple N Tr ACESACN Acer spicatum VU 6 3 Mountain Maple N Tr ACHMILL Achillea millefolium C 3 -1 Yarrow A Fo ACIARVE Acinos arvensis Ir 5 -1 Basil Balm A Fo ACOALA Acorus americanus R 2 8 -5 Sweet-flag N Formator ACOAMER Acorus americanus R 2 8 -5 Sweet-flag A Fo ACOALA Acorus calamus Ir -5 -1 European Sweet-flag A Fo ACTPACH Actaea pachypoda C 6 5 White Baneberry N Formator ACTRUBR Actaea rubra C 5 5 5 Red Baneberry N Formator ACTRUBR Actaea rubra C 7 1 Northern Maidenhair Fern N Formator ACTRUBR Adlumia fungosa R1 8 5 Climbing Fumitory N Formator ACTRUBR Actaea rubra R1 8 5 Climbing Fumitory N Formator ACTRUBR Actaea rubra R1 8 5 Climbing Fumitory N Formator ACTRUBR Actaea rubra R1 8 5 Climbing Fumitory N Formator ACTRUBR Actaea rubra R1 8 5 Climbing Fumitory N Formator ACTRUBR Actaea rubra R1 8 5 Climbing Fumitory N Formator ACTRUBR Actaea rubra R1 8 5 Climbing Fumitory N Formator ACTRUBR Actaea rubra R1 8 5 Climbing Fumitory N Formator ACTRUBR Actaea rubra R1 8 5 Climbing Fumitory N Formator ACTRUBR Actaea rubra R1 8 5 Climbing Fumitory N Formator ACTRUBR Actaea rubra R1 8 5 Climbing Fumitory N Formator ACTRUBR Actaea rubra R1 8 5 Climbing Fumitory N Formator ACTRUBR Actaea rubra R1 8 5 Climbing Fumitory N Formator ACTRUBR Actaea rubra R1 8 5 Climbing Fumitory N Formator ACTRUBR Actaea rubra R1 8 5 Climbing Fumitory N Formator ACTRUBR Actaea rubra R1 8 5 Climbing Fumitory N Formator ACTRUBR R1 8 5 Climbing Fumitor R1 8 7 Climbing Fumitor	SP_CODE	SCI_NAME	MIDD	CC	CW	SRANK	WEED	COM_NAME	PHYSIOG
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ACESACN Acer saccharinum C 5 -3 Silver Maple NTr ACESPIC Acer spicatum VU 6 3 Mountain Maple NTr ACHMILL Achillea millefolium C 3 -1 Yarrow A Fo ACIARVE Acinos arvensis Ir 5 -1 Basil Balm A Fo ACOAMER Acorus americanus R2 8 -5 Sweet-flag N Fo ACOCALA Acorus calamus Ir -5 -1 European Sweet-flag A Fo ACTPACH Actaea pachypoda C 6 5 White Baneberry N Fo ACTRUBR Actaea rubra C 5 5 Red Baneberry N Fo ADIPEDA Adiantum pedatum C 7 1 Northern Maidenhair Fern N Fe ADLFUNG Adlumia fungosa R1 8 5 Climbing Fumitory N Fo AESHIPP Aesculus hippocastanum Ir 5 -1 Horse-chestnut A Tr AGANEPE Agastache nepetoides R3 8 Yellow Giant Hyssop N Fo AGATENU Agalinis tenuifolia VU 7 -3 Slender-leaved Agalinis N Fo AGRCRIS Agropyron cristatum Ir 5 -1 Crested Wheat Grass A Gr AGRGIGA Agrostis gigantea Ic 0 -2 Redtop AGRORYP Agrimonia gryposepala C 2 2 Agrimony N Fo AGRCRIS Agromonia parviflora R4 4 -1 S3 Small-flowered Agrimony N Fo	ACERUBR	Acer rubrum	С	4	0			Red Maple	N Tree
ACESPIC Acer spicatum VU 6 3 Mountain Maple NTR ACHMILL Achillea millefolium C 3 -1 Yarrow A Fo ACIARVE Acinos arvensis Ir 5 -1 Basil Balm A Fo ACOAMER Acorus americanus R2 8 -5 Sweet-flag NFG ACOCALA Acorus calamus Ir -5 -1 European Sweet-flag A Fo ACTPACH Actaea pachypoda C 6 5 White Baneberry NFG ACTRUBR Actaea rubra C 5 5 Red Baneberry NFG ADIPEDA Adiantum pedatum C 7 1 Northern Maidenhair Fern NFG ADLFUNG Adlumia fungosa R1 8 5 Climbing Fumitory NFG AEGPODA Aegopodium podagraria Iu 0 -3 Goutweed A Fo AESHIPP Aesculus hippocastanum Ir 5 -1 Horse-chestnut A Tra AGANEPE Agastache nepetoides R3 8 3 Yellow Giant Hyssop NFG AGATENU Agalinis tenuifolia VU 7 -3 Slender-leaved Agalinis NFG AGRCRIS Agropyron cristatum Ir 5 -1 Crested Wheat Grass A Gra AGRGIGA Agrostis gigantea Ic 0 -2 Redtop A Gra AGRGITH Agrostemma githago Ir 3 -1 Corn-cockle A Fo AGRCRYP Agrimonia gryposepala C 2 2 Agrimony NFG AGRCRAV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony NFG	ACESACC	Acer saccharum	С	4	3			Sugar Maple	N Tree
ACHMILL Achillea millefolium C 3 -1 Yarrow A Fo ACIARVE Acinos arvensis Ir 5 -1 Basil Balm A Fo ACOAMER Acorus americanus R2 8 -5 Sweet-flag N Fo ACOCALA Acorus calamus Ir -5 -1 European Sweet-flag A Fo ACTPACH Actaea pachypoda C 6 5 White Baneberry N Fo ACTRUBR Actaea rubra C 5 5 Red Baneberry N Fo ACTRUBR Actaea rubra C 7 1 Northern Maidenhair Fern N Fo ADIPEDA Adiantum pedatum C 7 1 Northern Maidenhair Fern N Fo ADLFUNG Adlumia fungosa R1 8 5 Climbing Fumitory N Fo AEGPODA Aegopodium podagraria Iu 0 -3 Goutweed A Fo AESHIPP Aesculus hippocastanum Ir 5 -1 Horse-chestnut A Tro AGANEPE Agastache nepetoides R3 8 3 Yellow Giant Hyssop N Fo AGATENU Agalinis tenuifolia VU 7 -3 Slender-leaved Agalinis N Fo AGRORIS Agropyron cristatum Ir 5 -1 Crested Wheat Grass A Grad AGRORIGA Agrostis gigantea Ic 0 -2 Redtop A Grad AGRORIFH Agrostemma githago Ir 3 -1 Corn-cockle A Fo AGRORIPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRORARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRORARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRORARV Agrimonia parviflora	ACESACN	Acer saccharinum	С	5	-3			Silver Maple	N Tree
ACIARVE Acinos arvensis Ir 5 -1 Basil Balm A FO ACOAMER Acorus americanus R2 8 -5 Sweet-flag N Fo ACOCALA Acorus calamus Ir -5 -1 European Sweet-flag A Fo ACTPACH Actaea pachypoda C 6 5 White Baneberry N Fo ACTRUBR Actaea rubra C 5 5 Red Baneberry N Fo ADIPEDA Adiantum pedatum C 7 1 Northern Maidenhair Fern N Fo ADLFUNG Adlumia fungosa R1 8 5 Climbing Fumitory N Fo AEGPODA Aegopodium podagraria Iu 0 -3 Goutweed A Fo AESHIPP Aesculus hippocastanum Ir 5 -1 Horse-chestnut A Tro AGANEPE Agastache nepetoides R3 8 3 Yellow Giant Hyssop N Fo AGATENU Agalinis tenuifolia VU 7 -3 Slender-leaved Agalinis N Fo AGRCRIS Agropyron cristatum Ir 5 -1 Crested Wheat Grass A Gr AGRGIGA Agrostis gigantea Ic 0 -2 Redtop A Gr AGRGITH Agrostemma githago Ir 3 -1 Corn-cockle A Fo AGRCRYP Agrimonia gryposepala C 2 2 Agrimony N Fo AGRCRYN Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N Fo	ACESPIC	Acer spicatum	VU	6	3			Mountain Maple	N Tree
ACOAMER Acorus americanus R2 8 -5 Sweet-flag ACOCALA Acorus calamus Ir -5 -1 European Sweet-flag A Fo ACTPACH Actaea pachypoda C 6 5 White Baneberry N Fo ACTRUBR Actaea rubra C 5 5 Red Baneberry N Fo ADIPEDA Adiantum pedatum C 7 1 Northern Maidenhair Fern N Fo ADLFUNG Adlumia fungosa R1 8 5 Climbing Fumitory N Fo AEGPODA Aegopodium podagraria Iu 0 -3 Goutweed A Fo AESHIPP Aesculus hippocastanum Ir 5 -1 Horse-chestnut A Tro AGANEPE Agastache nepetoides R3 8 3 Yellow Giant Hyssop N Fo AGACENU Agalinis tenuifolia VU 7 -3 Slender-leaved Agalinis N Fo AGRCRIS Agropyron cristatum Ir 5 -1 Crested W heat Grass A Gr AGRGIGA Agrostis gigantea Ic 0 -2 Redtop AGRGITH Agrostemma githago Ir 3 -1 Corn-cockle A Fo AGRCRYP Agrimonia gryposepala C 2 2 Agrimony N Fo AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N Fo	ACHMILL	Achillea millefolium	С		3		-1	Yarrow	A Forb
ACOCALA Acorus calamus Ir -5 -1 European Sweet-flag A Fo ACTPACH Actaea pachypoda C 6 5 White Baneberry N Fo ACTRUBR Actaea rubra C 5 5 Red Baneberry N Fo ADIPEDA Adiantum pedatum C 7 1 Northern Maidenhair Fern N Fo ADLFUNG Adlumia fungosa R1 8 5 Climbing Fumitory N Fo AEGPODA Aegopodium podagraria Iu 0 -3 Goutweed A Fo AESHIPP Aesculus hippocastanum Ir 5 -1 Horse-chestnut A Tro AGANEPE Agastache nepetoides R3 8 3 Yellow Giant Hyssop N Fo AGATENU Agalinis tenuifolia VU 7 -3 Slender-leaved Agalinis N Fo AGRCRIS Agropyron cristatum Ir 5 -1 Crested Wheat Grass A Grassing Grant Agrostis gigantea Ic 0 -2 Redtop A Grassing Grant Agrostema githago Ir 3 -1 Corn-cockle A Fo AGRGRYP Agrimonia gryposepala C 2 2 Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora	ACIARVE	Acinos arvensis	Ir		5		-1	Basil Balm	A Forb
ACTPACH Actaea pachypoda C 6 5 White Baneberry N For ACTRUBR Actaea rubra C 5 5 Red Baneberry N For ADIPEDA Adiantum pedatum C 7 1 Northern Maidenhair Fern N For ADLFUNG Adlumia fungosa R1 8 5 Climbing Fumitory N For AEGPODA Aegopodium podagraria Iu 0 -3 Goutweed A For AESHIPP Aesculus hippocastanum Ir 5 -1 Horse-chestnut A Trop AGANEPE Agastache nepetoides R3 8 3 Yellow Giant Hyssop N For AGATENU Agalinis tenuifolia VU 7 -3 Slender-leaved Agalinis N For AGRCRIS Agropyron cristatum Ir 5 -1 Crested W heat Grass A Grad Agrostis gigantea Ic 0 -2 Redtop A Grad Agrostis gigantea Ic 0 -2 Redtop A Grad Agrostis gigantea C 2 2 Agrimony N For AGRCRIY Agrimonia gryposepala C 2 2 Agrimony N For AGRARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For	ACOAMER	Acorus americanus	R2	8	-5			Sweet-flag	N Forb
ACTRUBR Actaea rubra C 5 5 Red Baneberry N For ADIPEDA Adiantum pedatum C 7 1 Northern Maidenhair Fern N Fer ADLFUNG Adlumia fungosa R1 8 5 Climbing Fumitory N For AEGPODA Aegopodium podagraria Iu 0 -3 Goutweed A For AESHIPP Aesculus hippocastanum Ir 5 -1 Horse-chestnut A Track AGANEPE Agastache nepetoides R3 8 3 Yellow Giant Hyssop N For AGATENU Agalinis tenuifolia VU 7 -3 Slender-leaved Agalinis N For AGRCRIS Agropyron cristatum Ir 5 -1 Crested Wheat Grass A Grader Agrostis gigantea Ic 0 -2 Redtop A Grader Agrimonia gryposepala C 2 2 Agrimony N For AGRCRYP Agrimonia gryposepala C 2 2 Agrimony N For AGRARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For	ACOCALA	Acorus calamus	Ir		-5		-1	European Sweet-flag	A Forb
ADIPEDA Adiantum pedatum C 7 1 Northern Maidenhair Fern N Fern ADLFUNG Adlumia fungosa R1 8 5 Climbing Fumitory N For AEGPODA Aegopodium podagraria lu 0 -3 Goutweed A For AESHIPP Aesculus hippocastanum Ir 5 -1 Horse-chestnut A Track AGANEPE Agastache nepetoides R3 8 3 Yellow Giant Hyssop N For AGATENU Agalinis tenuifolia VU 7 -3 Slender-leaved Agalinis N For AGRCRIS Agropyron cristatum Ir 5 -1 Crested W heat Grass A Grader Agrimonia gryposepala C 2 2 Agrimony N For AGRCRYP Agrimonia gryposepala C 2 2 Agrimony N For AGRARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony	ACTPACH	Actaea pachypoda	С	6	5			W hite Baneberry	N Forb
ADLFUNG Adlumia fungosa R1 8 5 Climbing Fumitory N For AEGPODA Aegopodium podagraria Iu 0 -3 Goutweed A For AESHIPP Aesculus hippocastanum Ir 5 -1 Horse-chestnut A Tru AGANEPE Agastache nepetoides R3 8 3 Yellow Giant Hyssop N For AGATENU Agalinis tenuifolia VU 7 -3 Slender-leaved Agalinis N For AGRCRIS Agropyron cristatum Ir 5 -1 Crested Wheat Grass A Grade Agrostis gigantea Ic 0 -2 Redtop A Grade Agrostis gigantea Ir 3 -1 Corn-cockle A For AGRGRYP Agrimonia gryposepala C 2 2 Agrimony N For AGRARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For	ACTRUBR	Actaea rubra	С	5	5			Red Baneberry	N Forb
AEGPODA Aegopodium podagraria lu 0 -3 Goutweed A Fo AESHIPP Aesculus hippocastanum Ir 5 -1 Horse-chestnut A Tra AGANEPE Agastache nepetoides R3 8 3 Yellow Giant Hyssop N Fo AGATENU Agalinis tenuifolia VU 7 -3 Slender-leaved Agalinis N Fo AGRCRIS Agropyron cristatum Ir 5 -1 Crested W heat Grass A Gr AGRGIGA Agrostis gigantea Ic 0 -2 Redtop A Gr AGRGITH Agrostemma githago Ir 3 -1 Corn-cockle A Fo AGRGRYP Agrimonia gryposepala C 2 2 Agrimony N Fo AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N Fo	ADIPEDA	Adiantum pedatum	С	7	1			Northern Maidenhair Fern	N Fern
AESHIPP Aesculus hippocastanum Ir 5 -1 Horse-chestnut A Tra AGANEPE Agastache nepetoides R3 8 3 Yellow Giant Hyssop N Fo AGATENU Agalinis tenuifolia VU 7 -3 Slender-leaved Agalinis N Fo AGRCRIS Agropyron cristatum Ir 5 -1 Crested W heat Grass A Gr AGRGIGA Agrostis gigantea Ic 0 -2 Redtop A Gr AGRGITH Agrostemma githago Ir 3 -1 Corn-cockle A Fo AGRGRYP Agrimonia gryposepala C 2 2 Agrimony N Fo AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N Fo	ADLFUNG	Adlumia fungosa	R1	8	5			Climbing Fumitory	N Forb
AGANEPE Agastache nepetoides R3 8 3 Yellow Giant Hyssop N For AGATENU Agalinis tenuifolia VU 7 -3 Slender-leaved Agalinis N For AGRCRIS Agropyron cristatum Ir 5 -1 Crested W heat Grass A Grad Agrostis gigantea Ic 0 -2 Redtop A Grad Agrostis gigantea Ir 3 -1 Corn-cockle A For AGRGITH Agrostemma githago Ir 3 -1 Corn-cockle A For AGRGRYP Agrimonia gryposepala C 2 2 Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N FOR AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N FOR AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N FOR AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N FOR AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N FOR AGRPARV Agrimonia PAGRPARV Agrimonia PAGRPARV Agrimonia PAGRPARV Agrimonia PAGRPARV Agrimonia PAGRPARV Agrimonia PAGRPARV Agri	AEGPODA	Aegopodium podagraria	lu		0		-3	Goutweed	A Forb
AGATENU Agalinis tenuifolia VU 7 -3 Slender-leaved Agalinis N For AGRCRIS Agropyron cristatum Ir 5 -1 Crested Wheat Grass A Grader Agrostis gigantea Ic 0 -2 Redtop A Grader Agrostis gigantea Ir 3 -1 Corn-cockle A For AGRGRYP Agrimonia gryposepala C 2 2 Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For Agrimonia gryposepala R4 4 -1 S3 Small-flowered Agrimony N For Agrimon	AESHIPP	Aesculus hippocastanum	Ir		5		-1	Horse-chestnut	A Tree
AGRCRIS Agropyron cristatum Ir 5 -1 Crested Wheat Grass A Gr AGRGIGA Agrostis gigantea Ic 0 -2 Redtop A Gr AGRGITH Agrostemma githago Ir 3 -1 Corn-cockle A Fo AGRGRYP Agrimonia grypos epala C 2 2 Agrimony N Fo AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N Fo	AGANEPE	Agastache nepetoides	R3	8	3			Yellow Giant Hyssop	N Forb
AGRGIGA Agrostis gigantea Ic 0 -2 Redtop A Gr AGRGITH Agrostemma githago Ir 3 -1 Corn-cockle A Fo AGRGRYP Agrimonia grypos epala C 2 2 Agrimony N Fo AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N Fo	AGATENU	Agalinis tenuifolia	VU	7	-3			Slender-leaved Agalinis	N Forb
AGRGITH Agrostemma githago Ir 3 -1 Corn-cockle A Fo AGRGRYP Agrimonia gryposepala C 2 2 Agrimony N Fo AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N Fo	AG RC RIS	Agropyron cristatum	Ir		5		-1	Crested Wheat Grass	A Grass
AGRGRYP Agrimonia gryposepala C 2 2 Agrimony N For AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N For	AGRGIGA	Agrostis gigantea	lc		0		-2	Redtop	A Grass
AGRPARV Agrimonia parviflora R4 4 -1 S3 Small-flowered Agrimony N Fo	AGRGITH	Agrostemma githago	lr		3		-1	Corn-cockle	A Forb
3 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	AGRGRYP	Agrimonia grypos epala	С	2	2			Agrimony	N Forb
AGREER Agreetic parentage VII 5 1 Autumn Bent Grace N.Gr	AGRPARV	Agrimonia parviflora	R4	4	-1	S3		Small-flowered Agrimony	N Forb
Activities Agrostis pereintaris	AGRPERE	Agrostis perennans	VU	5	1			Autumn Bent Grass	N Grass

SP CODE	SCI_NAME	MIDD	СС	CW	SRANK	WEED	COM_NAME	PHYSIOG
	Agrimonia pubescens	VU	7	5	S4		Hairy Agrimony	N Forb
	Agrostis scabra	R1	6	0			Rough Hair Grass	N Grass
AGRSTOL	•	С	0	-3			Creeping Bent Grass	N Grass
AILALTI	Ailanthus altissima	Ir		5		-1	Tree-of-Heaven	A Tree
ALCROSE	Alcea rosea	Ir		5		-1	Hollyhock	A Forb
ALLBURD	Allium burdickii	R1	9	3			Wild Leek	N Forb
ALLCANA	Allium canadense	U	8	3			Wild Garlic	N Forb
ALLSATI	Allium sativum	Ir		5		-1	Garlic	A Forb
ALLSCHO	Allium schoenoprasum	Ir	9	3			WILD CHIVES	N Forb
ALLVINE	Allium vineale	Ir		3		-1	Field Garlic	A Forb
ALNGLUT	Alnus glutinosa	lu		-2		-3	Black Alder	A Tree
LOAEQU		R2	7	-5			Short-awned Foxtail	N Grass
LOGENI	Alopecurus geniculatus	Ir	•	-5		-1	Water Foxtail	A Grass
LOPRAT	, ,	lu		-3		-1	Meadow Foxtail	A Grass
LYALYS	Alyssum alyssoides	lu		5		-1	Pale Alyssum	A Forb
	Amaranthus albus	lu		3		-1	Tumbling Pigweed	A Forb
MABLIT	Amaranthus blitoides	lu		5		-1	Prostrate Pigweed	A Forb
	Amaranthus hybridus	lu		5		-1	Smooth Pigweed	A Forb
	Am aranthus powellii	Ir		5		-1	Green Pigweed	A Forb
	Amaranthus retroflexus	Ic		2		-1	Redroot Pigweed	A Forb
	Amaranthus tuberculatus	R4	6	-5		-1	Water-hemp	N Forb
	Ambros ia artemisiifolia	C C	0	3			·	N Forb
MBPSIL			U	1		4	Common Ragweed	A Forb
	Ambrosia psilostachya	lr C	0			-1	Perennial Ragweed	
MBTRIF	Ambrosia trifida	С	5	-1 3			Giant Ragweed	N Forb N Tree
	Amelanchier arborea	С					Juneberry	
MELAEV	Am elanchier laevis	U	5	5	0.4		Smooth Juneberry	N Tree
	Amelanchier sanguinea	R4	7	5	S4		Juneberry	N Shrub
MESPIC	Amelanchier spicata	R1	7	3	0.4		Tall Juneberry	N Shrub
	Amorpha fruticosa	lr .	5	-4	S1		False Indigo	N Shrub
	Amphicarpaea bracteata	C	4	0			Hog-peanut	N Forb
NAARVE	Anagallis arvensis	lr	_	4		-1	Scarlet Pimpernel	A Forb
	Anaphalis margaritacea	R3	3	5			Pearly Everlasting	N Forb
	Andropogon gerardii	С	7	1			Big Bluestem	N Grass
NDPOLI	Androm eda polifolia	R2	10	-5			Bog-Rosemary	N Shrub
NDVIRG	Andropogon virginicus	U	5	1	S2S3		Broom-sedge	N Grass
	Anemone canadensis	С	3	-3			Canada Anemone	N Forb
NECYLI	Anemone cylindrica	VU	7	5			Long-fruited Thimbleweed	N Forb
NEGRAV	Anethum graveolens	Ir		5		-1	Dill	A Forb
NEQUIN	An emone quinquefolia	С	7	0			Wood Anemone	N Forb
NETHAL	Anemonella thalictroides	R2	8	5	S4		Rue-anemone	N Forb
NEVIRG	Anemone virginiana	С	4	5			Thimbleweed	N Forb
NGATRO	Angelica atropurpurea	С	6	-5			Angelica	N Forb
NTCOTU	Anthemis cotula	lu		3		-1	Stinking Mayweed	A Forb
NTHOWE	Antennaria howellii	Χ	2	5			Pussytoes	N Forb
NTNEGL	Antennaria neglecta	Χ	3	5			Pussytoes	N Forb
NTODOR	Anthoxanthum odoratum	Ir		3		-1	Sweet Vernal Grass	A Grass
NTPARL	Antennaria parlinii	U	2	5			Plantain-leaved Everlasting	N Forb
NTSYLV	Anthris cus sylvestris	Ir		5		-2	Wild Chervil	A Forb
NTTINC	Anthemis tinctoria	lh		5		-1	Yellow Chamomile	A Forb
DEODIO	Apera spica-venti	Ir		5		-1	Wind Grass	A Grass
PESPIC	Apora opioa vonti							

SP CODE	SCI_NAME	MIDD	СС	CW	SRANK	WEED	COM_NAME	PHYSIOG
APLHYEM	_	Rh	10	1	S2		Putty-root	N Forb
	Apocynum androsaemifolium	С	3	5			Spreading Dogbane	N Forb
	Apocynum cannabinum	С	3	0			Indian Hemp	N Forb
	Aquilegia canadensis	С	5	1			Wild Columbine	N Forb
ARACANA	, ,	R2	7	5	S4		Sickle-pod	N Forb
ARAGLAB	Arabis glabra	R2	4	5			Tower Mustard	N Forb
ARALAEV	Arabis laevigata	VU	5	5			Smooth Rock-cress	N Forb
ARALYRA	Arabis lyrata	R3	7	4	S4		Lyre-leaved Rock-cress	N Forb
ARANUDI	Aralia nudicaulis	C	4	3	04		Wild Sarsaparilla	N Forb
_	Aralia racemosa	С	7	5			Spikenard	N Forb
ARCLAPP	Arctium lappa	Ir	•	5		-2	Great Burdock	A Forb
ARCMINU	Arctium rappa Arctium minus	Ic		5		-2	Common Burdock	A Forb
AREBULB		-	10	-5		-2	Arethusa	N Forb
-	Arethusa bulbosa	R1	10	0		-2		
	Arenaria serpyllifolia	Ic	_	-	00	-2	Thyme-leaved Sandwort	A Forb
ARIDRAC	Arisaema dracontium	U	9	-3	S3		Green Dragon	N Forb
ARINECO	Aristida necopina	R1	8	5	S2		Three-awn	N Grass
ARITRIP	Arisaema triphyllum	C	5	-2			Jack-in-the-pulpit	N Forb
ARMLACU		R1	9	-5			Lake Cress	N Forb
	Armoracia rusticana	Ir		0		-1	Horseradish	A Forb
	Aronia melanocarpa	VU	7	-3			Chokeberry	N Shrub
ARRELAT	Arrhenatherum elatius	lu		3		-1	Tall Oat Grass	A Grass
ARTABSI	Artemisia absinthium	I		5		-1	Absinth	A Forb
ARTBIEN	Artemisia biennis	Ir		-2		-1	Biennial Wormwood	A Forb
	Artemisia campestris	R1	8	0			Sagewort Wormwood	N Forb
	Artemisia pontica	Ir		5		-1	Roman Wormwood	A Shrub
	Artemisia vulgaris	Ir		5		-1	Mugwort	A Forb
	Asarum canadense	С	6	5			W ild-ginger	N Forb
ASCEXAL	Asclepias exaltata	VU	8	5			Poke Milkweed	N Forb
ASCINCA	Asclepias incarnata	С	6	-5			Swamp Milkweed	N Forb
ASCSULL	Asclepias sullivantii	R1	8	5	S2		Sullivant's Milkweed	N Forb
ASCSYRI	Asclepias syriaca	С	0	5			Common Milkweed	N Forb
ASCTUBE	Asclepias tuberosa	U	8	5			Butterfly-weed	N Forb
ASITRIL	Asimina triloba	R2	10	0	S3		Pawpaw	N T ree
ASPOFFI	As paragus officinalis	Ic		3		-1	Garden Asparagus	A Forb
ASPPLAT	Asplenium platyneuron	R4	6	3			Ebony Spleenwort	N Fern
ASTBORE	Aster borealis	R3	10	-5			Rush Aster	N Forb
ASTCORD	Aster cordifolius	С	5	5			Heart-leaved Aster	N Forb
ASTERIC	Aster ericoides	С	4	4			Heath Aster	N Forb
ASTLAEV	Aster laevis	С	7	5			Smooth Aster	N Forb
ASTLANC	Aster lanceolatus	С	3	-3			Panicled Aster	N Forb
ASTLATE	Aster lateriflorus	С	3	-2			Calico Aster	N Forb
ASTMACR	Aster macrophyllus	С	5	5			Large-leaved Aster	N Forb
ASTNEGL	Astragalus neglectus	R2	9	4			Cooper's Milk-vetch	N Forb
ASTNOVA	Aster novae-angliae	С	2	-3			New England Aster	N Forb
ASTOOLE	Aster oolentangiensis	R1	9	5			Azure Aster	N Forb
ASTPILO	Aster pilosus	U	4	2			Hairy Aster	N Forb
ASTPRAE	Aster praealtus	R1	8	-3	S1		W illow Aster	N Forb
ASTPUNI	Aster puniceus	Χ	6	-5			Purple-stemmed Aster	N Forb
ASTSCHR	·	R2	8	5	S2		Schreber's Aster	N Forb
	Aster umbellatus	VU	6	-3			Flat-topped W hite Aster	N Forb
ASTUMBE								

SP_CODE	SCI_NAME	MIDD	СС	CW	SRANK	WEED	COM_NAME	PHYSIOG
ATH FILI	Athyrium filix-femina	Χ	4	0			Northeastern Lady Fern	N Fern
ATHPYCN	Athyrium pycnocarpon	R1	10	1			Glade Fern	N Fern
ATHTHEL	Athyrium thelypterioides	Х	8	0			Silvery Glade Fern	N Fern
ATRPATU	Atriplex patula	Χ	0	-2			Spearscale	N Forb
AURFLAV	Aureolaria flava	R2	10	5	S4		Yellow False Foxglove	N Forb
AVEFATU	Avena fatua	Ir		5		-1	Wild Oats	A Grass
AVESATI	Avena sativa	Ir		5		-1	Oats	A Grass
BARVIRG	Bartonia virginica	Rh	9	-4	S2		Virginian Bartonia	N Forb
BARVULG	Barbarea vulgaris	Ic		0		-1	Winter Cress	A Forb
BECSYZI	Beckmannia syzigachne	Rh	4	-5			American Slough Grass	N Grass
BELPERE	Bellis perennis	Ir		5		-1	English Daisy	A Forb
BERINCA	Berteroa incana	1		5		-3	Hoary Alyssum	A Forb
BERTHUN	Berberis thunbergii	ı		4		-3	Japanese Barberry	A Shrub
BERVULG	Berberis vulgaris	1		3		-2	Common Barberry	A Shrub
BETALLE	Betula alleghaniensis	Х	6	0			Yellow Birch	N Tree
BETPAPY	Betula papyrifera	X	2	2			Paper Birch	N Tree
BETPEND	Betula pendula	Ir		-4		-3	European White Birch	A Tree
ВЕТРИМІ	Betula pumila	*	9	-5			Swamp Birch	N Shrub
BIDCERN	Bidens cernua	Χ	2	-5			Nodding Beggarticks	N Forb
BIDCORO	Bidens coronata	Rh	9	-5	S2		Southern Tickseed	N Forb
BIDDISC	Bidens discoidea	R2	6	-3	S3		Small Beggarticks	N Forb
BIDFRON	Bidens frondosa	Χ	3	-3			Devil's Beggarticks	N Forb
BIDTRIP	Bidens tripartita	Х	4	-3			Beggarticks	N Forb
BIDVULG	Bidens vulgata	Χ	5	-3			Tall Beggarticks	N Forb
BOECYLI	Boehmeria cylindrica	X	4	-5			False Nettle	N Forb
BOTDIDI	Botrychium dissectum	X	6	0			Dissected Grape Fern	N Fern
BOTMATR	Botrychium matricariifolium	R2	7	3			Daisy-leaved Grape Fern	N Fern
BOTMULT	Botrychium multifidum	R2	6	3			Leather-leaved Grape Fern	N Fern
BOTONEI	Botrychium oneidense	R2	8	5			Blunt-lobed Grape Fern	N Fern
BOTRUGU	Botrychium rugulosum	R1	6	5	S2		Rugulose Grape Fern	N Fern
BOTVIRG	Botrychium virginianum	Х	5	3			Rattlesnake Fern	N Fern
BRAEREC	Brachyelytrum erectum	X	7	5			Bearded Shorthusk	N Grass
BRAJUNC	Brassica juncea	1		5		-1	Indian Mustard	A Forb
BRANIGR	Brassica nigra	1		5		-1	Black Mustard	A Forb
BRARAPA	Brassica rapa	?		5		-1	Field Mustard	A Forb
BRASCHR	Brasenia schreberi	R2	7	-5			W ater-s hield	N Forb
BRIMEDI	Briza media	Ir		0		-1	Quaking Grass	A Grass
BROBRIZ	Bromus briziformis	lh		5		-1	Quake Grass	A Grass
BROCILI	Bromus ciliatus	X	6	-3			Fringed Brome	N Grass
вкосомм	Bromus commutatus	1		5		-1	Hairy Chess	A Grass
BROEREC	Bromus erectus	Ir		5		-1	Upright Brome	A Grass
BROINER	Bromus inermis	lc		5		-3	Smooth Brome	A Grass
BROJAPO	Bromus japonicus	ı		3		-1	Japanese Brome	A Grass
BROKALM	Bromus kalmii	R3	8	0	S4		Kalm's Brome	N Grass
BROLATI	Bromus latiglumis	U	7	-2			Tall Brome	N Grass
BROPUBE	Bromus pubescens	R2	7	3	S4		Canada Brome	N Grass
BROSECA	Bromus secalinus	ı		5		-1	Cheat	A Grass
BROSQUA	Bromus squarrosus	lr		5		-1	Chess	A Grass
	Bromus tectorum	1		5		-2	Downy Chess	A Grass
BUGARVE		lr		5		-1	Corn Gromwell	A Forb
BULCAPI	Bulbostylis capillaris	Ir	5	2	S3		Bulbostylis	N Sedge
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SP_CODE	SCI_NAME	MIDD	СС	CW	SRANK	WEED	COM_NAME	PHYSIOG
CACPLAN	_	R1	10	0	S3		Indian-plantain	N Forb
CALCANA	Calamagrostis canadensis	X	4	-5			Canada Blue-joint	N Grass
CALEPIG	Calamagrostis epigejos	lr		0		-1	Feathertop	A Grass
CALLONG	Calamovilfa longifolia	lr	10	5	S3		Long-leaved Reed Grass	N Grass
CALPALU	Caltha palustris	С	5	-5			Marsh-marigold	N Forb
CALSEPI	Calystegia sepium	Χ	2	0			Hedge Bindweed	N Forb
CALSTRI	Calamagrostis stricta	VU	8	-4	S5		Northern Reed Grass	N Grass
CALTUBE	Calopogon tuberosus	R4	9	-5			Grass-pink	N Forb
CAMAMER	Campanula americana	R2	8	0	S4		Tall Bellflower	N Forb
CAMAPAR	Campanula aparinoides	VU	7	-5			Mars h-bellflower	N Forb
CAMMICR	Camelina microcarpa	I		5		-1	Small-seeded False Flax	A Forb
CAMRADI	Campsis radicans	Ir	3	0	S1		Trumpet Creeper	N Vine
CAMRAPU	Campanula rapunculoides	Ir		5		-2	Creeping Bellflower	A Forb
CAMROTU	Campanula rotundifolia	VU	7	1			Harebell	N Forb
CANSATI	Cannabis sativa	Ir		0		-1	Marijuana	A Forb
CAPBURS	Capsella bursa-pastoris	Ic		1		-1	Shepherd's-purse	A Forb
CARALBU	Carex albursina	С	7	5			White-bear Sedge	N Sedge
CARALOP	Carex alopecoidea	U	6	-4			Foxtail Sedge	N Sedge
CARAQUA	Carex aquatilis	VU	7	-5			Water Sedge	N Sedge
CARATHE	Carex atherodes	R3	6	-5			Slough Sedge	N Sedge
CARATLA	Carex atlantica	R1	10	-3	S1		Prickly Bog Sedge	N Sedge
CARAURE	Carex aurea	С	4	-4			Golden-fruit Sedge	N Sedge
CARBEBB	Carex bebbii	С	3	-5			Bebb's Sedge	N Sedge
CARBLAN	Carex blanda	С	3	0			Woodland Sedge	N Sedge
CARBREV	Carex brevior	R3	7	0			Short-headed Sedge	N Sedge
CARBROM	Carex bromoides	С	7	-4			Brome-like Sedge	N Sedge
	Carex brunnescens	R2	7	-3			Brownish Sedge	N Sedge
	Carex canescens	VU	7	-5			Hoary Sedge	N Sedge
	Carex careyana	VU	10	5	S2		Carey's Sedge	N Sedge
	Carpinus caroliniana	С	6	0			Blue-beech	N Tree
	Carex cephaloidea	U	6	2			Thin-leaf Sedge	N Sedge
	Carex cephalophora	С	5	3			Oval-leaf Sedge	N Sedge
	Carex chordorrhiza	R1	10	-5			Creeping Sedge	N Sedge
	Carex communis	С	6	5			Common Sedge	N Sedge
	Carex comosa	С	5	-5			Bearded Sedge	N Sedge
CARCONO	Carex conoidea	R1	9	2	S3		Field Sedge	N Sedge
	Carya cordiformis	Χ	6	0			Bitternut Hickory	N Tree
	Carex crawei	R1	10	-3			Crawe's Sedge	N Sedge
CARCRIN	Carex crinita	С	6	-4			Fringed Sedge	N Sedge
CARCRIS	Carex cristatella	С	3	-4			Crested Sedge	N Sedge
CARCRYP		R1	7	-5			Northeastern Sedge	N Sedge
	Carex deweyana	С	6	4			Short-scale Sedge	N Sedge
CARDIAN	•	R4	7	-5			Lesser Panicled Sedge	N Sedge
CARDIGI	Carex digitalis	U	7	5			Finger Sedge	N Sedge
CARDISP	Carex disperma	VU	8	-5			Soft-leaf Sedge	N Sedge
	Carex eburnea	VU	6	4			Bristle-leaf Sedge	N Sedge
		U	8	- 5	S3		Emory's Sedge	N Sedge
	Carex emoryi		0		33	1	, ,	
	Carex flacca	lh C	-	0		-1	Sedge Valley Sedge	A Sedge
CARFLAV		C	5	-5	0.0		Yellow Sedge	N Sedge
	Carex formosa	R4	6	-2	S3		Handsome Sedge	N Sedge
CARGARB	Carex garberi	R1	10	-3			Elk Sedge	N Sedge

SD CODE	SCI_NAME	MIDD	СС	CW	SDANK	WEED	COM_NAME	PHYSIOG
CARGLAB		R1	9	3	S2	WEED	Sweet Pignut Hickory	N Tree
	Carex granularis	С	3	-4	02		Meadow Sedge	N Sedge
CARGRAY		U	8	-4			Asa Gray's Sedge	N Sedge
CARGRAI	<u> </u>	С	8	1			Sedge	N Sedge
	Carex grisea						•	0
CARHIRF	Carex hirtifolia	C	5	5	00	4	Hairy Sedge	N Sedge
CARHIRS	Carex hirs utella	R1	0	3	S2	-1	Sedge	A Forb
CARHITC	Carex hitchcockiana	C	6 5	5 -5			Hitchcock's Sedge	N Sedge
	Carex hystericina			-5 -5			Hybrid Sedge	N Sedge
	Carex hystericina Carex interior	С	5				Porcupine Sedge	N Sedge
CARINTE			-	-5			Inland Sedge	N Sedge
CARINTU	Carex intumescens	С	6	-4	0.0		Bladder Sedge	N Sedge
	Carex jamesii	U	8	5	S3		James' Sedge	N Sedge
	Carex lacustris	С	5	-5	-		Lake Sedge	N Sedge
CARLAEV	Carex laevivaginata	U	8	-5	S4		Smooth-sheathed Sedge	N Sedge
CARLANU	Carex lanuginosa	С	4	-5			Woolly Sedge	N Sedge
CARLASI	Carex lasiocarpa	R4	8	-5			Hairy-fruited Sedge	N Sedge
CARLAXC	Carex laxiculmis	U	7	5	S4		Loose-stemmed Sedge	N Sedge
CARLAXI	Carex laxiflora	С	5	0			Distant-flowered Sedge	N Sedge
CARLEPN	·	U	5	0			Finely-nerved Sedge	N Sedge
CARLEPT	Carex leptalea	U	8	-5			Bristle-stalked Sedge	N Sedge
CARLIMO	Carex limosa	R2	10	-5			Sedge	N Sedge
CARLUPF	Carex lupuliformis	R1	10	-4	S1		Hop-like Sedge	N Sedge
CARLUPU	Carex lupulina	С	6	-5			Hop Sedge	N Sedge
CARLURI	Carex Iurida	R1	6	-5			Sallow Sedge	N Sedge
CARMEAD	Carex meadii	R2	9	0	S2		Mead's Sedge	N Sedge
CARMOLE	Carex molesta	U	5	2	S4		Troublesome Sedge	N Sedge
CARMUSK	Carex muskingumensis	R1	9	-5	S2		Muskingum Sedge	N Sedge
CARNORM	Carex normalis	VU	6	-3			Right-angled Sedge	N Sedge
CAROVAT	Carya ovata	Χ	6	3			Shagbark Hickory	N Tree
CARPALL	Carex pallescens	R4	5	3			Pale Sedge	N Sedge
CARPARR	Carex parryana	Ir		-2		-1	Parry's Sedge	A Sedge
CARPAUC	Carex pauciflora	?	10	-5			Few-flowered Sedge	N Sedge
CARPECK	Carex peckii	R3	6	5			Peck's Sedge	N Sedge
CARPEDU	Carex pedunculata	С	5	5			Peduncled Sedge	N Sedge
CARPENS	Carex pensylvanica	С	5	5			Pennsylvania Sedge	N Sedge
CARPLAN	Carex plantaginea	С	7	5			Plantain-leaved Sedge	N Sedge
CARPRAE	Carex praegracilis	lu		-3		-1	Very Slender Sedge	A Sedge
CARPRAI	Carex prairea	R3	7	-4			Prairie Sedge	N Sedge
CARPRAS	Carex prasina	VU	10	-5	S3		Drooping Sedge	N Sedge
CARPROJ	Carex projecta	U	5	-4			Spreading Sedge	N Sedge
CARPSEU	Carex pseudo-cyperus	U	6	-5			Cyperus-like Sedge	N Sedge
CARRADI	Carex radiata	С	4	5			Sedge	N Sedge
CARRICH	Carex richardsonii	R1	9	5	S4		Richardson's Sedge	N Sedge
	Carex rosea	С	5	5			Sedge	N Sedge
CARRUGO	Carex rugosperma	R1	7	5			Wrinkled-seeded Sedge	N Sedge
	Carex scabrata	U	8	-5			Rough Sedge	N Sedge
	Carex schweinitzii	R1	9	-5			Schweinitz's Sedge	N Sedge
	Carex sparganioides	U	5	0			Bur-reed Sedge	N Sedge
CARSPIC	Carex spicata	lc		5		-1	Spiked Sedge	A Sedge
	Carex sprengelii	U	6	0			Sprengel's Sedge	N Sedge
		_	•	-			-rgo.o oougo	coago

SP_CODE	SCI_NAME	MIDD	СС	CW	SRANK	WEED	COM_NAME	PHYSIOG
	Carex sterilis	R2	10	-5			Sterile Sedge	N Sedge
CARSTIP	Carex stipata	С	3	-5			Awl-fruited Sedge	N Sedge
CARSTRI	Carex stricta	С	4	-5			Tussock Sedge	N Sedge
CARSUBE	Carex suberecta	R1	10	-5	S1		Sedge	N Sedge
CARSWAN	Carex swanii	R2	7	3	S3		Swan's Sedge	N Sedge
CARSYLV	Carex sylvatica	Ir		-1		-1	Wood Sedge	A Sedge
CARTENE	Carex tenera	U	4	-1			Slender Sedge	N Sedge
CARTENU	Carex tenuiflora	Rh	10	-5			Sparse-flowered Sedge	N Sedge
CARTETA	Carex tetanica	R4	8	-3	S2		Rigid Sedge	N Sedge
CARTORT	Carex torta	Rh	10	-5	SX		Sedge	N Sedge
CARTRIB	Carex tribuloides	U	5	-4			Blunt-broom Sedge	N Sedge
CARTRIC	Carex trichocarpa	U	8	-5	S2		Hairy-fruited Sedge	N Sedge
CARTRIS	Carex trisperma	R4	9	-5			Three-fruited Sedge	N Sedge
	Carex tuckermanii	VU	7	-5			Tuckerman's Sedge	N Sedge
	Carex umbellata	R2	7	5			Umbellate Sedge	N Sedge
CARUTRI	Carex utriculata	U	7	-5			Beaked Sedge	N Sedge
CARVESI	Carex vesicaria	R1	7	-5			Inflated Sedge	N Sedge
CARVIRI	Carex viridula	VU	5	-5			Greenish Sedge	N Sedge
	Carex vulpinoidea	С	3	-5			Fox Sedge	N Sedge
	Carex woodii	С	6	0	S4		Wood's Sedge	N Sedge
	Carex x copulata	VU	7				(C. digitalis X C. laxiculmis)	N Sedge
	Castilleja coccinea	R1	9	0			Indian Paintbrush	N Forb
	Castanea dentata	VU	8	5	S3		American Chestnut	N Tree
	Caulophyllum thalictroides	X	6	5			Blue Cohosh	N Forb
	Ceanothus americanus	R2	7	5			New Jersey Tea	N Shrub
CELOCCI	Celtis occidentalis	X	8	1			Common Hackberry	N Tree
CELSCAN	Celastrus scandens	Х	3	3			Climbing Bitters weet	N Vine
CELTENU	Celtis tenuifolia	R1	10	5	S2		Dwarf Hackberry	N Shrub
	Centaurium erythraea	Ir		-4		-1	Centaury	A Forb
	Centaurea jacea	T		5		-1	Brown Knapweed	A Forb
	Cenchrus longispinus	R3	3	5	S4		Long-spined Sandbur	N Grass
CENMACU	Centaurea rhenana	1		5		-3	Spotted Knapweed	A Forb
CENPULC	Centaurium pulchellum	Ir		4		-1	Beautiful Centaury	A Forb
CEPOCCI	·	X	7	-5			Buttonbush	N Shrub
CERARVE	CERASTIUM ARVENSE	lvu		5		-1	FIELD CHICKWEED	A Forb
	Cercis canadensis	Ir	8	3	SX		Redbud	N Tree
CERDEME	Ceratophyllum demersum	VU	4	-5			Common Coontail	N Forb
	Cerastium fontanum	lc		3		-1	Mouse-eared Chickweed	A Forb
	Cerastium glomeratum	lr		5		-1	Chickweed	A Forb
	Cerastium nutans	R1	4	2			Nodding Chickweed	N Forb
CERSEMI	Cerastium semidecandrum	lu		5		-1	Spring Mouse-eared Chickweed	A Forb
CHACALY	Chamaedaphne calyculata	R2	9	-5			Leatherleaf	N Shrub
	Chamaesyce glyptosperma	ı		5		-1	Engraved Spurge	A Forb
CHAMACU	Chamaes yce maculata	1		4		-1	Hairy-fruited Spurge	A Forb
CHAMINU	Chaenorrhinum minus	lc		5		-1	Dwarf Snapdragon	A Forb
CHANUTA	Chamaesyce nutans	VU	0	3			Eyebane	N Forb
CHASERP	Chamaesyce serpyllifolia	lr		5		-1	Thyme-leaved Spurge	A Forb
CHAVERM	Chamaes yce vermiculata	Χ	0	5			Hairy-stemmed Spurge	N Forb
CHEALBU	Chenopodium album	ı		1		-1	Lamb's-quarters	A Forb
	·	Ir		4		-1	Jerusalem-oak	A Forb
CHEBOTR	Chenopodium botrys	- 11					ooracaiom can	

CHEGLAU Chenopodium glacum 1	SP CODE	SCI_NAME	MIDD	СС	CW	SRANK	WEED	COM_NAME	PHYSIOG
CHECAL Chenopodium glaucum									N Forb
CHESIMP Chelesonum majus I 5 -3 Celesoflum A Forb CHESIMP Chenopodium simplex VU 0 5 Maple-leaved Goseflot N Forb CHRAME Chysopoplenum americanum X 8 -5 Colden Saxifrage N Forb CICINTY Clohorum injubus Ic 5 -1 Chicopy A Forb CICINTY Clohorum injubus Ic 5 -1 Chicopy A Forb CICINTY Clohorum injubus Ic 5 -1 Chicopy A Forb CIRARU Circula maculata X 6 -5 Spoted Water-hemlock N Forb CINATI Circaes alpha X 6 -3 Small Enchanters-nighthade N Forb CIRARU Circaes alpha X 6 -3 Small Enchanters-nighthade N Forb CIRALDI Circaes alpha X 8 -5 Swall Enchanters-nighthade N Forb CIRALDI Circaes alvetaina X <	CHEGLAU	Chenopodium glaucum	1		-3		-1	Oak-leaved Goosefoot	A Forb
CHESIMD Chenopodium simplex VU 0 5 Maple-leaved Gooseloot N Forb CHIUMBE Chinaphila umbeliata R2 8 5 Pipsassowa N Forb CICBULB Cicuta bublishera X 5 5 Bublishearing Water-henlock N Forb CICRATU Cichorum Implous Ic 5 -1 Chicory A Forb CICRACU Cicuta mudinacea X 6 5 -5 Spotted Water-hemlock N Forb CIRALTI Cinna auridinacea X 6 -3 Stott Wood Grass N Grass CIRALTI Cinna latifolia R2 7 -4 Drooping Woodreed N Forb CIRALTI Cinna distrolia R2 7 -3 Small Enchanter's-nightshade N Forb CIRALTI Cincia distrolia R1 9 5 SS Field Thistle N Forb CIRALTI Circia distrolia R1 9 5 SS Field Thistle N Forb <th< td=""><td>CHEGLAU</td><td>Chenopodium glaucum</td><td>ı</td><td></td><td>-3</td><td></td><td>-1</td><td>Oak-leaved Goosefoot</td><td>A Forb</td></th<>	CHEGLAU	Chenopodium glaucum	ı		-3		-1	Oak-leaved Goosefoot	A Forb
CHICAMBE Chrisophila umbeliata R2 8 6 Pipsissewa N Forb	CHEMAJU	Chelidonium majus	1		5		-3	Celandine	A Forb
CHRANE Chrysospienium americanum X	CHESIMP	Chenopodium simplex	VU	0	5			Maple-leaved Goos efoot	N Forb
CIGNATU Cichorium intipbus Ic 5 -1 Chicory A Forb	CHIUMBE	Chimaphila umbellata	R2	8	5			Pipsissewa	N Forb
CICINTY Cichorium intybus Ic 5 -1 Chicony A Forb CICMACU Ciculum maculitat X 6 -5 Spotted Water-hemlock N Forb CINARUN Cinna arundinacea X 7 -3 SA Stout Wood Grass N Grass CINARUN Circona alundinacea X 7 -3 SA Stout Wood Grass N Grass CIRALPI Circona diutation R 2 7 -4 Drooping Woodneed N Forb CIRALPI Circona diutation X 6 -3 Small Enhanter'snightshade N Forb CIROSC Cirsium discolor R1 9 5 S5 Field Thistle N Forb CIRUTE Circoae lutetina X 8 -5 Swamp Thistle N Forb CIRVUE Circoae lutetina X 8 -5 Swamp Thistle N Forb CLAMARI Cladium mariscoldes R1 9 -5 Twijerush N Sedge	CHRAMER	Chrysosplenium americanum	Х	8	-5			Golden Saxifrage	N Forb
CICMACU Cicuta maculata	CICBULB	Cicuta bulbifera	X	5	-5			Bulb-bearing Water-hemlock	N Forb
CINRAUN Cinna arundinacea X 7 -3 S4 Stout Wood Grass N Grass CINLATI Cinna Laffolios R2 7 -4 Drooping Woodreed N Grass CIRALPI Circaea alpina X 6 -3 Small Enchanter's-nightshade N Forb CIRAUFE Cirsium arvense Ic 3 -1 Canada Thistle A Forb CIRUTE Circaea lutetiana X 3 3 Enchanter's-nightshade N Forb CIRUTE Circaea lutetiana X 8 -5 Swamp Thistle N Forb CIRWILG Cirsium vulgare I 4 -1 Ball Thistle A Forb CLAGRO Clayonia carcininana R3 7 3 Spring Beauty N Forb CLAYIRG Clayonia verginica C 5 3 Narrow-leaved Spring Beauty N Forb CLEVIRS Clemas surginina C 5 3 Narrow-leaved Spring Beauty N Forb CLEVIRS Clemass	CICINTY	Cichorium intybus	Ic		5		-1	Chicory	A Forb
CINLATI Cinna latifolia R.2 7 -4 Drooping Woodred N Grass CIRALPI Circaea alpina X 6 -3 Small Enchanter's-nightshade N Forb CIRALPIC Cirsium discolor R1 9 5 S5 Field Thistle N Forb CIRDITE Circaea lutetiana X 3 3 Enchanter's-nightshade N Forb CIRNUTI Cirsium discolor X 8 -5 Swamp Thistle N Forb CIRVILG Cirsium vulgare I 4 -1 Buil Thistle A Forb CLACARO Ciadyonia caroliniana R3 7 3 Spring Beauty N Forb CLAVIRO Cladyonia virginica C 5 3 Narrow-leaved Spring Beauty N Forb CLEHASS Cleome hassieriana Ir 5 -1 Spring Beauty N Forb CLEVIRG Cleoma bassieriana Ir 5 -1 Sprider-lower N Forb CLEVIRG Cleoma bassieri	CICMACU	Cicuta maculata	X	6	-5			Spotted Water-hemlock	N Forb
CIRALPI Circaea alpina X 6 -3 Small Enchanter's-nightshade N Forb CIRARVE Cirsium versee Io 3 -1 Canada Thistle A Forb CIRDISC Circium viscolor R 1 9 5 5 Field Thistle N Forb CIRMUTI Cirsium multicum X 3 3 Enchanter's-nightshade N Forb CIRMUTI Cirsium multicum X 8 -5 Swamp Thistle N Forb CLAGARO Claytonia virgina R 3 7 3 Spring Beauty N Forb CLAVIRG Cladytonia virginica C 5 3 Narrow-leaved Spring Beauty N Forb CLEVIRG Clematis virginica C 5 3 Narrow-leaved Spring Beauty N Forb CLEVIRG Clematis virginica C 5 3 Narrow-leaved Spring Beauty N Forb CLEVIRG Clematis virginica C 5 3 Narrow-leaved Spring Beauty N Forb CLEVIRIG <th< td=""><td>CINARUN</td><td>Cinna arundinacea</td><td>Х</td><td>7</td><td>-3</td><td>S4</td><td></td><td>Stout Wood Grass</td><td>N Grass</td></th<>	CINARUN	Cinna arundinacea	Х	7	-3	S4		Stout Wood Grass	N Grass
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CIRDISC Cirsium discolor R1 9 5 S5 Field Thistle N Forb CIRLUTE Circaes utetiana X 3 3 Enchanter's-nightshade N Forb CIRMUTI Cirsium multicum X 8 -5 Swamp Thistle N Forb CLACARO Claytonia caroliniana R3 7 3 Spring Beauty N Forb CLAVIRG Claytonia virginica C 5 3 Narrow-leaved Spring Beauty N Forb CLEVIRG Claytonia virginica C 5 3 Narrow-leaved Spring Beauty N Forb CLEVIRG Clemats virginiana C 5 3 Narrow-leaved Spring Beauty N Forb CLEVIRG Clemats virginiana C 3 0 Virgin's-bower N Forb CLEVIRG Clemats virginiana C 3 0 Virgin's-bower N Forb CLIPALU Calla patustris VU 8 -5 Wild Calla N Forb CLIPALU Calla p	CIRALPI	Circaea alpina	Χ	6	-3			Small Enchanter's-nightshade	N Forb
CIRLUTE Circaea lutetiana X 3 3 Enchanter's-nightshade N Forb CIRMUID Cirsium mulicum X 8 -5 Swamp Thistle N Forb CIRVULG Cirsium vulgare 1 4 1-1 Bull Thistle A Forb CLACARO Claytonia caroliniana R3 7 3 Spring Beauty N Forb CLAMIRG Cladynina virginiana C 5 3 Narrow-leaved Spring Beauty N Forb CLEVIRG Clematis virginiana C 3 0 Virgin's-bower N Forb CLEVIRG Clinopodium vulgare X 4 5 Wild Basil N Forb CLIVULG Clinopodium vulgare X 4 5 Wild Calla N Forb CLIPALU Calla patustris VU 8 -5 Wild Calla N Forb CLTPALU Callisriche palustris R1 6 -5 Common Water-starwort N Forb COEVIRI Coelogiossum viride R1	CIRARVE	Cirsium arvense	Ic		3		-1	Canada Thistle	A Forb
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CLAMARI Cladium mariscoides R1 9 -5 Twig-rush N Sedge CLAVIRG Claytonia virginica C 5 3 Narrow-leaved Spring Beauty N Forb CLEHASS Cleme hassidriana Ir 5 -1 Spider-flower A Forb CLEVIRG Clematis virginiana C 3 0 Virgin's-bower N Virie CLIBOBC Clintonia borealis X 7 -1 Bluebead Lily N Forb CLIVILG Clintonia borealis X 7 -1 Bluebead Lily N Forb CLIVILG Cilintonia borealis X 4 5 Wild Galla N Forb CLIPALU Callia palustris VU 8 -5 Wild Calla N Forb CLPALT Callitriche palustris R1 6 -5 Common Water-starwort N Forb COLCANA Collisonia canadensis X 8 0 Long-bracted Green Orchid N Forb COLCANA Collisania canadensis	CIRVULG	Cirsium vulgare	1		4		-1	Bull Thistle	A Forb
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COEVIRI Coeloglossum viride R1 8 0 Long-bracted Green Orchid N Forb COLCANA Collinsonia canadensis X 8 0 Horsebalm N Forb COLVERN Collinsia verna Rh 10 3 SX Blue-eyed Mary N Forb COMCOMM Commelina communis Ir 0 -1 Day-flower A Forb COMCOMM Commelina communis Ir 0 -1 Day-flower A Forb COMPERE Comptonia peregrina R1 7 5 Sweet-fern N Shrub COMUMBE Comandra umbellata U 6 3 Bastard-toadflax N Forb CONAMER Conopholis americana R4 9 5 Squawroot N Forb CONARVE Convolvulus arvensis I 5 -1 Field Bindweed A Forb CONCANA Conyza canadensis C 0 1 Horseweed N Forb CONCANA Conyza canadensis C 0 1 Horseweed N Forb CONCHIN Conioselinum chinense R1 10 -5 S3 Hemlock Parsley N Forb CONORIE Contringia orientalis Ir 5 -1 Hare's-ear Mustard A Forb COPTRIF Coptis trifolia X 7 -3 Goldthread N Forb CORALTE Corrus alternifolia X 6 5 Alternate-leaved Dogwood N Tree CORAMER Corylus americana C 5 4 American Hazel N Shrub CORCANA Corrus canadensis X 7 0 Bunchberry N Shrub CORCANA Corrus canadensis X 7 0 Bunchberry N Shrub CORCANA Corrus canadensis X 7 0 Bunchberry N Shrub CORCANA Corrus corrus florida X 7 4 S4S3 Flowering Dogwood N Tree CORFOEM Corrus florida X 7 4 S4S3 Flowering Dogwood N Shrub CORCANA Corropsis grandiflora Ir 5 -1 Large-flowered Coreopsis N Forb CORLANC Coreopsis lanceolata 7 5 3 S2 Lance-leaved Dogwood N Shrub CORCANACU Corallorhiza maculata X 7 4 Spotted Coral-root N Forb	CLLPALU	Calla palus tris	VU	8	-5			Wild Calla	N Forb
COLCANA Collinsonia canadensis X 8 0 Horsebalm N Forb COLVERN Collinsia verna Rh 10 3 SX Blue-eyed Mary N Forb COMCOMM Commelina communis Ir 0 -1 Day-flower A Forb COMCOMM Commelina peregrina R1 7 5 Seweet-fern N Shrub COMUMBE Comandra umbellata U 6 3 Bastard-toadflax N Forb CONAMER Conopholis americana R4 9 5 Squawroot N Forb CONAMER Conopholis arericana R4 9 5 Squawroot N Forb CONANE Convolvulus arvensis I 5 -1 Field Bindweed A Forb CONCANA Conyza canadensis C 0 1 Horseweed N Forb CONCANA Conyza canadensis C 0 1 Horseweed N Forb CONCHIN Conioselinum chinense R1 10 -5 S3 Hemlock Parsley N Forb CONCHIN Coningia orientalis Ir 5 -1 Hare's-ear Mustard A Forb COPTRIF Coptis trifolia X 7 7 -3 Goldthread N Forb CORALTE Cornus alternifolia X 6 5 Alternate-leaved Dogwood N Tree CORAMER Corylus americana C 5 4 American Hazel N Shrub CORAMOM Cornus amomum X 5 -4 Silky Dogwood N Shrub CORCANA Cornus canadensis X 7 0 Bunchberry N Shrub CORCANA Cornus cornuta X 5 5 5 Beaked Hazel N Shrub CORCORN Corylus cornuta X 5 5 6 Beaked Hazel N Shrub CORCORN Cornus florida X 7 4 S4S3 Flowering Dogwood N Tree CORFOEM Cornus florida X 7 4 S4S3 Flowering Dogwood N Shrub CORGRAN Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis N Forb CORLANC Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis N Forb CORLANC Coreopsis lanceolata ? 5 3 S2 Lance-leaved Coreopsis N Forb CORRACU Corallorhiza maculata X 7 4 Spotted Coral-root N Forb	CLTPALT	Callitriche palustris	R1	6	-5			Common W ater-starwort	N Forb
COLVERN Collinsia verna Rh 10 3 SX Blue-eyed Mary N Forb COMCOMM Commelina communis Ir 0 -1 Day-flower A Forb COMPERE Comptonia peregrina R1 7 5 Sweet-fern N Shrub COMUMBE Comandra umbellata U 6 3 Bastard-toadflax N Forb CONAMER Conopholis americana R4 9 5 Squawroot N Forb CONANEVE Convolvulus arvensis I 5 -1 Field Bindweed A Forb CONCANA Conyza canadensis C 0 1 Horseweed N Forb CONCHIN Conioselinum chinense R1 10 -5 S3 Hemlock Parsley N Forb CONORIE Conringia orientalis Ir 5 -1 Hare's-ear Mustard A Forb COPTRIF Coptis trifolia X 7 -3 Goldthread N Forb CORALTE Cornus alternifolia X 6 5 Alternate-leaved Dogwood N Tree CORAMER Corylus americana C 5 4 American Hazel N Shrub CORAMO Cornus canadensis X 7 0 Bunchberry N Shrub CORCANA Corrus canadensis X 7 0 Bunchberry N Shrub CORCORN Corylus cornuta X 5 5 5 Beaked Hazel N Shrub CORCORN Corylus cornuta X 5 5 -1 Large-flowered Coreopsis A Forb CORGRAN Cornos foemina X 2 -2 Grey Dogwood N Shrub CORGRAN Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis N Forb CORCANC Coreopsis lanceolata ? 5 3 S2 Lance-leaved Coreopsis N Forb CORCANC CORUS cornus rugosa X 6 5 Round-leaved Dogwood N Shrub	COEVIRI	Coeloglossum viride	R1	8	0			Long-bracted Green Orchid	N Forb
COMCOMM Commelina communis Ir 0 -1 Day-flower A Forb COMPERE Comptonia peregrina R1 7 5 Sweet-fern N Shrub COMUMBE Comandra umbellata U 6 3 Bastard-toadflax N Forb CONAMER Conopholis americana R4 9 5 Squawroot N Forb CONARVE Convolvulus arvensis I 5 -1 Field Bindweed A Forb CONCANA Conyza canadensis C 0 1 Horseweed N Forb CONCANA Conyza canadensis C 0 1 Horseweed N Forb CONCAIN Conioselinum chinense R1 10 -5 S3 Hemlock Parsley N Forb CONORIE Conringia orientalis Ir 5 -1 Hare's-ear Mustard A Forb COPTRIF Coptis trifolia X 7 7 -3 Goldthread N Forb CORALTE Cornus alternifolia X 6 5 Alternate-leaved Dogwood N Tree CORAMER Corylus americana C 5 4 American Hazel N Shrub CORCANA Cornus canadensis X 7 0 Bunchberry N Shrub CORCANA Cornus canadensis X 7 0 Bunchberry N Shrub CORCORN Corylus cornuta X 5 5 Beaked Hazel N Shrub CORFLOR Cornus florida X 7 4 S4S3 Flowering Dogwood N Tree CORGRAN Cornus foemina X 2 -2 Grey Dogwood N Shrub CORGRAN Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis A Forb CORLANC Coreopsis lanceolata ? 5 3 S2 Lance-leaved Coreopsis N Forb CORRUGO Cornus rugosa X 6 5 Round-leaved Dogwood N Shrub	COLCANA	Collinsonia canadensis	Х	8	0			Horsebalm	N Forb
COMPERE Comptonia peregrina R1 7 5 Sweet-fern N Shrub COMUMBE Comandra umbellata U 6 3 Bastard-toadflax N Forb CONAMER Conopholis americana R4 9 5 Squawroot N Forb CONARVE Convolvulus arvensis I 5 -1 Field Bindweed A Forb CONCANA Conyza canadensis C 0 1 Horseweed N Forb CONCHIN Conioselinum chinense R1 10 -5 S3 Hem lock Parsley N Forb CONORIE Conringia orientalis Ir 5 -1 Hare's-ear Mustard A Forb COPTRIF Coptis trifolia X 7 -3 Goldthread N Forb CORALTE Cornus alternifolia X 6 5 Alternate-leaved Dogwood N Tree CORAMER Corylus americana C 5 4 American Hazel N Shrub CORCANA Cornus canadensis X 7 0 Bunchberry N Shrub CORCANA Cornus canadensis X 7 0 Bunchberry N Shrub CORCANA Cornus florida X 7 4 S483 Flowering Dogwood N Tree CORFOEM Cornus florida X 7 4 SAS3 Flowering Dogwood N Tree CORGANA Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis N Forb CORCANA Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis N Forb CORCANAC Coreopsis lanceolata R4 9 5 Squawroot N Forb N Shrub CORCANAC Coreopsis lanceolata R4 9 5 Squawroot N Shrub N Forb N Shrub CORCANAC Coreopsis lanceolata R4 9 5 Squawroot N Shrub N Shrub CORCANAC Coreopsis lanceolata R4 9 5 Squawroot N Shrub N Shrub CORCANAC Coreopsis lanceolata R4 9 5 Squawroot N Shrub N Shrub CORCANAC Coreopsis lanceolata R4 9 5 Squawroot N Shrub CORCANAC Coreopsis lanceolata R4 9 5 Squawroot N Shrub CORCANAC Coreopsis lanceolata R4 9 5 Squawroot N Shrub CORCANAC Coreopsis lanceolata R4 9 5 Squawroot N Shrub CORCANAC Coreopsis lanceolata R4 9 5 Squawroot N Shrub CORCANACU Corallorhiza maculata R4 9 5 Squawroot N Shrub CORCANACU Corallorhiza maculata R4 9 5 Squawroot N Shrub CORCANACO Coreopsis and Dogwood N Shrub	COLVERN	Collinsia verna	Rh	10	3	SX		Blue-eyed Mary	N Forb
COMUMBE Comandra umbellata U 6 3 Bastard-toadflax N Forb CONAMER Conopholis americana R4 9 5 Squawroot N Forb CONARVE Convolvulus arvensis I 5 -1 Field Bindweed A Forb CONCANA Conyza canadensis C 0 1 Horseweed N Forb CONCHIN Conioselinum chinense R1 10 -5 S3 Hem lock Parsley N Forb CONORIE Conringia orientalis Ir 5 -1 Hare's-ear Mustard A Forb COPTRIF Coptis trifolia X 7 -3 Goldthread N Forb CORALTE Cornus alternifolia X 6 5 Alternate-leaved Dogwood N Tree CORAMER Corylus americana C 5 4 American Hazel N Shrub CORAMOM Cornus amomum X 5 -4 Silky Dogwood N Shrub CORCANA Cornus canadensis X 7 0 Bunchberry N Shrub CORCANA Cornus florida X 7 4 S4S3 Flowering Dogwood N Tree CORFOEM Cornus foemina X 2 -2 Grey Dogwood N Shrub CORGRAN Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis N Forb CORLANC Coreopsis lanceolata R 5 OS Potted Coral-root N Forb CORMACU Corallorhiza maculata X 7 4 Spotted Coral-root N Forb	СОМСОММ	Commelina communis	Ir		0		-1	Day-flower	A Forb
CONAMER Conopholis americana R4 9 5 Squawroot CONARVE Convolvulus arvensis I 5 -1 Field Bindweed A Forb CONCANA Conyza canadensis C 0 1 Horseweed N Forb CONCHIN Conioselinum chinense R1 10 -5 S3 Hemlock Parsley N Forb CONCRIE Conringia orientalis Ir 5 -1 Hare's-ear Mustard A Forb COPTRIF Coptis trifolia X 7 -3 Goldthread N Forb CORALTE Cornus alternifolia X 6 5 Alternate-leaved Dogwood N Tree CORAMER Corylus americana C 5 4 American Hazel N Shrub CORAMOM Cornus amomum X 5 -4 Silky Dogwood N Shrub CORCANA Cornus canadensis X 7 0 Bunchberry N Shrub CORCORN Corylus cornuta X 5 5 Beaked Hazel N Shrub CORFLOR Cornus florida X 7 4 S4S3 Flowering Dogwood N Tree CORGRAN Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis N Forb CORLANC Coreopsis lanceolata X 7 4 Spotted Coral-root N Forb CORNACU Coral rugosa X 6 5 Round-leaved Dogwood N Shrub	COMPERE	Comptonia peregrina	R1	7	5			Sweet-fern	N Shrub
CONARVE Convolvulus arvensis I 5 -1 Field Bindweed A Forb CONCANA Conyza canadensis C 0 1 Horseweed N Forb CONCHIN Conioselinum chinense R1 10 -5 S3 Hemlock Parsley N Forb CONCRIE Conringia orientalis Ir 5 -1 Hare's-ear Mustard A Forb COPTRIF Coptis trifolia X 7 -3 Goldthread N Forb CORALTE Cornus alternifolia X 6 5 Alternate-leaved Dogwood N Tree CORAMER Corylus americana C 5 4 American Hazel N Shrub CORCANA Cornus amomum X 5 -4 Silky Dogwood N Shrub CORCANA Cornus canadensis X 7 0 Bunchberry N Shrub CORCORN Corylus cornuta X 5 5 Beaked Hazel N Shrub CORFLOR Cornus florida X 7 4 S483 Flowering Dogwood N Tree CORGRAN Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis A Forb CORLANC Coreopsis lanceolata R 5 7 4 Spotted Coral-root N Forb CORRUGO Cornus rugosa X 6 5 Round-leaved Dogwood N Shrub	СОМИМВЕ	Comandra umbellata	U	6	3			Bastard-toadflax	N Forb
CONCANA Conyza canadensis C 0 1 Horseweed N Forb CONCHIN Conioselinum chinense R1 10 5 -1 Hare's-ear Mustard A Forb COPTRIF Coptis trifolia X 7 -3 Goldthread N Forb CORALTE Cornus alternifolia X 6 5 Alternate-leaved Dogwood N Tree CORAMER Corylus americana C 5 4 American Hazel N Shrub CORCANA Cornus canadensis X 7 0 Bunchberry N Shrub CORCORN Corylus cornuta X 5 Beaked Hazel N Shrub CORFLOR Cornus florida X 7 4 S483 Flowering Dogwood N Tree CORGRAN Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis N Forb CORLANC Coreopsis lanceolata ? 5 3 S2 Lance-leaved Dogwood N Shrub CORRUGO Cornus rugosa X 6 5 Round-leaved Dogwood N Shrub	CONAMER	Conopholis americana	R4	9	5			Squawroot	N Forb
CONCHIN Conioselinum chinense R1 10 -5 S3 Hemlock Parsley N Forb CONORIE Conringia orientalis Ir 5 -1 Hare's-ear Mustard A Forb COPTRIF Coptis trifolia X 7 -3 Goldthread N Forb CORALTE Cornus alternifolia X 6 5 Alternate-leaved Dogwood N T ree CORAMER Corylus americana C 5 4 American Hazel N Shrub CORAMOM Cornus amomum X 5 -4 Silky Dogwood N Shrub CORCANA Cornus canadensis X 7 0 Bunchberry N Shrub CORCORN Corylus cornuta X 5 5 Beaked Hazel N Shrub CORFLOR Cornus florida X 7 4 S4S3 Flowering Dogwood N T ree CORFOEM Cornus foemina X 2 -2 Grey Dogwood N Shrub CORGRAN Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis A Forb CORLANC Coreopsis lanceolata ? 5 3 S2 Lance-leaved Coreopsis N Forb CORMACU Corallorhiza maculata X 7 4 Spotted Coral-root N Forb CORRUGO Cornus rugosa X 6 5 Round-leaved Dogwood N Shrub	CONARVE	Convolvulus arvensis	ı		5		-1	Field Bindweed	A Forb
CONORIE Conringia orientalis Ir 5 -1 Hare's-ear Mustard A Forb COPTRIF Coptis trifolia X 7 -3 Goldthread N Forb CORALTE Cornus alternifolia X 6 5 Alternate-leaved Dogwood N Tree CORAMER Corylus americana C 5 4 American Hazel N Shrub CORAMOM Cornus amomum X 5 -4 Silky Dogwood N Shrub CORCANA Cornus canadensis X 7 0 Bunchberry N Shrub CORCORN Corylus cornuta X 5 5 Beaked Hazel N Shrub CORFLOR Cornus florida X 7 4 S4S3 Flowering Dogwood N Tree CORFOEM Cornus foemina X 2 -2 Grey Dogwood N Shrub CORGRAN Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis A Forb CORLANC Coreopsis lanceolata ? 5 3 S2 Lance-leaved Coreopsis N Forb CORRUGO Cornus rugosa X 6 5 Round-leaved Dogwood N Shrub	CONCANA	Conyza canadensis	С	0	1			Horseweed	N Forb
COPTRIF Coptis trifolia X 7 -3 Goldthread N Forb CORALTE Cornus alternifolia X 6 5 Alternate-leaved Dogwood N T ree CORAMER Corylus americana C 5 4 American Hazel N Shrub CORAMOM Cornus amomum X 5 -4 Silky Dogwood N Shrub CORCANA Cornus canadensis X 7 0 Bunchberry N Shrub CORCORN Corylus cornuta X 5 5 5 Beaked Hazel N Shrub CORFLOR Cornus florida X 7 4 S483 Flowering Dogwood N T ree CORFOEM Cornus foemina X 2 -2 Grey Dogwood N Shrub CORGRAN Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis A Forb CORLANC Coreopsis lanceolata ? 5 3 S2 Lance-leaved Coreopsis N Forb CORMACU Corallorhiza maculata X 7 4 Spotted Coral-root N Forb CORRUGO Cornus rugosa X 6 5 Round-leaved Dogwood N Shrub	CONCHIN	Conioselinum chinense	R1	10	-5	S3		Hem lock Parsley	N Forb
CORALTE Cornus alternifolia X 6 5 Alternate-leaved Dogwood N T ree CORAMER Corylus americana C 5 4 American Hazel N Shrub CORAMOM Cornus amomum X 5 -4 Silky Dogwood N Shrub CORCANA Cornus canadensis X 7 0 Bunchberry N Shrub CORCORN Corylus cornuta X 5 5 Beaked Hazel N Shrub CORFLOR Cornus florida X 7 4 S4S3 Flowering Dogwood N T ree CORFOEM Cornus foemina X 2 -2 Grey Dogwood N Shrub CORGRAN Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis A Forb CORLANC Coreopsis lanceolata ? 5 3 S2 Lance-leaved Coreopsis N Forb CORMACU Corallorhiza maculata X 7 4 Spotted Coral-root N Forb CORRUGO Cornus rugosa X 6 5 Round-leaved Dogwood N Shrub	CONORIE	Conringia orientalis	Ir		5		-1	Hare's-ear Mustard	A Forb
CORAMER Corylus americana C 5 4 American Hazel N Shrub CORAMOM Cornus amomum X 5 -4 Silky Dogwood N Shrub CORCANA Cornus canadensis X 7 0 Bunchberry N Shrub CORCORN Corylus cornuta X 5 5 Beaked Hazel N Shrub CORFLOR Cornus florida X 7 4 S4S3 Flowering Dogwood N Tree CORFOEM Cornus foemina X 2 -2 Grey Dogwood N Shrub CORGRAN Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis A Forb CORLANC Coreopsis lanceolata ? 5 3 S2 Lance-leaved Coreopsis N Forb CORMACU Corallorhiza maculata X 7 4 Spotted Coral-root N Forb CORRUGO Cornus rugosa X 6 5 Round-leaved Dogwood N Shrub	COPTRIF	Coptis trifolia	Х	7	-3			Goldthread	N Forb
CORAMOM Cornus amomum X 5 -4 Silky Dogwood N Shrub CORCANA Cornus canadensis X 7 0 Bunchberry N Shrub CORCORN Corylus cornuta X 5 5 Beaked Hazel N Shrub CORFLOR Cornus florida X 7 4 S4S3 Flowering Dogwood N T ree CORFOEM Cornus foemina X 2 -2 Grey Dogwood N Shrub CORGRAN Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis A Forb CORLANC Coreopsis lanceolata ? 5 3 S2 Lance-leaved Coreopsis N Forb CORMACU Corallorhiza maculata X 7 4 Spotted Coral-root N Forb CORRUGO Cornus rugosa X 6 5 Round-leaved Dogwood N Shrub	CORALTE	Cornus alternifolia	Χ	6	5			Alternate-leaved Dogwood	N Tree
CORCANA Cornus canadensis X 7 0 Bunchberry N Shrub CORCORN Corylus cornuta X 5 5 Beaked Hazel N Shrub CORFLOR Cornus florida X 7 4 S4S3 Flowering Dogwood N Tree CORFOEM Cornus foemina X 2 -2 Grey Dogwood N Shrub CORGRAN Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis A Forb CORLANC Coreopsis lanceolata ? 5 3 S2 Lance-leaved Coreopsis N Forb CORMACU Corallorhiza maculata X 7 4 Spotted Coral-root N Forb CORRUGO Cornus rugosa X 6 5 Round-leaved Dogwood N Shrub	CORAMER	Corylus americana	С	5	4			American Hazel	N Shrub
CORCORN Corylus cornuta X 5 5 Beaked Hazel N Shrub CORFLOR Cornus florida X 7 4 S4S3 Flowering Dogwood N T ree CORFOEM Cornus foemina X 2 -2 Grey Dogwood N Shrub CORGRAN Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis A Forb CORLANC Coreopsis lanceolata ? 5 3 S2 Lance-leaved Coreopsis N Forb CORMACU Corallorhiza maculata X 7 4 Spotted Coral-root N Forb CORRUGO Cornus rugosa X 6 5 Round-leaved Dogwood N Shrub	CORAMOM	Cornus amomum	X	5	-4			Silky Dogwood	N Shrub
CORFLOR Cornus florida X 7 4 S4S3 Flowering Dogwood N Tree CORFOEM Cornus foemina X 2 -2 Grey Dogwood N Shrub CORGRAN Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis A Forb CORLANC Coreopsis lanceolata ? 5 3 S2 Lance-leaved Coreopsis N Forb CORMACU Corallorhiza maculata X 7 4 Spotted Coral-root N Forb CORRUGO Cornus rugosa X 6 5 Round-leaved Dogwood N Shrub	CORCANA	Cornus canadensis	Х	7	0			Bunchberry	N Shrub
CORFOEM Cornus foemina X 2 -2 Grey Dogwood N Shrub CORGRAN Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis A Forb CORLANC Coreopsis lanceolata ? 5 3 S2 Lance-leaved Coreopsis N Forb CORMACU Corallorhiza maculata X 7 4 Spotted Coral-root N Forb CORRUGO Cornus rugosa X 6 5 Round-leaved Dogwood N Shrub	CORCORN	Corylus cornuta	X	5	5			Beaked Hazel	N Shrub
CORGRAN Coreopsis grandiflora Ir 5 -1 Large-flowered Coreopsis A Forb CORLANC Coreopsis lanceolata ? 5 3 S2 Lance-leaved Coreopsis N Forb CORMACU Corallorhiza maculata X 7 4 Spotted Coral-root N Forb CORRUGO Cornus rugosa X 6 5 Round-leaved Dogwood N Shrub	CORFLOR	Cornus florida	Х	7	4	S4S3		Flowering Dogwood	N T ree
CORLANC Coreopsis lanceolata ? 5 3 S2 Lance-leaved Coreopsis N Forb CORMACU Corallorhiza maculata X 7 4 Spotted Coral-root N Forb CORRUGO Cornus rugosa X 6 5 Round-leaved Dogwood N Shrub	CORFOEM	Cornus foemina	Χ	2	-2			Grey Dogwood	N Shrub
CORMACU Corallorhiza maculata X 7 4 Spotted Coral-root N Forb CORRUGO Cornus rugosa X 6 5 Round-leaved Dogwood N Shrub	CORGRAN	Coreopsis grandiflora	lr		5		-1	Large-flowered Coreopsis	A Forb
CORRUGO Cornus rugosa X 6 5 Round-leaved Dogwood N Shrub	CORLANC	Coreopsis lanceolata	?	5	3	S2		Lance-leaved Coreopsis	N Forb
	CORMACU	Corallorhiza maculata	Χ	7	4			Spotted Coral-root	N Forb
CORSTOL Cornus stolonifera C 2 -3 Red-osier Dogwood N Shrub	CORRUGO	Cornus rugosa	Χ	6	5			Round-leaved Dogwood	N Shrub
	CORSTOL	Cornus stolonifera	С	2	-3			Red-osier Dogwood	N Shrub

SP CODE	SCI_NAME	MIDD	CC	CW	SDANK	WEED	COM_NAME	PHYSIOG
CORSTRI	Corallorhiza striata	?	7	4	SKANK	WLLD	Striped Coral-root	N Forb
CORTRIF	Corallorhiza trifida	R1	7	-2			Early Coral-root	N Forb
CORTRIP	Coreopsis tripteris	R2	9	0	S2		Tall Coreopsis	N Forb
CORVARI	Coronilla varia	1	<u> </u>	5	U2	-2	Crown-vetch	A Forb
CRAAPIO	Crataegus apiomorpha	R2	4	5		-	Hawthorn	N Tree
	Crataegus ater	R1	4	5			Hawthorn	N Tree
CRABRAI	Crataegus brainerdii	R3	4	5	S2		Brainerd's Hawthorn	N Tree
	Crataegus calpodendron	X	4	5	32		Hawthorn	N Tree
	Crataegus chrysocarpa	X	4	5			Hawthorn	N Tree
	Crataegus compacta	X	4	5			Compact Hawthorn	N Tree
	Crataegus compacta	R1	4	5	S3		Hawthorn	N Tree
	Crataegus crus-galli	VU	4	0	00		Cockspur Hawthorn	N Tree
	Crataegus dissona	R3	4	5	S2		Hawthorn	N Tree
	Crataegus dodgei	U	4	5	S2		Hawthorn	N Tree
	Crataegus flabellata	R1	4	5	32		Fan-shaped Hawthorn	N Tree
	Crataegus holmesiana	X	4	5			Holmes' Hawthorn	N Tree
	<u> </u>	^ R3	4	5	S2		Hawthorn	N Tree
	Crataegus lumaria Crataegus macracantha	Х	4	5	32		Hawthorn	N Tree
	<u> </u>			5				
	Crataegus macrosperma	X R1	4	5	S1		Variable Hawthorn Hawthorn	N Tree
	Crataegus margaretta Crataegus mollis	X	4	-2	31			N Tree
			4	5		1	Downy Hawthorn	
	Crataegus monogyna	I Do	4	_		-1	English Hawthorn	A Tree
CRAPEDI	• •	R3	4	5	S2		Pedicelled Hawthorn	N Tree
	Crataegus perjucunda			5	52		Hawthorn Hawthorn	
CRAPRIN	Crataegus pringlei	X	4	5				N Tree
	Crataegus pruinosa		4				Waxy-fruited Hawthorn	N Tree
	Crataegus punctata	C	4	5			Dotted Hawthorn	N Tree
CRASCAB	ů .	R1	4	_			Hawthorn	N Tree
	Crataegus schuettei	X	4	5	S2		Hawthorn	N Tree
	Crataegus suborbiculata	VU	4	5	52		Roundish-leaved Hawthorn	N Tree
	Crataegus succulenta	X	4	5			Hawthorn	N Tree
	Crataegus sylvestris	R2	4	5			Hawthorn	N Tree
CRATAE.	Crataegus sp.	X	4	5			Hawthorn species	N Tree
	Crataegus tenax	X	4	5	0.4		Hawthorn	N Tree
	Cardamine bulbosa	X	8	-5	S4		Spring Cress	N Forb
	Cardamine douglassii	X	7	-3	S4		Purple Spring Cress	N Forb
	Cardamine pensylvanica	X	6	-4			Pennsylvania Bitter-cress	N Forb
	Crepis capillaris			5		-1	Hawk's-beard	A Forb
	Crepis tectorum	I	-	5	0.5	-1	Narrow-leaved Hawk's-beard	A Forb
	Cryptotaenia canadensis	X	5	0	S5	4	Honewort	N Forb
	Crypsis schoenoides	lr 	•	3	0.0	-1	Crypsis	A Grass
	Cuscuta campestris	lh 	2	5	S2	4	Dodder sp.	N Forb
CUSEPIT	Cuscuta epithymum	Ih	4	5		-1	Clover Dodder	A Forb
	Cuscuta gronovii	C	4	-3			Common Dodder	N Forb
CYCATRI	Cycloloma atriplicifolium	R3	1	3		1	Winged Pigweed	N Forb
CYNCRIS	Cynosurus cristatus	lr .		0		-1	Crested Dogtail	A Grass
CYNOFFI	Cynoglossum officinale	I	7	5		-1	Hound's-tongue	A Forb
CYPACAU	Cypripedium acaule	R3	7	-3	00		Pink Moccasin Flower	N Forb
CYPARIE	Cypripedium arietinum	Rh	10	-4	S3		Ram's-head Lady's-slipper	N Forb
CYPBIPA	Cyperus bipartitus	U	4	-4			Shining Cyperus	N Sedge
CYPCALP	Cypripedium calceolus	X	5	-1			Large Yellow Lady's-slipper	N Forb

CYPCALR Cypripadium calceclus X 7 -1 Small Yallow Lady's-slipper N Forb CYPERAT Cyperus diundrus Rh 6 -4 Low Cyperus N Sedge CYPEROT Cyperus seystroritizos R2 6 -5 33 Red-rooted Cyperus N Sedge CYPLUPU Cyperus Inquintus VU 7 4 Slender-stemmed Cyperus N Sedge CYPLUPU Cyperus Inquintus VU 5 -3 S4 Coarse-Cyperus N Sedge CYPDODO Cyperus strigosus VU 5 -3 S4 Coarse-Cyperus N Sedge CYSBOTO Cypindedium regime VU 7 -4 Showy Lady's -slipper N Forb CYPSETRI Cyperus strigosus VU 5 -3 Straw-colored Cyperus N Sedge CYSBOTO Supplier is printrus X 5 -2 Bubble Ferm N Ferm CYSENTA Cypineris bubble Ferm N Ferm N Ferm M Sedge CYSBOTO <th>SP CODE</th> <th>SCI NAME</th> <th>MIDD</th> <th>CC</th> <th>CW</th> <th>SDANK</th> <th>WEED</th> <th>COM NAME</th> <th>PHYSIOG</th>	SP CODE	SCI NAME	MIDD	CC	CW	SDANK	WEED	COM NAME	PHYSIOG
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DRYINTE Dryopteris intermedia VU 5 0 Glandular Wood Fern N Fern DRYMARG Dryopteris marginalis X 5 3 Marginal Wood Fern N Fern	DRYCRIS	Dryopteris cristata	X	7	-5			Crested W ood Fern	N Fern
DRYMARG Dryopteris marginalis X 5 3 Marginal Wood Fern N Fern	DRYGOLD	Dryopteris goldiana	R2	10	0			Goldie's Wood Fern	N Fern
	DRYINTE	Dryopteris intermedia	VU	5	0			Glandular Wood Fern	N Fern
DULARUN Dulichium arundinaceum VU 7 -5 Three-way Sedge N Sedge	DRYMARG	Dryopteris marginalis	X	5	3			Marginal Wood Fern	N Fern
	DULARUN	Dulichium arundinaceum	VU	7	-5			Three-way Sedge	N Sedge

SP CODE	SCI_NAME	MIDD	CC	CW	SRANK	WFFD	COM_NAME	PHYSIOG
	Echinochloa crusgalli	lc	00	-3	OKAN	-1	Barnyard Grass	A Grass
	Echinocystis lobata	X	3	-2		•	Wild Cucumber	N Vine
ECHMICR	Echinochloa microstachya	X	6	-2			Barnyard Grass	N Grass
	Echinochloa muricata	R2	4	-5			Barnyard Grass	N Grass
	Echium vulgare	Ic		5		-2	Viper's-bugloss	A Forb
	Elaeagnus umbellata	Ir		3		-3	Autumn-olive	A Shrub
ELEACIC	Eleocharis acicularis	VU	5	-5			Needle Spike-rush	N Sedge
ELECOMP	Eleocharis compressa	R2	8	-3			Flat-stemmed Spike-rush	N Sedge
ELEELLI	Eleocharis elliptica	R4	7	-3			Elliptic Spike-rush	N Sedge
ELEERYT	Eleocharis erythropoda	С	4	-5			Red-based Spike-rush	N Sedge
ELEINDI	Eleusine indica	Ir		3		-1	Goose Grass	A Grass
ELEINTE	Eleocharis intermedia	VU	7	-3	S4		Intermediate Spike-rush	N Sedge
ELEOBTU	Eleocharis obtusa	С	5	-5			Blunt Spike-rush	N Sedge
ELEOLIV	Eleocharis olivacea	R2	8	-5	S4		Olive-fruited Spike-rush	N Sedge
ELEOVAT	Eleocharis ovata	R1	8	-5			Spike-rush	N Sedge
ELESMAL	Eleocharis smallii	R2	6	-5			Small's Spike-rush	N Sedge
ELOCANA	Elodea canadensis	X	4	-5			Can ada W ater-weed	N Forb
ELYCANA	Elymus canadensis	Χ	8	1			Canada W ild-rye	N Grass
ELYREPE	Elymus repens	Ic		3		-3	Quack Grass	A Grass
ELYRIPA	Elymus riparius	R4	7	-3			River Bank Wild-rye	N Grass
ELYTRAC	Elymus trachycaulus	R3	7	0			Slender Wheat Grass	N Grass
ELYVILL	Elymus villosus	X	7	3	S4		Hairy Wild-rye	N Grass
ELYVIRG	Elymus virginicus	X	5	-2			Virginia W ild-rye	N Grass
ELYWIEG	Elymus wiegandii	R1	10	0			W ild-rye	N Grass
EPIANGU	Epilobium angustifolium	X	3	0			Fireweed	N Forb
EPICILI	Epilobium ciliatum	X	3	3	S4		Willow-herb	N Forb
EPICOLO	Epilobium coloratum	Х	3	-5			Purple-leaved Willow-herb	N Forb
EPIHELL	Epipactis helleborine	1		5		-2	Helleborine	A Forb
EPIHIRS	Epilobium hirsutum	1		-4		-2	Great Hairy Willow-herb	A Forb
EPILEPT	Epilobium leptophyllum	X	7	-5			Narrow-leaved Willow-herb	N Forb
EPIPARV	Epilobium parviflorum	1		3		-1	Small-flowered Willow-herb	A Forb
EPIREPE	Epigaea repens	R1	9	5			Trailing Arbutus	N Shrub
EPISTRI	Epilobium strictum	R2	9	-5			Downy Willow-herb	N Forb
EPIVIRG	Epifagus virginiana	С	6	5			Beech-drops	N Forb
EQUARVE	Equisetum arvense	С	0	0			Field Horsetail	N Fern
EQUFLUV	Equisetum fluviatile	U	7	-5			W ater Horsetail	N Fern
EQUHYEM	Equisetum hyemale ssp. affine	С	2	-2			Common Scouring-rush	N Fern
EQULAEV	Equisetum laevigatum	VU	7	-3			Smooth Scouring-rush	N Fern
EQUPALU	Equisetum palustre	R1	10	-3			Marsh Horsetail	N Fern
EQUPRAT	Equisetum pratense	VU	8	-3			Meadow Horsetail	N Fern
EQUSCIR	Equisetum scirpoides	VU	7	-1			Dwarf Scouring-rush	N Fern
EQUSYLV	Equisetum sylvaticum	R3	7	-3			W oodland Horsetail	N Fern
EQUVARI	Equisetum variegatum	U	5	-3			Variegated Scouring-rush	N Fern
ERACILI	Eragrostis cilianensis	1		3		-1	Stink Grass	A Grass
ERAFRAN	Eragrostis frankii	Χ	3	-3	SE		Frank's Love Grass	N Grass
ERAHYPN	Eragrostis hypnoides	R2	7	-5	S4		Moss-like Love Grass	N Grass
ERAMINO	Eragrostis minor	I		5		-1	Little Love Grass	A Grass
ERAPECT	Eragrostis pectinacea	Χ	0	0			Tufted Love Grass	N Grass
ERASPEC	Eragrostis spectabilis	R4	6	5	S2		Purple Love Grass	N Grass
EREHIER	Erechtites hieracifolia	Χ	2	3			Pilewort	N Forb
ERIANNU	Erigeron annuus	С	0	1			Daisy Fleabane	N Forb

SP CODE	SCI_NAME	MIDD	СС	CW	SRANK	WEED	COM_NAME	PHYSIOG
ERIBULB	Erigenia bulbosa	U	9	5	S3		Harbinger-of-spring	N Forb
ERIGRAC	Eriophorum gracile	R1	10	-5			Slender Cotton-grass	N Sedge
ERIPHIL	Erigeron philadelphicus	С	1	-3			Philadelphia Fleabane	N Forb
ERIPULC	Erigeron pulchellus	Χ	7	3			Robin's-plantain	N Forb
ERISTRI	Erigeron strigosus	С	0	1			Narrow-leaved Fleabane	N Forb
ERIVIRG	Eriophorum virginicum	R1	10	-5			Tawny Cotton-grass	N Sedge
ERIVIRI	Eriophorum viridi-carinatum	Rh	9	-5			Cotton-grass	N Sedge
EROVERN	Erophila verna	1		5		-2	W hitlow-grass	A Forb
ERUGALL	Erucastrum gallicum	ı		5		-1	Dog Mustard	A Forb
ERYALBI	Erythronium albidum	X	8	5			W hite Trout Lily	N Forb
ERYAMER	Erythronium americanum	X	5	5			Yellow Trout Lily	N Forb
ERYCHEI	Erysimum cheiranthoides	1		3		-1	W ormseed Mustard	A Forb
ERYREPA	Erysimum repandum	Ir		5		-1	Spreading Wallflower	A Forb
EUOATRO	Euonymus atropurpurea	R2	8	1	S3		Burning Bush	N Shrub
EUOEURO	Euonymus europaea	Ir		5		-1	Spindle-tree	A Shrub
EUOFORT	Euonymus fortunei	Ir		5		-1	Wintercreeper	A Vine
EUOOBOV	Euonymus obovata	С	6	5			Running Strawberry-bush	N Shrub
EUPALTI	Eupatorium altissimum	Ir	3	3			Tall Thoroughwort	N Forb
EUPCOMM	Euphorbia commutata	Rh	10	5	S1		Wood Spurge	N Forb
EUPCORO	Euphorbia corollata	U	7	5	S4		Flowering Spurge	N Forb
EUPCYPA	Euphorbia cyparissias	ı		5		-2	Cypress Spurge	A Forb
EUPDENT	Euphorbia dentata	1		5		-1	Toothed Spurge	A Forb
EUPESUL	Euphorbia es ula	ı		5		-2	Leafy Spurge	A Forb
EUPHELI	Euphorbia helioscopia	Ir		5		-1	Sun Spurge	A Forb
EUPMACU	Eupatorium maculatum	С	3	-5			Spotted Joe-Pye-weed	N Forb
EUPMARG	Euphorbia marginata	Ir		4		-1	Snow-on-the-mountain	A Forb
EUPPEPL	Euphorbia peplus	Ir		5		-1	Petty Spurge	A Forb
EUPPURP	Eupatorium purpureum	VU	8	0	S2		Sweet Joe-Pye-weed	N Forb
EUPRUGO	Eupatorium rugosum	С	5	3			W hite Snakeroot	N Forb
EUPSERO	Eupatorium serotinum	Ir		-1		-1	Late-flowering Thoroughwort	A Forb
EUTGRAM	Euthamia graminifolia	С	2	-2			Grass-leaved Goldenrod	N Forb
FAGESCU	Fagopyrum esculentum	Ir		5		-1	Buckwheat	A Forb
FAGGRAN	Fagus grandifolia	С	6	3			American Beech	N Tree
FESARUN	Festuca arundinacea	Ic		2		-1	Tall Fescue	A Grass
FESBREV	Festuca brevipila	I		5		-2	Hard Fescue	A Grass
FESFILI	Festuca filiformis	Ir		5		-1	Hair Fescue	A Grass
FESPRAT	Festuca pratensis	1		4		-1	Meadow Fescue	A Grass
FESRUBR	Festuca rubra	1		1		-1	Red Fescue	A Grass
FESSUBV	Festuca subverticillata	Χ	6	2			Nodding Fescue	N Grass
FLOPROS	Floerkea proserpinacoides	X	9	-1	S4S3		False Mermaid	N Forb
FRAAMER	Fraxinus americana	С	4	3			W hite Ash	N Tree
FRANIGR	Fraxinus nigra	X	7	-4			Black Ash	N Tree
FRAQUAD	Fraxinus quadrangulata	VU	9	5	S2		Blue Ash	N Tree
FRAVESC	Fragaria vesca	Χ	4	4			W oodland Strawberry	N Forb
FRAVIRG	Fragaria virginiana	С	2	1			Wild Strawberry	N Forb
GALAPAR	Galium aparine	Χ	4	3			Cleavers	N Forb
GALASPR	Galium asprellum	Χ	6	-5			Rough Bedstraw	N Forb
GALBREV	Galium brevipes	R1	8	-5			Bedstraw	N Forb
GALCIRC	Galium circaezans	Χ	7	4			Wild Licorice	N Forb
GALCONC	Galium concinnum	R1	9	3			Bedstraw	N Forb
GALLABR	Galium labradoricum	R1	9	-5			Bog Bedstraw	N Forb

SP CODE	SCI_NAME	MIDD	CC	CW	SRANK	WEED	COM_NAME	PHYSIOG
GALLANC	Galium lanceolatum	X	8	5	O.C.	***	Lance-leaved Wild Licorice	N Forb
GALMOLL		1		5		-2	Wild Madder	A Forb
GALOBTU	Galium obtusum	R1	6	-5			Obtuse Bedstraw	N Forb
GALPALU	Galium palustre	X	5	-5			Marsh Bedstraw	N Forb
GALPILO	Galium pilosum	R3	9	5	S3		Hairy Bedstraw	N Forb
GALQUAD	Galinsoga quadriradiata	Ir		5		-1	Hairy Galinsoga	A Forb
GALSPEC	Galearis spectabilis	R4	9	5			Showy Orchis	N Forb
GALTETR	Galeopsis tetrahit	1		5		-1	Hemp-nettle	A Forb
GALTINC	Galium tinctorium	R1	5	-5			Dyer's Bedstraw	N Forb
GALTRID	Galium trifidum	R4	5	-4			Three-cleft Bedstraw	N Forb
GALTRIF	Galium triflorum	Х	4	2			Sweet-scented Bedstraw	N Forb
GALVERU	Galium verum	1		5		-1	Yellow Bedstraw	A Forb
GAUHISP	Gaultheria hispidula	R1	8	-3			Snowberry	N Shrub
GAUPROC	Gaultheria procumbens	X	6	3			Wintergreen	N Shrub
GAYBACC	Gaylussacia baccata	VU	8	3			Black Huckleberry	N Shrub
GENANDR	Gentiana andrews ii	X	6	-3			Closed Gentian	N Forb
GENCRIN	Gentianopsis crinita	VU	8	-4			Fringed Gentian	N Forb
GENQUIN	Gentian ella quin quefolia	R2	9	0	S2		Stiff Gentian	N Forb
GENVIRG	Gentianopsis virgata	R1	8	-5			Narrow-leaved Fringed Gentian	N Forb
GERMACU	Geranium maculatum	Χ	6	3			Wild Geranium	N Forb
GERPUSI	Geranium pusillum	Ir		5		-1	Small-flowered Crane's-bill	A Forb
GERROBE	Geranium robertianum	Ic		5		-2	Herb Robert	A Forb
GEUALEP	Geum aleppicum	Х	2	-1			Yellow Avens	N Forb
GEUCANA	Geum canadense	Χ	3	0			White Avens	N Forb
GEULACI	Geum laciniatum	X	4	-3	S4		Cut-leaved Avens	N Forb
GEURIVA	Geum rivale	R2	7	-5			Water Avens	N Forb
GEUTRIF	Geum triflorum	R3	9	4	S4		Prairie Smoke	N Forb
GEUURBA	Geum urbanum	Ir		5		-1	Urban Avens	A Forb
GEUVERN	Geum vernum	R2	7	1	S3		Spring Avens	N Forb
GLEHEDE	Glechoma hederacea	1		3		-2	Gill-over-the-ground	A Forb
GLETRIA	Gleditsia triacanthos	ı	3	0	S2		Honey Locust	N Tree
GLYBORE	Glyceria borealis	R3	8	-5			Northern Manna Grass	N Grass
GLYCANA	Glyceria canadensis	R1	7	-5			Rattlesnake Manna Grass	N Grass
GLYGRAN	Glyceria grandis	Х	5	-5			Tall Manna Grass	N Grass
GLYMAX	Glycine max	Ir		5		-1	Soybean	A Forb
GLYSEPT	Glyceria septentrionalis	Χ	8	-5			Eastern Manna Grass	N Grass
GLYSTRI	Glyceria striata	X	3	-5			Fowl Manna Grass	N Grass
GNAOBTU	Gnaphalium obtusifolium	Χ	4	5			Fragrant Cudweed	N Forb
GNAULIG	Gnaphalium uliginosum	Ir		0		-1	Low Cudweed	A Forb
GNAVISC	Gnaphalium viscosum	R1	4	5			Clammy Cudweed	N Forb
GOOPUBE	Goodyera pubescens	R2	8	0	S4		Downy Rattlesnake-plantain	N Forb
GOOREPE	Goodyera repens	R1	8	3			Dwarf Rattlesnake-plantain	N Forb
GRANEGL	Gratiola neglecta	R1	7	-5	S4		Hedge-hyssop	N Forb
GRISQUA	Grindelia squarrosa	lh		3		-1	Gumweed	A Forb
GYMDIOI	Gymnocladus dioicus	R2	6	5	S2		Kentucky Coffee Tree	N Tree
GYMDRYO	Gymnocarpium dryopteris	VU	7	0			Oak Fern	N Fern
HACVIRG	Hackelia virginiana	VU	5	1			Stickseed	N Forb
HALDEFL	Halenia deflexa	R2	7	0			Spurred Gentian	N Forb
HAMVIRG	Hamamelis virginiana	Χ	6	3			W itch-hazel	N Shrub
HEDPULE	Hedeoma pulegioides	R3	6	5			American Pennyroyal	N Forb
HELANNU	Helianthus annuus	lr		1		-1	Common Sunflower	A Forb

SP CODE	SCI_NAME	MIDD	СС	CW	SRANK	WEED	COM_NAME	PHYSIOG
HELAUTU	Helenium autumnale	R3	7	-4			Sneezeweed	N Forb
HELBICK	Helianthemum bicknellii	R1	9	5	S4		Bicknell's Frostweed	N Forb
HELCANA	Helianthemum canadense	R2	9	5			Frostweed	N Forb
HELDECA	Helianthus decapetalus	X	7	5			Thin-leaved Sunflower	N Forb
HELDIVA	Helianthus divaricatus	X	7	5			Woodland Sunflower	N Forb
HELFLEX	Helenium flexuosum	I		-1		-1	Purple-headed Sneezeweed	A Forb
HELGIGA	Helianthus giganteus	Х	6	-3			Tall Sunflower	N Forb
HELHELI	Heliops is helianthoides	R4	3	5			Ox-eye	N Forb
HELMOLL	Helianthus mollis	Ir		5		-1	Soft Sunflower	A Forb
HELSTRU	Helianthus strumosus	Χ	7	5			Sunflower	N Forb
HELTUBE	Helianthus tuberosus	1		0		-2	Jerusalem Artichoke	A Forb
HEMFULV	Hemerocallis fulva	1		5		-3	Orange Day Lily	A Forb
HEMLILI	Hemerocallis lilioasphodelus	Ir		5		-1	Yellow Day Lily	A Forb
HEPACUT	Hepatica acutiloba	Χ	6	5			Sharp-lobed Hepatica	N Forb
HEPAMER	Hepatica americana	Х	6	5			Round-lobed Hepatica	N Forb
HERLANA	Heracleum Ianatum	X	3	-3			Cow-parsnip	N Forb
HESMATR	Hesperis matronalis	I		5		-3	Dame's Rocket	A Forb
HETDUBI	Heteranthera dubia	R2	7	-5			Water Star-grass	N Forb
HIEAURA	Hieracium aurantiacum	1		5		-2	Devil's Paintbrush	A Forb
HIECAES	Hieracium caespitosum	1		5		-2	Field Hawkweed	A Forb
HIEGRON	Hieracium gronovii	R1	9	5	S4		Hawkweed	N Forb
HIELACH	Hieracium lachenalii	Ir		5		-1	Common Hawkweed	A Forb
HIEODOR	Hierochloe odorata	VU	5	-3			Sweet Grass	N Grass
HIEPILD	Hieracium piloselloides	Ir		5		-2	King Devil Hawkweed	A Forb
HIEPILO	Hieracium pilosella	Ir		5		-1	Mouse-ear Hawkweed	A Forb
HIESCAB	Hieracium scabrum	VU	7	5			Rough Hawkweed	N Forb
HIEXFLO	Hieracium x floribundum	Ir		5		-2	(H. caespitosum X H. lactucella)	A Forb
HOLLANA	Holcus lanatus	Ir		4		-1	Velvet Grass	A Grass
HOLUMBE	Holosteum umbellatum	Ir		5		-1	Jagged Chickweed	A Forb
HORJUBA	Hordeum jubatum	1		-1		-1	Foxtail Barley	A Grass
HUMJAPO	Humulus japonicus	Ir		3		-1	Japanese Hops	A Vine
HUMLUPU	Humulus lupulus	Ir		3		-1	Common Hop	A Vine
HYBCONC	Hybanthus concolor	R2	9	2	S2		Green Violet	N Forb
HYDAMER	Hydrocotyle americana	X	7	-5			Marsh or W ater-pennywort	N Forb
HYDAPPE	Hydrophyllum appendiculatum	R2	9	5	S2		Appendaged W aterleaf	N Forb
HYDCANA	Hydrophyllum canadense	X	8	-2	S4		Canada W aterleaf	N Forb
HYDCAND	Hydrastis canadensis	R1	10	5	S2		Golden Seal	N Forb
HYDVIRG	Hydrophyllum virginianum	С	6	-2			Virginia W aterleaf	N Forb
HYPASCY	Hypericum as cyron	VU	6	-1			Great St. John's-wort	N Forb
HYPCANA	Hypericum canadense	R1	8	-3			Canada St. John's-wort	N Forb
HYPHIRS	Hypoxis hirsuta	R1	10	0	S3		Yellow Stargrass	N Forb
HYPMAJU	Hypericum majus	R2	5	-3			Large St. John's-wort	N Forb
HYPMUTI	Hypericum mutilum ssp. mutilum	R3	6	-3			WEAK ST. JOHN'S-WORT	N Forb
HYPPERF		Ic		5		-3	Common St. John's-wort	A Forb
HYPPROL	Hypericum prolificum	R3	6	3	S1		Shrubby St. John's-wort	N Shrub
HYPPUNC	Hypericum punctatum	Χ	5	-1			Spotted St. John's-wort	N Forb
HYPSPHA	Hypericum sphaerocarpon	Ir	6	3			St. John's-wort	N Forb
HYSOFFI	Hyssopus officinalis	lh		5		-1	Hyssop	A Forb
HYSPATU	Hystrix patula	X	5	5			Bottlebrush Grass	N Grass
ILEVERT	Ilex verticillata	Χ	5	-4			Winterberry	N Shrub
IMPCAPE	Impatiens capensis	С	4	-3			Spotted Touch-me-not	N Forb

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MPGLAN	Impatiens glandulifera	Ir		-3		-2	Purple Touch-me-not	A Forb
MPPALL	Impatiens pallida	Χ	7	-3			Pale Touch-me-not	N Forb
NUHELE	Inula helenium	1		5		-2	Elecampane	A Forb
POPURP	Ipomoea purpurea	Ir		4		-1	Common Morning-glory	A Forb
RIPSEU	Iris pseudacorus	Ir		-5		-2	Yellow-flag	A Forb
RIVERS	Iris versicolor	Χ	5	-5			Wild Blue-flag	N Forb
RIVIRG	Iris virginica	R2	5	-5	S4		Southern Blue-flag	N Forb
SOBITE	Isopyrum biternatum	VU	10	0	S2		False Rue-anemone	N Forb
SOECHI	Isoetes echinospora	?	7	-5			Spiny-spored Quillwort	N Forb
SOVERT	Isotria verticillata	R1	10	0	S1		Larger W horled Pogonia	N Forb
EFDIPH	Jeffers onia diphylla	Х	10	5	S2		Twinleaf	N Forb
UGCINE	Juglans cinerea	Χ	6	2			Butternut	N Tree
UGNIGR	Juglans nigra	Х	5	3	S4		Black Walnut	N Tree
UNACUM	Juncus acuminatus	R1	6	-5	S3		Tapered Rush	N Forb
UNALPI	Juncus alpinoarticulatus	VU	5	-5			Alpine Rush	N Forb
UNARTI	Juncus articulatus	VU	5	-5			Jointed Rush	N Forb
UNBALT	Juncus balticus	U	5	-5			Baltic Rush	N Forb
UNBRAC	Juncus brachycephalus	VU	7	-5			Short-headed Rush	N Forb
UNBUFO	Juncus bufonius	U	1	-4			Toad Rush	N Forb
UNCANA	Juncus canadensis	X	6	-5			Canadian Rush	N Forb
	Juniperus communis	R1	4	3			Common Juniper	N Shrub
	Juncus compressus	lr		-4		-1	Flat-stemmed Rush	A Forb
	Juncus dudleyi	С	1	0	S4		Dudley's Rush	N Forb
UNEFFU	Juncus effusus	X	4	-5			Soft Rush	N Forb
	Juncus gerardii	Ir	•	-5		-1	Black-grass	A Forb
UNHORI	Juniperus horizontalis	 R1	10	1		•	Creeping Juniper	N Shrub
	Juncus marginatus	R2	9	-3	\$2		Grass-leaved Rush	N Forb
	Juncus nodosus	X	5	-5			Knotted Rush	N Forb
UNPELO	Juncus pelocarpus	R1	8	-5			Brown-fruited Rush	N Forb
UNPYLA	Juncus pylaei	X	4	-5			Soft Rush	N Forb
UNTENU	Juncus tenuis	X	0	0			Path Rush	N Forb
	Juncus torreyi	VU	3	-3			Torrey's Rush	N Forb
UNVIRG	Juniperus virginiana	X	4	3			Red Cedar	N Tree
ALPOLI	Kalmia polifolia	R1	10	-5			Bog-laurel	N Shrub
	Kochia scoparia	I	10	4		-1		A Forb
	Koeleria macrantha	R3	10	5	S2S3	- 1	Summer-cypress Prairie June Grass	N Grass
ACBIEN	Lactuca biennis	X	6	0	3233		Tall Blue Lettuce	N Forb
	Lactuca canadensis	X	3	2			Wild Lettuce	N Forb
ACSERR	Lactuca serriola	I	3	0		-1	Prickly Lettuce	A Forb
	Lamium amplexicaule	lr		5		-1	Henbit	A Forb
	·							
APCANA	Lamium purpureum Laportea canadensis	Ir X	6	5 -3		-2	Purple Dead-nettle Wood Nettle	A Forb N Forb
	Lapsana communis	lr	U	5		-2	Nipplewort	A Forb
APSQUA	Lapsana communis Lappula squarrosa	Ir		5		-2 -1	Burseed	A Forb
ARDECI	Larix decidua	ır I		5		-1	European Larch	A Forb
	Larix decidua Larix laricina		7			-1	·	
ARLARI		X	7	-3 -		1	Tamarack Everlosing Rec	N Tree
ATLATI	Lathyrus latifolius	I D4	^	5		-1	Everlasting Pea	A Forb
ATPALU	Lathyrus palustris	R1	6	-3			Marsh Pea	N Forb
ATPRAT	Lathyrus pratensis	lr \		3	0.0	-1	Yellow Vetchling	A Forb
ECVILL	Lechea villosa	VU	9	5	S3		Hairy Pinweed	N Forb
.EEORYZ	Leersia oryzoides	X	3	-5			Rice Cut Grass	N Grass

SP_CODE	SCI_NAME	MIDD	СС	CW	SRANK	WEED	COM_NAME	PHYSIOG
LEEVIRG	Leersia virginica	Χ	6	-3			W hite Grass	N Grass
LEMMINO	Lemna minor	X	2	-5			Common Duckweed	N Forb
LEMTRIS	Lemna trisulca	Х	4	-5			Star Duckweed	N Forb
LEOAUTU	Leontodon autumnalis	Ir		5		-1	Fall Hawkbit	A Forb
LEOCARD	Leonurus cardiaca	Ic		5		-2	Motherwort	A Forb
LEPACUM	Leptochloa acuminata	Ir		-5		-1	Sprangletop	A Grass
LEPCAMP	Lepidium campestre	T		5		-1	Field Pepper-grass	A Forb
LEPDENS	Lepidium densiflorum	Χ		0		-2	Common Pepper-grass	A Forb
LEPVIRG	Lepidium virginicum	R4	0	4			Poor-man's Pepper-grass	N Forb
LESCAPI	Lespedeza capitata	VU	7	3			Round-headed Bush-clover	N Forb
LESHIRT	Lespedeza hirta	VU	9	5			Hairy Bush-clover	N Forb
ESINTE	Lespedeza intermedia	VU	8	5	S4		W andlike Bush-clover	N Forb
EUMULT	Leucospora multifida	Ir	8	0	S1		Conobea	N Forb
EUVULG	Leucanthemum vulgare	Ic		5		-1	Ox-eye Daisy	A Forb
EYAREN	Leymus arenarius	Ir		3		-1	European Dune Grass	A Grass
IAASPE	Liatris aspera	?	10	5	S2		Rough Blazing-star	N Forb
JASPIC	Liatris spicata	R1	9	0	S3		Spiked Blazing Star	N Forb
IGVULG	Ligustrum vulgare	1		1		-2	Privet	A Shrub
LILMICH	Lilium michiganense	U	7	-1		_	Michigan Lily	N Forb
ILPHIL	Lilium philadelphicum	R3	8	1			W ood Lily	N Forb
INBENZ	Lindera benzoin	X	6	-2			Spicebush	N Shrub
INBORE	Linnaea borealis	R3	7	0			Twinflower	N Forb
INDUBI	Lindernia dubia var. dubia	VU	7	-5			FALSE PIMPERNEL	N Forb
INGENI	Linaria genistifolia	Ir	•	5		-1	Dalmatian Toadflax	A Forb
INPERE	Linum perenne	lh		5		-1	Perennial Flax	A Forb
INVULG	Linaria vulgaris	Ic		5		-1	Butter-and-eggs	A Forb
.IPLILI	Liparis liliifolia	R1	8	4	S2	•	Lily-leaved Twayblade	N Forb
IPLOES	Liparis loeselii	Χ	5	-4			Loesel's Twayblade	N Forb
.IRTULI	Liriodendron tulipifera	U	8	2	S3		Tulip-tree	N Tree
ISCORD	Listera cordata	R1	8	-3			Heart-leaved Twayblade	N Forb
ITCANE	Lithospermum canescens	R1	10	5	S5		Hoary Puccoon	N Forb
LITLATI	Lithospermum latifolium	VU	9	5	S2		American Gromwell	N Forb
ITOFFI	Lithospermum officinale	ı	3	5	OZ.	-1	European Gromwell	A Forb
OBCARD	•	X	7	-5		-1	Cardinal Flower	N Forb
OBINFL	Lobelia inflata	X	3	4			Indian-tobacco	N Forb
OBKALM	Lobelia kalmii	R3	9	-5	S5		Kalm's Lobelia	N Forb
OBSIPH		X	6	-4	33		Great Lobelia	N Forb
	Lobelia siphilitica		-					
OBSPIC	Lobelia spicata	R4	8	0		4	Pale-spiked Lobelia	N Forb
OLPERE	Lolium perenne	I Y	•	3		-1	Perennial Rye Grass	A Grass
ONCANA	Lonicera canadensis	X	6	3			Fly Honeysuckle	N Shrub
ONDIOI	Lonicera dioica	X	5	3			Wild Honeysuckle	N Vine
ONHIRS	Lonicera hirsuta	R1	7	0		2	Hairy Honeysuckle	N Shrub
ONJAPO	Lonicera japonica	lr		3		-2	Japanese Honeysuckle	A Vine
	Lonicera maackii	lr -		5		-2	Amur Honeysuckle	A Shrub
	Lonicera morrowii	lr Do		5		-1	Morrow's Honeysuckle	A Shrub
ONOBLO	Lonicera oblongifolia	R2	8	-5			Swamp Fly-honeysuckle	N Shrub
ONTATA	Lonicera tatarica	<u> </u>		3		-3	Tartarian Honeysuckle	A Shrub
ONXYLO	Lonicera xylosteum	lr		5		-2	European Fly-honeysuckle	A Shrub
	Lotus corniculatus	l		1		-2	Birdfoot Trefoil	A Forb
UDPALU	Ludwigia palustris	Χ	5	-5			W ater-purslane	N Forb
UPPERE	Lupinus perennis	R3	10	5	S3		Wild Lupine	N Forb

SP CODE	SCI_NAME	MIDD	CC	CW	SRANK	WEED	COM_NAME	PHYSIOG
LUZACUM	Luzula acuminata	X	6	1			Pointed Wood-rush	N Forb
LUZMULT	Luzula multiflora	X	6	3			Common Wood-rush	N Forb
LYCAMER	Lycopus americanus	С	4	-5			American Water-horehound	N Forb
LYCANNO	Lycopodium annotinum	R1	7	0			Stiff Clubmoss	N Fern
LYCBARB	Lycium barbarum	lh		5		-1	Matrimony Vine	A Vine
LYCCLAV	Lycopodium clavatum	R2	6	0			Running Clubmoss	N Fern
LYCDIGI	Lycopodium digitatum	С	5	5			Crowfoot Clubmoss	N Fern
LYCINUN	Lycopodium inundatum	R3	9	-5			Bog Clubmoss	N Fern
LYCLUCI	Lycopodium lucidulum	Х	7	-1			Shining Clubmoss	N Fern
LYCOBSC	Lycopodium obscurum	X	6	3			Ground-pine	N Fern
LYCTRIS	Lycopodium tristachyum	R1	8	5			Ground-cedar	N Fern
LYCUNIF	Lycopus uniflorus	С	5	-5			Bugleweed	N Forb
LYCVIRG	Lycopus virginicus	R3	8	-5	S1		Virginia W ater-horehound	N Forb
LYSCILI	Lysimachia ciliata	X	4	-3			Fringed Loosestrife	N Forb
LYSNUMM	Lysimachia nummularia	1		-4		-3	Moneywort	A Forb
LYSQUAD	Lysimachia quadriflora	R2	8	5			Prairie Loosestrife	N Forb
LYSTERR	Lysimachia terrestris	R3	6	-5			Swamp Candles	N Forb
LYSTHYR	Lysimachia thyrsiflora	X	7	-5			Tufted Loosestrife	N Forb
LYSVULG	Lysimachia vulgaris	Ir		-2		-1	Garden Loosestrife	A Forb
LYTALAT	Lythrum alatum	VU	5	-5	S3		Winged Loosestrife	N Forb
LYTSALI	Lythrum salicaria	Ic		-5		-3	Purple Loosestrife	A Forb
MAICANA	Maianthemum canadense	X	5	0			Wild Lily-of-the-valley	N Forb
MAIRACE	Maianthemum racemosum	Х	4	3			False Solomon's-seal	N Forb
MAISTEL	Maianthemum stellatum	X	6	1			Starry False Solomon's-seal	N Forb
MAITRIF	Maianthemum trifolium	R4	10	-5			Three-leaved False Solomon's-seal	N Forb
MALCORO	Malus coronaria	Χ	5	5			Wild Crab	N Tree
MALMOSC	Malva moschata	T		5		-1	Musk Mallow	A Forb
MALNEGL	Malva neglecta	1		5		-1	Common Mallow	A Forb
MALPUMI	Malus pumila	ı		5		-1	Apple	A Tree
MALROTU	Malva rotundifolia	Ir		5		-1	Round-leaved Mallow	A Forb
MALUNIF	Malaxis unifolia	R2	6	0			Green Adder's-mouth	N Forb
MARVULG	Marrubium vulgare	Ir		0		-1	Common Horehound	A Forb
MATPERF	Matricaria perforata	Ir		5		-1	Scentless Chamomile	A Forb
MATSTRU	Matteuc cia s truthiopteris	X	5	-3			American Ostrich Fern	N Fern
MEDLUPU	Medicago lupulina	Ic		1		-1	Black Medick	A Forb
MEDSATI	Medicago sativa	Ic		5		-1	Alfalfa	A Forb
MEDVIRG	Medeola virginiana	Х	7	5			Indian Cucumber-root	N Forb
MELALBA	Melilotus alba	Ic		3		-3	White Sweet-clover	A Forb
MELLINE	Melampyrum lineare	R3	6	1			Cow-wheat	N Forb
MELOFFI	Melilotus officinalis	lc		3		-1	Yellow Sweet-clover	A Forb
MENARVE	Mentha arvensis	Χ	3	-3			Field Mint	N Forb
MENCANA	Menispermum canadense	X	7	0			Moonseed	N Vine
MENSPIC	Mentha spicata	ı		-4		-1	Spearmint	A Forb
MENSUAV	Mentha suaveolens	Ir		-3		-1	Round-leaved Mint	A Forb
MENTRIF	Menyanthes trifoliata	VU	9	-5			Bogbean	N Forb
MENXPIP	Mentha x piperita	1		-5		-1	(M. aquatica X M. spicata)	A Forb
MERVIRG	Mertensia virginica	R3	9	-3	S2		Virginia Bluebells	N Forb
MILEFFU	Milium effusum	Χ	8	4	S5		Wood Millet	N Grass
MIMRING	Mimulus ringens	Χ	6	-5			Square-stemmed Monkey-flower	N Forb
MIRNYCT	Mirabilis nyctaginea	1		5		-1	Wild Four-o'clock	A Forb
MISSACC	Miscanthus sacchariflorus	1		5		-1	Plume Grass	A Grass

SP_CODE	SCI_NAME	MIDD	СС	CW	SRANK	WEED	COM_NAME	PHYSIOG
MITDIPH	Mitella diphylla	Х	5	2			Bishop's-cap	N Forb
MITNUDA	Mitella nuda	X	6	-3			Naked Mitrewort	N Forb
MITREPE	Mitchella repens	X	6	2			Partridge-berry	N Shrub
MOLVERT	Mollugo verticillata	Ir		0		-2	Carpetweed	A Forb
MONDIDY	Monarda didyma	U	8	3	S3		Oswego Tea	N Forb
MONFIST	Monarda fistulosa	С	6	3			Wild Bergamot	N Forb
MONHYPO	Monotropa hypopithys	R1	6	5			Pinesap	N Forb
MONPUNC	Monarda punctata	R1	9	5	S1		Spotted Horsemint	N Forb
MONUNIF	Monotropa uniflora	Х	6	3			Indian Pipe	N Forb
MORALBA	Morus alba	1		0		-3	W hite Mulberry	A Tree
MORRUBR	Morus rubra	R1	10	1	S2		Red Mulberry	N Tree
MUHASPE	Muhlenbergia as perifolia	Ir		5	SE	-1	Scratch Grass	A Grass
MUHFRON	Muhlenbergia frondosa	X	5	-3			Wire-stemmed Muhly	N Grass
MUHGLOM	Muhlenbergia glomerata	Χ	7	-4			Marsh Wild-timothy	N Grass
MUHMEXI	Muhlenbergia mexicana	Х	1	-3			Satin Grass	N Grass
MUHSCHR	Muhlenbergia schreberi	Χ	1	0	S4		Nimble Will	N Grass
MUHTENU	Muhlenbergia tenuiflora	R3	9	5	S2		Slender Satin Grass	N Grass
MUSBOTR	Muscari botryoides	Ir		5		-1	Grape Hyacinth	A Forb
MYOAQUA	Myosoton aquaticum	Ir		-1		-1	Giant Chickweed	A Forb
MYOLAXA	Myosotis laxa	X	6	-5			Smaller Forget-me-not	N Forb
MYOSCOR	Myosotis scorpioides	Т		-5		-1	True Forget-me-not	A Forb
MYOSTRI	Myosotis stricta	Ir		5		-1	Forget-me-not	A Forb
MYOSYLV	Myosotis sylvatica	Ir		5		-1	Forget-me-not	A Forb
MYRSIBI	Myriophyllum sibiricum	R4	6	-5			Northern W ater-milfoil	N Forb
NAJFLEX	Najas flexilis	R1	5	-5			Bushy Naiad	N Forb
NARCIS.	Narcissus sp.	1				-1	Daffodil species	A Forb
NASOFFI	Nasturtium officinale	ı		-5		-1	Water Cress	A Forb
NEMMUCR	Nemopanthus mucronatus	Χ	8	-5			Mountain Holly	N Shrub
NEPCATA	Nepeta cataria	lc		1		-2	Catnip	A Forb
NUPADVE	Nuphar advena	R1	7	-5	S2		Yellow Pond-lily	N Forb
NUPVARI	Nuphar variegata	Х	4	-5			Bullhead Lily	N Forb
NYMODOR	Nymphaea odorata	Χ	5	-5			Fragrant W ater-lily	N Forb
NYSSYLV	Nyssa sylvatica	R2	9	-4	S3		Black-gum	N Tree
OENBIEN	Oenothera biennis	R1	0	3			Hairy Yellow Evening-primrose	N Forb
OENCLEL	Oenothera clelandii	R1	9	5	S1		Cleland's Evening-primrose	N Forb
OENLACI	Oenothera laciniata	Ir		3		-1	Cut-leaved Evening-primrose	A Forb
OENOAKE	Oenothera oakesiana	Rh	8	5			Evening-primrose	N Forb
OENPARV	Oenothera parviflora	Χ	1	3			Small-flowered Evening-primrose	N Forb
OENPERE	Oenothera perennis	R4	6	0			Sundrops	N Forb
OENPILO	Oenothera pilos ella	R2	8	1	S2		Meadow Sundrops	N Forb
ONOACAN	Onopordum acanthium	I				-1	Scotch Thistle	A Forb
ONOMOLL	Onosmodium molle	R3	8	5	S2		False Gromwell	N Forb
ONOSENS	Onoclea sensibilis	Χ	4	-3			Sensitive Fern	N Fern
OPHPUSI	Ophioglossum pusillum	R1	6	3			Northern Adder's-tongue Fern	N Fern
ORIVULG	Origanum vulgare	lu		5		-2	Wild Marjoram	A Forb
ORNUMBE	Ornithogalum umbellatum	lr		1		-1	Star-of-Bethlehem	A Forb
OROUNIF	Orobanche uniflora	VU	8	5			One-flowered Cancer-root	N Forb
ORTSECU	Orthilia secunda	R2	5	-1			One-sided Pyrola	N Forb
ORYASPE	Oryzopsis asperifolia	Χ	6	5			Rough-leaved Mountain-rice	N Grass
ORYPUNG	Oryzopsis pungens	R1	8	5	S5		Sharp-leaved Oryzopsis	N Grass
ORYRACE	Oryzopsis racemosa	Χ	7	5			Mountain-rice	N Grass

SP_CODE	SCI_NAME	MIDD	СС	CW	SRANK	WEED	COM_NAME	PHYSIOG
OSDCINN	Osmunda cinnamomea	Χ	7	-3			Cinnamon Fern	N Fern
OSDCLAY	Osmunda claytoniana	Χ	7	-1			Interrupted Fern	N Fern
OSDREGA	Osmunda regalis	Χ	7	-5			American Royal Fern	N Fern
OSMCLAY	Osmorhiza claytonii	Χ	5	4			Sweet-cicely	N Forb
OSMLONG	Osmorhiza longistylis	Х	6	4			Long-styled Sweet-cicely	N Forb
OSTVIRG	Ostrya virginiana	С	4	4			Hop-hornbeam	N Tree
OXACORN	Oxalis corniculata	lr		3		-1	Creeping W ood-sorrel	A Forb
OXADILL	Oxalis dillenii	Χ	0	3			Common Yellow W ood-sorrel	N Forb
OXALIS.	Oxalis sp.	lc	0	3			W ood-sorrel species	N Forb
OXASTRI	Oxalis stricta	Χ	0	3			European W ood-sorrel	N Forb
PANBORE	Panicum boreale	R1	7	2	S4		Northern Panic Grass	N Grass
PANCAPI	Panicum capillare	Χ	0	0			Witch Grass	N Grass
PANCLAN	Dichanthelium clandestinum	R2	8	-3	S2		Hidden Panic Grass	N Grass
PANCOLU	Panicum columbianum	R1	6	5	S5		Columbia Panic Grass	N Grass
PANDEPA	Panicum depauperatum	R1	6	5	S4		Impoverished Panic Grass	N Grass
PANDICF	PANICUM DICHOTOMIFLORUM	lc		-2		-1	PANIC GRASS	A Grass
PANDICH	Dichanthelium dichotomum	R2	9	1	S2		Forked Panic Grass	N Grass
PANFLEX	Panicum flexile	R4	8	-4	S4		Wiry Witch Grass	N Grass
PANGATT	Panicum gattingeri	U	3	0	S3		Gattinger's Witch Grass	N Grass
PANIMPL	Panicum implicatum	С	2	0			Hairy Panic Grass	N Grass
PANLATI	Panicum latifolium	Χ	6	3			Broadleaf Panic Grass	N Grass
PANLIND	Panicum lindheimeri	R1	8	-5			Lindheimer's Panic Grass	N Grass
PANLINE	Panicum linearifolium	VU	6	5			Narrow-leaved Panic Grass	N Grass
PANMILI	Panicum miliaceum	Ir		5		-1	Common Millet	A Grass
PANOLIG	Panicum oligosanthes	٧U	7	3	S4		Few-flowered Panic Grass	N Grass
PANOLIG	Panicum oligosanthes	VU	7	3			Few-flowered Panic Grass	N Grass
PANPERL	Panicum perlongum	Rh	10	5	S1		Round-fruited Panic Grass	N Grass
PANPRAE	Panicum praecocius	R2	9	5	S2		Panic Grass	N Grass
PANQ UIN	Panax quinquefolius	R2	9	5	S3		American Ginseng	N Forb
PANRIGI	Panicum rigidulum	R1	9	-3	S2		Stiff Panic Grass	N Grass
PANSPHA	Dichanthelium sphaerocarpon	R3	8	3	S3		Panic Grass	N Grass
PANTRIF	Panax trifolius	VU	8	5			Dwarf Ginseng	N Forb
PANTUCK	Panicum tuckermanii	R2	8	-3			Tuckerman's Witch Grass	N Grass
PANVIRG	Panicum virgatum	Χ	6	-1	S4		Switch Grass	N Grass
PARGLAU	Parnassia glauca	Χ	8	-5			Grass-of-Parnassus	N Forb
PARINSE	Parthenocissus inserta	Χ	3	3			Virginia Creeper	N Vine
PARPENS	Parietaria pensylvanica	VU	3	3			Pellitory	N Forb
PARQUIN	Parthenocissus quinquefolia	Χ	6	1			Virginia Creeper	N Vine
PASSATI	Pastinaca sativa	I		5		-3	Wild Parsnip	A Forb
PASSETA	Paspalum setaceum	R1	8	5	S2		Paspalum	N Grass
PEDCANA	Pedicularis canadensis	Χ	7	2			W ood-betony	N Forb
PEDLANC	Pedicularis lanceolata	Χ	9	-4	S4		Swamp Lousewort	N Forb
PENDIGI	Penstemon digitalis	Χ	6	1			Foxglove Beard-tongue	N Forb
PENHIRS	Penstemon hirsutus	R3	7	5			Hairy Beard-tongue	N Forb
PENSEDO	Penthorum sedoides	Χ	4	-5			Ditch Stonecrop	N Forb
PENTUBA	Penstemon tubaeflorus	Ir				-1	Tubular-flowered Beard-tongue	A Forb
PETCRIS	Petroselinum crispum	Ir		5		-1	Common Parsley	A Forb
PETFRIG	Petasites frigidus	R1	8	-3			Sweet Coltsfoot	N Forb
PHAARUN	Phalaris arundinacea	Χ	0	-4			Reed Canary Grass	N Grass
PHACANA	Phalaris canariens is	I		3		-1	Canary Grass	A Grass
PHECONN	Phegopteris connectilis	R1	8	5			Northern Beech Fern	N Fern

SP_CODE	SCI_NAME	MIDD	CC	CW	SRANK	WEED	COM_NAME	PHYSIOG
PHEHEXA	Phegopteris hexagonoptera	R1	9	1	S3		Southern Beech Fern	N Fern
PHLDIVA	Phlox divaricata	Χ	7	3			Blue Phlox	N Forb
PHLPANI	Phlox paniculata	Ir		3		-1	Garden Phlox	A Forb
PHLPRAT	Phleum pratense	Ic		3		-1	Timothy	A Grass
PHLSUBU	PHLOX SUBULATA	Rh		5		-1	MOSS PHLOX; MOSS or ROSE PINK	A Forb
PHRAUST	Phragmites australis	Χ	0	-4			Common Reed	N Grass
PHRLEPT	Phryma leptostachya	Х	6	5			Lopseed	N Forb
PHYALKE	Physalis alkekengi	lr		5		-1	Chinese Lantern	A Forb
PHYAMER	Phytolacca americana	Х	3	1			Pokeweed	N Forb
PHYHETE	Physalis heterophylla	Χ	3	5			Clammy Ground-cherry	N Forb
PHYOPUL	Physocarpus opulifolius	Х	5	-2			Ninebark	N Shrub
PHYSUBG	Physalis subglabrata	Χ	6	5			Smooth Ground-cherry	N Forb
PHYVIRG	Physostegia virginiana	R2	8	-3			False Dragonhead	N Forb
PICABIE	Picea abies	1		5		-1	Norway Spruce	A Tree
PICGLA*	PICEA GLAUCA	ı		3		-1	WHITE SPRUCE (PLANTED)	A Tree
PICGLAU	Picea glauca	1	6	3			White Spruce	N Tree
PICHIER	Picris hieracioides	ı		5		-1	Ox-tongue	A Forb
PICMARI	Picea mariana	R1	8	-3			Black Spruce	N Tree
PILFONT	Pilea fontana	VU	5	-3			Clearweed	N Forb
PILPUMI	Pilea pumila	X	5	-3			Clearweed	N Forb
PINBANK	Pinus banksiana	ı	9	3			Jack Pine	N Tree
PINRES*	PINUS RESINOSA	lr		3		-1	RED PINE (PLANTED)	A Tree
PINRESI	Pinus resinosa	Ir	8	3			Red Pine	N Tree
PINSTRO	Pinus strobus	X	4	3			White Pine	N Tree
PINSYLV	Pinus sylvestris	lr .	•	5		-3	Scots Pine	A Tree
PLABLEP	Platanthera blephariglottis	Rh	10	-5	S3	<u> </u>	White Fringed-orchid	N Forb
PLACLAV	Platanthera clavellata	R1	8	-4	00		Little Club-spur Orchid	N Forb
LACCAV		R1	9	-5	S1		Heart-leaved Plantain	N Forb
PLADILA	Platanthera dilatata	R2	10	-3	31		Tall White Bog Orchid	N Forb
PLAHOOK		R2	8	-1			Hooker's Orchid	N Forb
PLAHYPE	Platanthera hyperborea	VU	5	-4			Tall Northern Green Orchid	N Forb
PLALACE	Platanthera lacera	X	6	-3			Ragged Fringed-orchid	N Forb
PLALANC	Plantago lanceolata	lc	U	0		-1	English Plantain	A Forb
PLALEUC	Platanthera leucophaea	R2	10	-4	S2	-1		N Forb
PLAMAJO	•	lc	10	-4	32	-1	Prairie Fringed-orchid Common Plantain	A Forb
PLAMEDI	Plantago major Plantago media	Ir		5		-1	Hoary Plantain	A Forb
PLAOCCI	Platanus occidentalis	X	8	-3			Sycamore	N Tree
PLAPSYC							,	N Forb
	Plantago rugolii	R4 C	8 1	-3 0			Small Purple Fringed-orchid Rugel's Plantain	N Forb
	Plantago rugelii Poa alsodes	X	7	-2			Woodland Poa	N Grass
	Poa annua	lc	1	-2 1		-2	Annual Blue Grass	
	Poa annua Poa bulbosa					-2 -1		A Grass
		lvu	0	0		-1	Bulbous Poa	A Grass
	Poa compressa	X	0	2	60		Canada Blue Grass	N Grass
	Poa languida	VU	8	5	S3		Languid Poa	N Grass
	Poa nemoralis	lr 	-	0		-1	Wood Blue Grass	A Grass
POAPALU	•	X	5	-4			Fowl Meadow Grass	N Grass
	Poa pratensis	С	0	1			Kentucky Blue Grass	N Grass
POASYLV	Poa sylvestris	R1	10	0	S1		Woodland Poa	N Grass
POATRIV	Poa trivialis	I		-3		-1	Rough Blue Grass	A Grass
PODPELT	Podophyllum peltatum	X	5	3			May-apple	N Forb
POGOPHI	Pogonia ophioglos soides	R2	10	-5			Rose Pogonia	N Forb

POLACRO Polygonum anchreum VI	SP_CODE	SCI_NAME	MIDD	СС	CW	SRANK	WEED	COM_NAME	PHYSIOG
POLAVIC Polygonum aryculare C	POLACHO	Polygonum achoreum	VU	0	5			Striate Knotweed	N Forb
POLAVIC Polygonum aviculare Ic 1 -1 Prostrate Knoweed A Forb POLBIFL Polygonum aviculare Ic 1 -1 Knotweed A Forb POLBIFL Polygonum buildome R1 0 5 Knotweed N Forb POLCANA Polygonum cuspidatum I 1 -1 Wild Buckwheat A Vine POLCANA Polygonum cuspidatum I 3 5 4 Ledroup N Forb POLERDE Polygonum convolvulus I 1 -1 Wild Buckwheat A Vine POLERDE Polygonum exertum R 2 3 S1 Erect Knotweed N Forb POLHYDD Polygonum hydropiperoides X 4 -5 Water-pepper N Forb POLHYDD Polygonum mydropiperoides X 4 -5 Water-pepper N Forb POLHYDD Polygonum mydropiperoides X 4 -5 Water-pepper N Forb POLMLT D Polygonum m	POLACRO	Polystichum acrostichoides	Χ	5	5			Christmas Fern	N Fern
POLIBIF Polygonum bufforum	POLAMPH	Polygonum amphibium	Х	5	-5			Water Smartweed	N Forb
POLBEIF	POLAVIC	Polygonum aviculare	Ic		1		-1	Prostrate Knotweed	A Forb
POLBLIX Polygonum budderme R1 0 5 Knotweed N Forb POLCANA Polymnia caradensis R3 8 5 \$4 Leadrup N Forb POLCONA Polygonum cusplidatum Iu 3 -1 Japanese Knotweed A Forb POLENCE Polygonum cusplidatum Iu 3 -1 Japanese Knotweed N Forb POLHYDD Polygonum hydropiperides X 4 -6 Mater-pepper N Forb POLHYDR Polygonum hydropiperides X 4 -6 W ater-pepper N Forb POLHADR Polygonum hydropiperides I 4 -6 W ater-pepper N Forb POLHADR Polygonum hydropiperides I 4 -6 W ater-pepper N Forb POLHADR Polygonum hydropiperides I 4 -6 W ater-pepper N Forb POLLAPIA Polygonum hydropiperides X 2 -4 Pales Montary POLLAPIA Polygonum hydropiperides	POLAVIC	Polygonum aviculare	Ic		1		-1	Knotweed	A Forb
POLCONN	POLBIFL	Polygonatum biflorum	R1	8	3	S4		Solomon's-seal	N Forb
POLCONV Polygonum convolvulus 1	POLBUXI	Polygonum buxiforme	R1	0	5			Knotweed	N Forb
POLEREC Polygonum erectum Rh 2 3 51 Erect Knotweed N Forb	POLCANA	Polymnia canadensis	R3	8	5	S4		Leafcup	N Forb
POLEREC Polygonum rectum Rh 2 3 S1 Erect Knotweed N Forb POLHYDD Polygonum hydropiperoides X 4 -5 Mild Water-pepper N Forb POLLAPA Polygonum mydropiper I 4 -5 Water-pepper N Forb POLAULT Polygonatum mydropiper Ir -1 Great Solomon's-seal A Forb POLAULT Polygonatum polygonum orientale Ir -1 Great Solomon's-seal A Forb POLPAD Polygonum persylvanicum X 3 -4 Princes Feather A Forb POLPERS Polygonum persylvanicum X 3 -4 Princes Feather N Forb POLPERS Polygonum persylvanicum X 3 -4 Ladys-thumb A Forb POLPERS Polygonum persylvanicum X 3 -4 Ladys-thumb A Forb POLPUSE Polygonal mydrophygama R 1 9 4 Racemed Mikwort N Forb POLSAGI Polygonum segata	POLCONV	Polygonum convolvulus	I		1		-1	Wild Buckwheat	A Vine
POLHYDD Polygonum hydropiperoides X 4 -5 Mild Water-pepper N Forb POLHYDR Polygonum hydropiper I 4 -5 Water-pepper N Forb POLUNDA Polygonum mydropiper I 4 -5 Water-pepper N Forb POLUNUT Polygonum ordentale Ir -1 Great Solomon's-seal A Forb POLPAUC Polygonum pensylvanicum X 3 -4 Prince's Feather A Forb POLPENS Polygonum pensylvanicum X 3 -4 Pinkweed N Forb POLPERS Polygonum pensylvanicum X 3 -4 Pinkweed N Forb POLPERS Polygonum pensylvanicum X 3 -4 Racemed Mikwort N Forb POLPERS Polygonum pensylvanicum X 4 -5 Sanattweed N Forb POLPURC Polygonum punterus X 4 -5 Sanattweed N Forb POLPURD Polygonum unterus X <	POLCUSP	Polygonum cuspidatum	lu		3		-1	Japanese Knotweed	A Forb
POLHYDR Polygonum hydropiper I 4 -5 Water-pepper N Forb POLLAPA Polygonatum mapathfolium X 2 -4 Pale Smartweed N Forb POLORIE Polygonum porentale Ir -1 Grad Solomon's-seal A Forb POLPAUC Polygonum persylvanicum X 3 -4 Prince's Feather A Forb POLPENS Polygonum persylvanicum X 3 -4 Pinkwed N Forb POLPERS Polygonum persideria I -3 -1 Lady's-thumb A Forb POLPUPU Polygolap olygonam R1 9 4 Racemed Mikwort N Forb POLPUBC Polygonam punctatum X 4 -5 Smartweed N Forb POLSCAN Polygonum sagittatum R4 -5 Smartweed N Forb POLSCAN Polygonum sagittatum R4 -5 Smartweed N Forb POLSCAN Polygonum tenue R1 10 5 S	POLEREC	Polygonum erectum	Rh	2	3	S1		Erect Knotweed	N Forb
POLLAPA Polygonum lapathifolium X 2 -4 Pale Smartweed N Forb POLMULT Polygonum centrale Ir -1 Great Solomon's-seal A Forb POLORIE Polygonum pensivarioum X 3 -4 Prince's Feather A Forb POLPAUC Polygonum pensylvanicum X 3 -4 Prinkweed N Forb POLPERS Polygonum pensylvanicum X 3 -4 Prinkweed N Forb POLPERS Polygonum pensylvanicum X 3 -1 Lady's-thumb A Forb POLPURS Polygonum pensylvanicum X 4 -5 Racemed Mikwort N Forb POLPURD Polygonum pubescens X 5 5 Hairy Solomon's-seal N Forb POLPURD Polygonum sagitatum X 4 -5 Smartweed N Forb POLSCAN Polygonum sagitatum R 4 5 -5 A row-leaved Tear-thumb N Forb POLSCAN Polygonum sagitatum <td< td=""><td>POLHYDD</td><td>Polygonum hydropiperoides</td><td>Χ</td><td>4</td><td>-5</td><td></td><td></td><td>Mild W ater-pepper</td><td>N Forb</td></td<>	POLHYDD	Polygonum hydropiperoides	Χ	4	-5			Mild W ater-pepper	N Forb
POLMULT Polygonatum multiflorum Ir -1 Great Solomon's-seal A Forb POLORIE Polygonum orientale Ir 5 -1 Prince's Feather A Forb POLPAIC Polygala paucifolia VU 6 3 Fringed Polygala N Forb POLPENS Polygonum persicaria I -3 -1 Lady's-thumb A Forb POLPOLY Polygonum persicaria I -3 -1 Lady's-thumb A Forb POLPUED Polygonal punctatum X 5 5 Hairy Solomon's-seal N Forb POLSAGI Polygonum sqifatalm R4 5 Smartweed N Forb POLSAGI Polygonum scandens X 3 0 Climbing False Buckwheat N Yine POLSAGI Polygonum scandens X 3 0 Climbing False Buckwheat N Yine POLSAGI Polygonum tenue R1 10 5 S Sleneca Snakeroot N Forb POLTENID Polygonum useritam <t< td=""><td>POLHYDR</td><td>Polygonum hydropiper</td><td>I</td><td>4</td><td>-5</td><td></td><td></td><td>W ater-pepper</td><td>N Forb</td></t<>	POLHYDR	Polygonum hydropiper	I	4	-5			W ater-pepper	N Forb
POLORIE Polygonum orientate Ir 5 -1 Prince's Feather A Forb POLPAUC Polygala paucifolia VU 6 3 Fringed Polygala N Forb POLPENS Polygonum pensylvanicum X 3 -4 Pinkweed N Forb POLPORY Polygonum pensylvanicum X 3 -1 Lady's-thumb A Forb POLPURD Polygonum pubescens X 5 5 Hairy Solomon's-seal N Forb POLPUNC Polygonum punctatum X 4 -5 Smartweed N Forb POLSCABI Polygonum sagattatum R 4 -5 Smartweed N Forb POLSENE Polygonum scandens X 3 0 Climbing False Buckwheat N Vine POLSENE Polygonum scandens X 3 0 Climbing False Buckwheat N Vine POLSENE Polygolau serticillata R 1 10 5 52 Slender Knotweed N Forb POLVERT Polygala verticillat	POLLAPA	Polygonum lapathifolium	Χ	2	-4			Pale Smartweed	N Forb
POLPAUC Polygala paucifolia VU 6 3 Fringed Polygala N Forb POLPENS Polygonum pensylvanicum X 3 -4 Pinkweed N Forb POLPERS Polygonum pensylvanicum X 3 -4 Pinkweed N Forb POLPUSP Polygonum pensicaria I -3 -1 Ladys-thumb A Forb POLPUNC Polygonum punctum X 5 5 Hairy Solomon's-seal N Forb POLPUNC Polygonum punctum X 4 -5 Smartweed N Forb POLSAGI Polygonum sagitatum R4 5 -5 Arrow-leaved Tear-thumb N Forb POLSAGI Polygonum sagitatum R4 5 -5 Arrow-leaved Tear-thumb N Forb POLSAGI Polygonum sagitatum R4 5 -5 Arrow-leaved Tear-thumb N Forb POLSAGI Polygala senega VU 7 3 Seneace Snakeroot N Forb POLSENE Polygala serticilitata <td>POLMULT</td> <td>Polygonatum multiflorum</td> <td>Ir</td> <td></td> <td></td> <td></td> <td>-1</td> <td>Great Solomon's-seal</td> <td>A Forb</td>	POLMULT	Polygonatum multiflorum	Ir				-1	Great Solomon's-seal	A Forb
POLPENS Polygonum pensylvanicum X 3 -4 Pinkweed N Forb POLPERS Polygonum persicaria I -3 -1 Lady's-thumb A Forb DQLPQLY Polygonatum pubescens X 5 5 Hainy Solomon's-seal N Forb POLPUNC Polygonum punctatum X 4 -5 Smartweed N Forb POLSAGAN Polygonum sagitatum R4 5 -5 Arrow-leaved Tear-thumb N Forb POLSAGAN Polygonum sagitatum R4 5 -5 Arrow-leaved Tear-thumb N Forb POLSAGAN Polygonum sagitatum R4 5 -5 Arrow-leaved Tear-thumb N Forb POLSAGAN Polygonum sagitatum R4 5 -5 Arrow-leaved Tear-thumb N Forb POLSAGAN Polygonum tenue R1 10 5 S Slendar Knotweed N Forb POLVERT Polygola verticillata Rh 7 5 Whorled Milkwort N Forb POLVERT <t< td=""><td>POLORIE</td><td>Polygonum orientale</td><td>Ir</td><td></td><td>5</td><td></td><td>-1</td><td>Prince's Feather</td><td>A Forb</td></t<>	POLORIE	Polygonum orientale	Ir		5		-1	Prince's Feather	A Forb
POLPERS Polygonum persicaria I -3 -1 Ladys-thumb A Forb POLPOLY Polygala polygama R1 9 4 Racemed Mikwort N Forb POLPURD Polyganum punctatum X 4 -5 Smartweed N Forb POLSAGI Polygonum punctatum X 4 -5 Smartweed N Forb POLSAGI Polygonum scandens X 3 0 Climbing False Buckwheat N Forb POLSENE Polygala senega VU 7 3 Seneca Snakerodt N Forb POLTERU Polygala verticillata Rh 7 5 W horled Mikwort N Forb POLVIRG Polygala verticillata Rh 7 5 W horled Mikwort N Forb POLVIRG Polygala verticillata Rh 7 5 W horled Mikwort N Forb POLVIRE Polygala verticillata Rh 7 5 W horled Mikwort N Forb POLVIRET Polygala verticillata <t< td=""><td>POLPAUC</td><td>Polygala paucifolia</td><td>VU</td><td>6</td><td>3</td><td></td><td></td><td>Fringed Polygala</td><td>N Forb</td></t<>	POLPAUC	Polygala paucifolia	VU	6	3			Fringed Polygala	N Forb
POLPOLY Polygala polygama R1 9 4 Racemed Mikwort N Forb POLPUBE Polygonatum pubescens X 5 5 Hairy Solomon's-seal N Forb POLPUNC Polygonum punctatum X 4 -5 Smartweed N Forb POLSAGI Polygonum sagitatum R4 5 -5 Arrow-leaved Tear-thumb N Forb POLSAGI Polygonum sagitatum R4 5 -5 Arrow-leaved Tear-thumb N Forb POLSENE Polygola senega VU 7 3 Seneca Snakeroot N Forb POLSENE Polygala senega VU 7 3 Seneca Snakeroot N Forb POLVERT Polygala verticillata Rh 7 5 W horled Milkwort N Forb POLVERT Polygala verticillata Rh 7 5 W horled Milkwort N Forb POLVERT Polygala verticillata Rh 7 5 W horled Milkwort N Forb POLVERT Polygala vertici	POLPENS	Polygonum pensylvanicum	Χ	3	-4			Pinkweed	N Forb
POLPUBE Polygonatum pubescens X 5 5 Hairy Solomon's-seal N Forb POLPUNC Polygonum punctatum X 4 -5 Smartweed N Forb POLSAGI Polygonum seandens X 3 0 Climbing False Buckwheat N Vine POLSENE Polygala senega VU 7 3 Seneca Snakeroot N Forb POLSENE Polygala senega VU 7 3 Seneca Snakeroot N Forb POLVERT Polygala vericilata Rh 7 5 Whorled Milkwort N Forb POLVERT Polygala vericilata Rh 7 5 Whorled Milkwort N Forb POLVERT Polygala vericilata Rh 7 5 Whorled Milkwort N Forb POLVERT Polygala vericilata Rh 7 5 Whorled Milkwort N Forb POLVIRG Polyganum virginianum X 6 0 Jumpseed N Forb POPBLS Populus alba I	POLPERS	Polygonum persicaria	I		-3		-1	Lady's-thumb	A Forb
POLPUNC Polygonum punctatum X 4 -5 Smartweed N Forb POLSAGI Polygonum sagitatum R4 5 -5 Arrow-leaved Tear-thumb N Forb POLSCAS Polygonum scandens X 3 0 Climbing False Buckwheat N Vine POLSENE Polygala senega VU 7 3 Seneca Snakeroot N Forb POLVERT Polygala verticillata Rh 7 5 W horled Milkwort N Forb POLVIRG Polygonum virginianum X 6 0 Jumpseed N Forb POLVIRG Polygonum virginianum X 6 0 Jumpseed N Forb POLVIRG Polygonum virginianum X 6 0 Jumpseed N Forb POPLUS Boltoides X 4 -3 Balsam Poplar N Tree POPBALS Populus balsamifera X 4 -1 Cottonwood N Tree POPBALS Populus grandidentata X 5 3 </td <td>POLPOLY</td> <td>Polygala polygama</td> <td>R1</td> <td>9</td> <td>4</td> <td></td> <td></td> <td>Racemed Mikwort</td> <td>N Forb</td>	POLPOLY	Polygala polygama	R1	9	4			Racemed Mikwort	N Forb
POLSAGI Polygonum sagitatum R4 5 -5 Arrow-leaved Tear-thumb N Forb POLSCAN Polygonum scandens X 3 0 Climbing False Buckwheat N Vine POLSENE Polygala senega VU 7 3 Seneca Snakeroot N Forb POLTENU Polygonum tenue R1 10 5 S2 Slender Knotweed N Forb POLVERT Polygala verticillata Rh 7 5 Whorled Milkwort N Forb POLVERT Polygala verticillata Rh 7 5 Whorled Milkwort N Forb POLVERT Polygala verticillata Rh 7 5 Whorled Milkwort N Forb POLVERT Polygala verticillata Rh 7 5 Whorled Milkwort N Forb POLVERT Polygala verticillata Rh 7 5 Whorled Milkwort N Forb POLVERT Polygala verticillata Rh 7 5 Whorled Milkwort N Forb POLVERT Polygala verticillata Rh 7 5 Whorled Milkwort N Forb POLVERT Polygala verticillata Rh 7 5 Whorled Milkwort N Forb POLVERT Polygala verticillata Rh 7 5 Whorled Milkwort N Forb POLVERT Polygala verticillata Rh 7 5 Whorled Milkwort N Forb POPALBA Populus alba II 5 -3 White Poplar A Tree POPBALS Populus balsamifera X 4 -3 Balsam Poplar N Tree POPDELT Populus deltoides X 4 -1 Cottonwood N Tree POPORAN Populus grandidentata X 5 3 Large-toothed Aspen N Tree POPTREM Populus nigra II 5 -1 Lombardy Poplar A Tree POPTREM Populus nigra II 5 -1 Lombardy Poplar A Tree POPTREM Populus remulcides X 2 0 Trembling Aspen N Tree POPTREM Populus nigra II Common Purslane N Forb POTAMPL Potemogeton amplifolius R4 5 -5 Large-leaved Pondweed N Forb POTAMPL Potemogeton amplifolius R4 5 -5 Samall Pondweed N Forb POTAMPL Potemogeton berchtoldii R2 4 -5 Samall Pondweed N Forb POTENC Potentilla argentea II 3 -2 Silvery Cinquefoil A Forb POTENC Potentilla argentea II -5 -3 Curly-leaved Pondweed N Forb POTENC Potentilla fruticosa R1 9 -3 Shrubby Cinquefoil N Shrub POTENCH Potentilla fruticosa R1 9 -3 Shrubby Cinquefoil N Shrub POTENCH Potentilla inclinata II -5 Norb POTENCH Potentilla inclinata II -5 Norb POTORAMP Potentilla inclinata II -5 Norb POTORAMP Potentilla inclinata II -5 Norb POTONODO Potentilla inclinata II -5 Norb POTONODO Potentilla norvegica II 0 0 Rough Cinquefoil N Forb POTNONDO Potentilla norvegica II 0 0 Rough Cinque	POLPUBE	Polygonatum pubescens	Х	5	5			Hairy Solomon's-seal	N Forb
POLSCAN Polygonum scandens X 3 0 Climbing False Buckwheat N Vine POLSENE Polygala senega VU 7 3 Seneca Snakeroot N Forb POLTENU Polygonum tenue R1 10 5 S2 Slender Knotweed N Forb POLVERT Polygala verticillata Rh 7 5 Whorled Milkwort N Forb POLVERT Polygala verticillata Rh 7 5 Whorled Milkwort N Forb POLVIRG Polygonum virginianum X 6 0 Jumpseed N Forb POPALBA Populus alba I 5 -3 White Poplar A Tree POPBALS Populus balsamifera X 4 -3 Balsam Poplar N Tree POPBALS Populus deltoides X 4 -1 Cottonwood N Tree POPERAN Populus grandidentata X 5 3 Large-toothed Aspen N Tree POPRAN Populus grandidentata X 5 3 Large-toothed Aspen N Tree POPREM Populus Itemuloides X 2 0 Trembling Aspen N Tree POPTEM Populus tremuloides X 2 0 Trembling Aspen N Forb POTAMPL Potamogeton amplifolus R4 5 -5 Large-leaved Pondweed N Forb POTAMSE Potentilla anserina X 5 -4 Silverweed N Forb POTARGE Potentilla argentea I 3 -2 Silvery Cinquefoll A Forb POTARGE Potamogeton brechtoldii R2 4 -5 Sall Pondweed N Forb POTARGE Potamogeton foliosus R2 4 -5 Sall Pondweed N Forb POTORIS Potamogeton foliosus R2 4 -5 Sall Pondweed N Forb POTFOLI Potamogeton foliosus R2 4 -5 Leafy Pondweed N Forb POTGRAM Potamogeton gramineus R2 4 -5 Variable-leaved Pondweed N Forb POTGRAM Potamogeton gramineus R2 4 -5 ILeafy Pondweed N Forb POTGRAM Potamogeton gramineus R2 5 -5 Floating Pondweed N Forb POTRAL Potamogeton indinata I 5 -1 Downy Cinquefoll N Shrub POTRAL Potamogeton indinata I 5 -1 Downy Cinquefoll N Forb POTINCL Potentilla inclinata I 5 -1 Downy Cinquefoll N Forb POTNODO Potamogeton natans R2 5 -5 Floating Pondweed N Forb POTNODO Potamogeton natans R2 5 -5 Knotty Pondweed N Forb POTNORV Potentilla natureica R3 7 -5 Knotty Pondweed N Forb POTPOLT Potentilla natureica R3 7 -5 Marsh Cinquefoll N Forb	POLPUNC	Polygonum punctatum	X	4	-5			Smartweed	N Forb
POLSENE Polygala senega VU 7 3 Seneca Snakeroot N Forb POLTENU Polyganum tenue R1 10 5 S2 Slender Knotweed N Forb POLVERT Polygala verticillata Rh 7 5 Whorled Milkwort N Forb POLVIRG Polyganum virginianum X 6 0 Jumpseed N Forb POLVIRG Polyganum virginianum X 6 0 Jumpseed N Forb POPALBA Populus alba I 5 -3 White Poplar A Tree POPBALS Populus balsamifera X 4 -3 Balsam Poplar N Tree POPBALS Populus deltoides X 4 -1 Cottonwood N Tree POPDELT Populus deltoides X 5 3 Large-toothed Aspen N Tree POPREM Populus grandidentata X 5 3 Large-toothed Aspen N Tree POPREM Populus remuloides X 2 0 Tembling Aspen N Tree POPTREM Populus tremuloides X 2 0 Tembling Aspen N Tree PORTAMPL Potamogeton amplifolius R4 5 -5 Large-leaved Pondweed N Forb POTAMSE Potentilla anserina X 5 -4 Silverweed N Forb POTAMSE Potentilla argentea I 3 -2 Silvery Cinquefoil A Forb POTARGE Potamogeton berchtoldii R2 4 -5 Small Pondweed N Forb POTECT Potamogeton foliosus R2 4 -5 Leafy Pondweed N Forb POTENT Potamogeton gramineus R2 4 -5 Leafy Pondweed N Forb POTENT Potentila fruticosa R1 9 -3 Shrubby Cinquefoil N Shrub POTENT Potentila Inclinata I 5 -1 Downy Cinquefoil N Forb POTINCL Potentila inclinata I 5 -1 Downy Cinquefoil N Forb POTINCL Potentila inclinata I 5 -1 Downy Cinquefoil N Forb POTINCL Potentila inclinata I 5 -1 Downy Cinquefoil N Forb POTNOD Potamogeton nadass R2 5 -5 Floating Pondweed N Forb POTNOD Potentila inclinata I 5 -1 Downy Cinquefoil N Forb POTNOD Potentila inclinata I 5 -1 Downy Cinquefoil N Forb POTNOD Potentila inclinata I 5 -1 Downy Cinquefoil N Forb POTNOD Potentila inclinata I 7 -5 Knotty Pondweed N Forb POTNOD Potentila inclinata I 7 -5 Knotty Pondweed N Forb POTNOD Potentila inclinata I 7 -5 Knotty Pondweed N Forb POTNOD Potentila inclinata I 7 -5 Knotty Pondweed N Forb POTNOD Potentila inclinata I 7 -5 Knotty Pondweed N Forb	POLSAGI	Polygonum sagittatum	R4	5	-5			Arrow-leaved Tear-thumb	N Forb
POLTENU Polygonum tenue R1 10 5 S2 Slender Knotweed N Forb POLVERT Polygala verticillata Rh 7 5 Whorled Milkwort N Forb POLVERT Polygala verticillata Rh 7 5 Whorled Milkwort N Forb POLVERT Polygonum virginianum X 6 0 Jumpseed N Forb POLVERT Polygonum virginianum X 6 0 Jumpseed N Forb POPALBA Populus alba I 5 3 White Poplar A Tree POPBALS Populus balsamifera X 4 -3 Balsam Poplar N Tree POPBAL Populus deltoides X 4 -1 Cottonwood N Tree POPBELT Populus deltoides X 5 3 Large-toothed Aspen N Tree POPRIGR Populus riging I 5 5 -1 Lombardy Poplar A Tree POPRIGR Populus riging I 5 -1 Lombardy Poplar N Tree POPRIGR Populus tremuloides X 2 0 Trembling Aspen N Tree POROLER Portulaca oleracea X 0 1 Common Purslane N Forb POTAMPL Potamogeton amplifolius R4 5 -5 Large-leaved Pondweed N Forb POTANSE Potentilla anserina X 5 -4 Silverweed N Forb POTARGE Potentilla arserina X 5 -4 Silverweed N Forb POTBERC Potamogeton berchtoldi R2 4 -5 Small Pondweed N Forb POTERU Potamogeton foliosus R2 4 -5 Small Pondweed N Forb POTFOLI Potamogeton foliosus R2 4 -5 Leafy Pondweed N Forb POTFOLI Potamogeton gramineus R2 4 -5 Leafy Pondweed N Forb POTFRUT Potentilla fruticosa R1 9 -3 Shrubby Cinquefoil N Shrub POTINCL Potentilla inclinata I 5 -5 Illinois Pondweed N Forb POTINCL Potentilla inclinata I 5 -5 Ficating Pondweed N Forb POTINCL Potentilla inclinata I 5 -5 Ficating Pondweed N Forb POTNATA Potamogeton nadans R2 5 -5 Ficating Pondweed N Forb POTNATA Potamogeton nadans R2 5 -5 Ficating Pondweed N Forb POTNATA Potamogeton nadans R2 5 -5 Ficating Pondweed N Forb POTNATA Potamogeton nadans R2 5 -5 Ficating Pondweed N Forb POTNATA Potamogeton nadans R2 5 -5 Ficating Pondweed N Forb POTNATA Potamogeton nadasus R1 7 -5 Knotty Pondweed N Forb POTNATA Potamogeton nadasus R1 7 -5 Knotty Pondweed N Forb POTNATA Potamogeton nadasus R1 7 -5 Marsh Cinquefoil N Forb	POLSCAN	Polygonum scandens	X	3	0			Climbing False Buckwheat	N Vine
POLVERT Polygala verticillata Rh 7 5 Whorled Milkwort N Forb POLVIRG Polygonum virginianum X 6 0 Jumpseed N Forb POPALBA Populus alba I 5 -3 White Poplar A Tree POPBALS Populus balsamifera X 4 -3 Balsam Poplar N Tree POPBALS Populus deltoides X 4 -1 Cottonwood N Tree POPBALS Populus deltoides X 4 -1 Cottonwood N Tree POPGRAN Populus grandidentata X 5 3 Large-toothed Aspen N Tree POPGRAN Populus randidentata X 5 3 Large-toothed Aspen N Tree POPNIGR Populus nigra I 5 -1 Lombardy Poplar A Tree POPTREM Populus tremuloides X 2 0 Trembling Aspen N Tree POPTREM Potalica oleracea X 0 1 Common Purslane N Forb POTAMPL Potamogeton amplifolius R4 5 -5 Large-leaved Pondweed N Forb POTANSE Potentilla anserina X 5 -4 Silverweed N Forb POTARGE Potentilla argentea I 3 -2 Silvery Cinquefoil A Forb POTBERC Potamogeton berchtoldii R2 4 -5 Small Pondweed N Forb POTERIC Potamogeton foliosus R2 4 -5 Small Pondweed N Forb POTFOLI Potamogeton foliosus R2 4 -5 Variable-leaved Pondweed N Forb POTGRAM Potamogeton gramineus R2 4 -5 Variable-leaved Pondweed N Forb POTINCL Potentilla inclinata I 5 -5 Illinois Pondweed N Forb POTINCL Potentilla inclinata I 5 -5 Illinois Pondweed N Forb POTNATA Potamogeton natans R2 5 -5 Floating Pondweed N Forb POTNATA Potamogeton natans R2 5 -5 Floating Pondweed N Forb POTNATA Potamogeton natans R2 5 -5 Floating Pondweed N Forb POTNATA Potentilla inclinata R3 7 -5 Marsh Cinquefoil N Forb POTPALU Potentilla norwegica I 0 0 Rough Cinquefoil N Forb POTPALU Potentilla norwegica I 0 0 Rough Cinquefoil N Forb	POLSENE	Polygala senega	VU	7	3			Seneca Snakeroot	N Forb
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POTCRIS Potamogeton crispus I -5 -3 Curly-leaved Pondweed A Forb POTFOLI Potamogeton foliosus R2 4 -5 Leafy Pondweed N Forb POTFRUT Potentilla fruticosa R1 9 -3 Shrubby Cinquefoil N Shrub POTGRAM Potamogeton gramineus R2 4 -5 Variable-leaved Pondweed N Forb POTILLI Potamogeton illinoensis R1 6 -5 Illinois Pondweed N Forb POTINCL Potentilla inclinata I 5 -1 Downy Cinquefoil A Forb POTNATA Potamogeton natans R2 5 -5 Floating Pondweed N Forb POTNODO Potamogeton nodosus R1 7 -5 Knotty Pondweed N Forb POTNORV Potentilla norvegica I 0 0 Rough Cinquefoil N Forb POTPALU Potentilla palustris R3 7 -5 Marsh Cinquefoil N Forb POTPECT Potamogeton pectinatus X 4 -5 Sago Pondweed N Forb	POTARGE	Potentilla argentea	1		3		-2	Silvery Cinquefoil	A Forb
POTFOLI Potamogeton foliosus R2 4 -5 Leafy Pondweed N Forb POTFRUT Potentilla fruticosa R1 9 -3 Shrubby Cinquefoil N Shrub POTGRAM Potamogeton gramineus R2 4 -5 Variable-leaved Pondweed N Forb POTILLI Potamogeton illinoensis R1 6 -5 Illinois Pondweed N Forb POTINCL Potentilla inclinata I 5 -1 Downy Cinquefoil A Forb POTNATA Potamogeton natans R2 5 -5 Floating Pondweed N Forb POTNODO Potamogeton nodosus R1 7 -5 Knotty Pondweed N Forb POTNORV Potentilla norvegica I 0 0 Rough Cinquefoil N Forb POTPALU Potentilla palustris R3 7 -5 Marsh Cinquefoil N Forb POTPECT Potamogeton pectinatus X 4 -5 Sago Pondweed N Forb	POTBERC	Potamogeton berchtoldii	R2	4	-5			Small Pondweed	N Forb
POTFRUT Potentilla fruticosa R1 9 -3 Shrubby Cinquefoil N Shrub POTGRAM Potamogeton gramineus R2 4 -5 Variable-leaved Pondweed N Forb POTILLI Potamogeton illinoensis R1 6 -5 Illinois Pondweed N Forb POTINCL Potentilla inclinata I 5 -1 Downy Cinquefoil A Forb POTNATA Potamogeton natans R2 5 -5 Floating Pondweed N Forb POTNODO Potamogeton nodosus R1 7 -5 Knotty Pondweed N Forb POTNORV Potentilla norvegica I 0 0 Rough Cinquefoil N Forb POTPALU Potentilla palustris R3 7 -5 Marsh Cinquefoil N Forb POTPECT Potamogeton pectinatus X 4 -5 Sago Pondweed N Forb	POTCRIS	Potamogeton crispus	1		-5		-3	Curly-leaved Pondweed	A Forb
POTGRAM Potamogeton gramineus R2 4 -5 Variable-leaved Pondweed N Forb POTILLI Potamogeton illinoensis R1 6 -5 Illinois Pondweed N Forb POTINCL Potentilla inclinata I 5 -1 Downy Cinquefoil A Forb POTNATA Potamogeton natans R2 5 -5 Floating Pondweed N Forb POTNODO Potamogeton nodosus R1 7 -5 Knotty Pondweed N Forb POTNORV Potentilla norvegica I 0 0 Rough Cinquefoil N Forb POTPALU Potentilla palustris R3 7 -5 Marsh Cinquefoil N Forb POTPECT Potamogeton pectinatus X 4 -5 Sago Pondweed N Forb	POTFOLI	Potamogeton foliosus	R2	4	-5			Leafy Pondweed	N Forb
POTILLI Potamogeton illinoensis R1 6 -5 Illinois Pondweed N Forb POTINCL Potentilla inclinata I 5 -1 Downy Cinquefoil A Forb POTNATA Potamogeton natans R2 5 -5 Floating Pondweed N Forb POTNODO Potamogeton nodosus R1 7 -5 Knotty Pondweed N Forb POTNORV Potentilla norvegica I 0 0 Rough Cinquefoil N Forb POTPALU Potentilla palustris R3 7 -5 Marsh Cinquefoil N Forb POTPECT Potamogeton pectinatus X 4 -5 Sago Pondweed N Forb	POTFRUT	Potentilla fruticosa	R1	9	-3			Shrubby Cinquefoil	N Shrub
POTINCL Potentilla inclinata I 5 -1 Downy Cinquefoil A Forb POTNATA Potamogeton natans R2 5 -5 Floating Pondweed N Forb POTNODO Potamogeton nodosus R1 7 -5 Knotty Pondweed N Forb POTNORV Potentilla norvegica I 0 0 Rough Cinquefoil N Forb POTPALU Potentilla palustris R3 7 -5 Marsh Cinquefoil N Forb POTPECT Potamogeton pectinatus X 4 -5 Sago Pondweed N Forb	POTGRAM	Potamogeton gramineus	R2	4	-5			Variable-leaved Pondweed	N Forb
POTNATA Potamogeton natans R2 5 -5 Floating Pondweed N Forb POTNODO Potamogeton nodosus R1 7 -5 Knotty Pondweed N Forb POTNORV Potentilla norvegica I 0 0 Rough Cinquefoil N Forb POTPALU Potentilla palustris R3 7 -5 Marsh Cinquefoil N Forb POTPECT Potamogeton pectinatus X 4 -5 Sago Pondweed N Forb	POTILLI	Potamogeton illinoensis	R1	6	-5			Illinois Pondweed	N Forb
POTNODO Potamogeton nodosus R1 7 -5 Knotty Pondweed N Forb POTNORV Potentilla norvegica I 0 0 Rough Cinquefoil N Forb POTPALU Potentilla palustris R3 7 -5 Marsh Cinquefoil N Forb POTPECT Potamogeton pectinatus X 4 -5 Sago Pondweed N Forb	POTINCL	Potentilla inclinata	1		5		-1	Downy Cinquefoil	A Forb
POTNORV Potentilla norvegica I 0 0 Rough Cinquefoil N Forb POTPALU Potentilla palustris R3 7 -5 Marsh Cinquefoil N Forb POTPECT Potamogeton pectinatus X 4 -5 Sago Pondweed N Forb	POTNATA	Potamogeton natans	R2	5	-5			Floating Pondweed	N Forb
POTPALU Potentilla palustris R3 7 -5 Marsh Cinquefoil N Forb POTPECT Potamogeton pectinatus X 4 -5 Sago Pondweed N Forb	POTNODO	Potamogeton nodosus	R1	7	-5			Knotty Pondweed	N Forb
POTPECT Potamogeton pectinatus X 4 -5 Sago Pondweed N Forb	POTNORV	Potentilla norvegica	1	0	0			Rough Cinquefoil	N Forb
	POTPALU	Potentilla palustris	R3	7	-5			Marsh Cinquefoil	N Forb
POTPUSI Potamogeton pusillus R1 5 -5 Small Pondweed N Forb	POTPECT	Potamogeton pectinatus	Χ	4	-5			Sago Pondweed	N Forb
	POTPUSI	Potamogeton pusillus	R1	5	-5			Small Pondweed	N Forb

POTRICH	SP CODE	SCI_NAME	MIDD	СС	CW	SRANK	WEED	COM_NAME	PHYSIOG
POTSIMP Potentilla simplex		_			_				
POTZENT Potamogeton strictclosus R1 8 -5 54 Stender Pondweed N Forb	POTRICH	Potamogeton richardsonii	R2	5	-5			,	N Forb
POTZOST Potamogaton zosteriformis R1 5 -5 Flast-stemmed Pondweed N Forb	POTSIMP	Potentilla simplex	Х	3	4			Common Cinquefoil	N Forb
PREALBA Prenanthes alba X 6 3 White-lettuce N Forb PREALTI Prenanthes adissina X 5 3 Tall White-lettuce N Forb PROPALU Proserpinace paiusitis R 4 7 -5 Mermaid-weed N Forb PRUAVID Prusus avium Ir 5 -2 Sweet Cherry A Tree PRUDOME Prunus domestica I 5 -1 Common Plum A Tree PRUPINS Prunus pensylvanica X 4 4 Canada Plum N Tree PRUPINS Prunus pensylvanica X 3 4 Pin Cherry N Tree PRUSERO Prunus persica If 5 -1 Peach A Tree PRUSERO Prunus persica If 5 -1 Peach A Tree PRUSERO Prunus persica If 5 -1 Peach A Tree PRUSERO Prunus persica If 5 -1 Peach	POTSTRI	Potamogeton strictifolius	R1	8	-5	S4		Slender Pondweed	N Forb
PREAIT Prenanthes altissma X 5 3 Tall White-lettuce N Forb PROPALUMER Prouss americana X 6 5 S4 Wild Plum N Tree PRUAWRI Prusus americana X 6 5 S4 Wild Plum N Tree PRUDOME Prunus domestica I 5 -2 Sweet Cherry A Tree PRUPRING Prunus persica I 5 -1 Camada Plum N Tree PRUPENS Prunus persica I 5 -1 Peach A Tree PRUPENS Prunus persica I 5 -1 Peach A Tree PRUSHER Prunus sersicia I 5 -1 Peach A Tree PRUSHER Prunus sersicia I 5 -1 Peach A Tree PRUSHIS Prunus sersicia I 5 -1 Recket N Forb PRUVIGIT Purius verginiana C 2 3 W Hite	POTZOST	Potamogeton zosteriformis	R1	5	-5			Flat-stemmed Pondweed	N Forb
PROPALL Proserpinaca palustris R4	PREALBA	Prenanthes alba	X	6	3			W hite-lettuce	N Forb
PRUAMER Prunus americana X 6 5 S4 Wild Plum N Tree PRUAVUID Prunus admestica I 5 -2 Sweet Cherry A Tree PRUNIGR Prunus domestica I 5 -1 Common Plum A Tree PRUPERS Prunus pensivanica X 3 4 Pin Cherry N Tree PRUSERS Prunus pensivanica X 3 4 Pin Cherry N Tree PRUSERS Prunus pensivanica X 3 4 Pin Cherry N Tree PRUSERS Prunus pensivanica X 3 4 Pin Cherry N Tree PRUSERS Prunus pensivanica X 3 3 Wild Black Cherry N Tree PRUSERS Prunus verginiana C 2 1 Choke Cherry N Shrub PRUVILLE Prunela vulgaris C 0 1 Heal-all A Forb PTEADUP Prendidma aquilimum X 2 3	PREALTI	Prenanthes altissima	Х	5	3			Tall White-lettuce	N Forb
PRUAVIU	PROPALU	Proserpinaca palustris	R4	7	-5			Merm aid-weed	N Forb
PRUDOME Prunus domestica I 5 -1 Common Plum A Tree PRUNICR Prunus pigra X 4 4 Canada Plum N Tree PRUPENS Prunus persica Ir 5 -1 Peach A Tree PRUSERO Prunus virginiana C 3 3 Wild Black Cherry N Shrub PRUVIRG Prunus virginiana C 2 1 Choke Cherry N Shrub PRUVULG Prunel virginiana C 0 -1 Heal-all A Forb PTEANDR Perospora andromedea Rh 9 5 S1S2 Pinedrops N Forb PTEAQUI Perdidum aquilinum X 2 3 Eastern Bracken N Forb PTETRIF Piclea trifoliata Ir 9 2 3 Hop-tree N Shrub PUCDIST Puccinella distatans Ir -5 -1 R Forbead Saltmarsh Grass A Grass PVCTENU Pycnanthemum vingrinianum V<	PRUAMER	Prunus americana	Х	6	5	S4		Wild Plum	N Tree
PRUNIGR Prunus nigra X 4 4 Canada Plum N Tree PRUPENS Prunus persica Ir 5 -1 Peach A Tree PRUPENS Prunus serotina C 3 3 Wild Black Cherry N Tree PRUSERO Prunus verginiana C 2 1 Choke Cherry N Shrub PRUVULG Prunus virginiana C 2 1 Choke Cherry N Shrub PRUVULG Prunelia vulgaris C 0 -1 Heal-all A Forb PTEADD Pieredium aquilinum X 2 3 Eastern Bracken N Forb PTEADI Predium aquilinum X 2 3 Hop-tee N Shrub PUCDIST Puccinella distans Ic -5 -1 Refexad Saltmarch Grass A Grass PUCNUT Puccinella distans Ic -5 -1 Refexad Saltmarch Grass A Grass PUCNUT Puccinella distans Ic -5 -1 <td>PRUAVIU</td> <td>Prunus avium</td> <td>Ir</td> <td></td> <td>5</td> <td></td> <td>-2</td> <td>Sweet Cherry</td> <td>A Tree</td>	PRUAVIU	Prunus avium	Ir		5		-2	Sweet Cherry	A Tree
PRUPERS Prunus pensylvanica X 3 4 Pin Cherry N Tree PRUPERS Prunus persica Ir 5 -1 Peach A Tree PRUSERO Prunus verdina C 3 3 Wild Black Cherry N Tree PRUVIRG Prunus virginiana C 2 1 Choke Cherry N Shrub PRUVILG Prunella vulgaris C 0 -1 Heal-all A Forb PTEANDR Pretorespora andromedea Rh 9 5 S182 Pine-drops N Forb PTEANDR Plecerospora andromedea Rh 9 5 S182 Pine-drops N Forb PTEADUP Picifidum aquilinum X 2 3 Eastern Bracken N Forb PUCNUTT Puccinella distans Ic -5 -1 Refexed Saltmarsh Grass A Grass PUCNUTT Puccinella outtaliana Ir 0 -1 Nutralis Alkali Grass A Grass PUCTRUT Pyrola anarifolia <	PRUDOME	Prunus domestica	ı		5		-1	Common Plum	A Tree
PRUPERS Prunus persica Ir 5 -1 Peach A Tree PRUSERO Prunus verginiana C 3 3 Wild Black Cherry N Tree PRUVIUG Prunus verginiana C 2 1 Choke Cherry N Shrub PRUVIUG Prunella vulgaris C 0 -1 Heal-all A Forb PTEADU Plerdady aquillium X 2 3 Eastern Bracken N Forb PTEADU Ptendidm aquillium X 2 3 Heal-all A Forb PTEADU Ptendidm aquillium X 2 3 Heart Bracken N Forb PTEADU Puccinella distans Ic -5 -1 Reflexed Satmarsh Grass A Grass PUCNITT Puccinella distans Ic -5 -1 Nethera A Grass PUCNITT Puccinella distans Ic -5 -1 Nethera A Grass PUCNITT Puccinella distans Ic -3 -1	PRUNIGR	Prunus nigra	X	4	4			Canada Plum	N Tree
PRUSERO Prunus serotina C 3 3 Wild Black Cherry N Tree PRUVIG Prunus viginiana C 2 1 Choke Cherry N Shrub PRUVIG Prunus viginiana C 0 -1 Heal-all A Forb PTEADIR Presopora andromedea Rh 9 5 S1S2 Pine-drops N Forb PTEADIR Pledes trifoliata Ir 8 2 3 Eastern Bracken N Forb PUCDIST Puccinella distans Ic -5 -1 Reflexed Salmarsh Grass A Grass PUCNUT Puccinella distans Ir 0 -1 Nutall's Alkal Grass A Grass PUCNUT Puccinella nutaliana Ir 0 -1 Nutall's Alkal Grass A Grass PUCNUT Pycinanthemum tenufolium R2 8 0 Mountain-mint N Forb PYCTENU Pycnanthemum tenufolium R2 8 0 Mountain-mint N Forb PYCHASAR <	PRUPENS	Prunus pensylvanica	X	3	4			Pin Cherry	N Tree
PRUVIRG Prunella vulgaria C 2 1 Choke Cherry N Shrub PRUVULG Prunella vulgaria C 0 -1 Heal-all A Forb PTEANDR Plerospora andromedea Rh 9 5 S1S2 Pine-drops N Forb PTEARDR Pleridium aquilinum X 2 3 Eastern Bracken N Forb PTETRIP Ptelea trifoliata Ir 9 2 S3 Hop-tree N Shrub PUCDIST Puccinellia distans Ir -5 -1 Refewed Saltmarsh Grass A Grass PUCNUTT Puccinellia distans Ir 0 -1 Nuttall's Alkaii Grass A Grass PVCVIRG Pycnantmemum virginianum VU 8 4 Virginia Mountain-mint N Forb PYRASAR Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRASAR Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRASAR	PRUPERS	Prunus persica	Ir		5		-1	Peach	A Tree
PRUVULG Prunella vulgaris C 0 -1 Heal-all A Forb PTEANDR Pterospora andromedea Rh 9 5 \$152 Pine-drops N Forb PTEADUI Pteridium aquilinum X 2 3 Eastern Bracken N Fern PTETRIF Ptelea trifoliata Ir 9 2 \$3 Hop-tree N Shrub PUCDIST Puccinellia distans Ic -5 -1 Reflexed Saltmarsh Grass A Grass PUCNUTP Puccinellia nuttalliana Ir 0 -1 Nuttali's Alkaii Grass A Grass PVCTENU Pycnanthemum tenulfolium R2 8 0 Mountain-mint N Forb PYCSURG Pycnanthemum tenulfolium R2 8 0 Mountain-mint N Forb PYRASAR Pyrola americana R2 7 1 R Round-leaved Pyrola N Forb PYRASAR Pyrola americana R2 7 1 R Round-leaved Pyrola N Forb PYREA	PRUSERO	Prunus serotina	С	3	3			Wild Black Cherry	N Tree
PTEANDR Pterospora andromedea Rh 9 5 S1S2 Pine-drops N Forb PTEAQUI Pteridum aquilinum X 2 3 Eastern Bracken N Forb PTETRIF Ptelea trifoliata Ir 9 2 S3 Hop-tree N Shrub PUCDIST Puccinella distans Ic -5 -1 Reflexed Saltmarsh Grass A Grass PUCNUTT Puccinella distans Ir 0 -1 Nuttall's Alkal Grass A Grass PVCTENU Pycnanthemum virginianum VU 8 4 Virginia Mountain-mint N Forb PYCYIRG Pycnanthemum virginianum VU 8 4 Virginia Mountain-mint N Forb PYRAMER Pycla americana R2 7 1 Round-leaved Pyrola N Forb PYRAMER Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYREADM Pyrus communis I 5 -1 Pear A Tree PYREADM	PRUVIRG	Prunus virginiana	С	2	1			Choke Cherry	N Shrub
PTEAQUI Pteridium aquilinum X 2 3 Eastern Bracken N Fern PTETRIF Ptelea trifoliata Ir 9 2 S3 Hop-tree N Shrub PUCDIST Puccinellia distans Ic -5 -1 Reflexed Saltmarsh Grass A Grass PUCNITT Puccinellia nuttallana Ir 0 -1 Nuttall's Alkali Grass A Grass PVCVIRG Pycnanthemum tenuifolam R2 8 0 Mountain-mint N Forb PYRAMER Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRAMER Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRASAR Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRASAR Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRASAR Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRELLI	PRUVULG	Prunella vulgaris	С		0		-1	· · · · · · · · · · · · · · · · · · ·	A Forb
PTEAQUI Pteridium aquilinum X 2 3 Eastern Bracken N Fern PTETRIF Ptelea trifoliata Ir 9 2 S3 Hop-tree N Shrub PUCDIST Puccinellia distans Ir 0 -1 Nellexed Salkmarsh Grass A Grass PUCNUTT Puccinellia nuttaliana Ir 0 -1 Nuttalis Alkait Grass A Grass PYCVIRG Pycnanthemum tenuifolium R2 8 0 Mountain-mint N Forb PYRAMER Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRAMER Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRAMER Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRAMER Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRAMER Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRAMER <	PTEANDR	Pterospora andromedea	Rh	9	5	S1S2		Pine-drops	N Forb
PTETRIF Pelea trifoliata Ir 9 2 S3 Hop-tree N Shrub PUCDIST Puccinellia distans Ic -5 -1 Reflexed Satmarsh Grass A Grass PUCNUTT Puccinellia nuttaliana Ir 0 -1 Nuttali's Alkali Grass A Grass PYCTENU Pycnanthemum tenuifolium R2 8 0 Mountalin-mint N Forb PYRASAR Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRASAR Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRASAR Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRASAR Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRECIM Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRECIM Pyrola americana R2 5 5 Shinleaf N Tree QUEALLB Querc		•	X	2	3			Eastern Bracken	N Fern
PUCNUTT Puccinellia nuttalliana Ir 0 -1 Nuttali's Alkali Grass A Grass PYCTENU Pycnanthemum tenuifolium R2 8 0 Mountain-mint N Forb PYRAMER Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRASAR Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRASAR Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRASAR Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRASAR Pyrola americana R2 8 -1 Pear A Tree PYRASAR Pyrola americana R2 5 -1 Pear A Tree PYRASAR Pyrola americana R3 7 -3 Pink Pyrola N Forb PYRACLI Pyrola americana R3 7 -3 Pink Pyrola N Forb QUEAUBA Pyrola edition M8 4 <td>PTETRIF</td> <td>·</td> <td>Ir</td> <td>9</td> <td>2</td> <td>S3</td> <td></td> <td>Hop-tree</td> <td>N Shrub</td>	PTETRIF	·	Ir	9	2	S3		Hop-tree	N Shrub
PUCNUTT Puccinellia nuttaliana Ir 0 -1 Nuttali's Alkali Grass A Grass PYCTENU Pycnanthemum tenuifolium R2 8 0 Mountain-mint N Forb PYCVIRG Pycnanthemum virginianum VU 8 -4 Virginia Mountain-mint N Forb PYRAMER Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRASAR Pyrola asarifolia R3 7 -3 Pink Pyrola N Forb PYRELLI Pyrola elliptica X 5 -1 Pear A Tree PYRELLI Pyrola elliptica X 5 5 Shinleaf N Forb QUEALBA Quercus alba C 6 3 White Oak N Tree QUEBICO Quercus bicolor X 8 -4 S4 Swamp White Oak N Tree QUERUBR Quercus macrocarpa C 5 1 Bur Oak N Tree QUEVELU Quercus relutina X	PUCDIST	Puccinellia distans	Ic		-5		-1	Reflexed Saltmarsh Grass	A Grass
PYCVIRG Pycnanthemum virginianum VU 8 -4 Virginia Mountain-mint N Forb PYRAMER Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRASAR Pyrola asarifolia R3 7 -3 Pink Pyrola N Forb PYRECHLI Pyrola elliptica X 5 5 Shinleaf N Forb PYRELLI Pyrola elliptica X 5 5 Shinleaf N Forb QUEALBA Quercus alba C 6 3 White Oak N Tree QUEBICO Quercus bicolor X 8 -4 S4 Swamp White Oak N Tree QUERUBR Quercus velutina X 8 -4 S4 Swamp White Oak N Tree QUEVELU Quercus velutina X 8 5 Black Oak N Tree QUEVELU Quercus velutina X 8 5 Black Oak N Tree RANABOR Ranunculus abortivus C		Puccinellia nuttalliana					-1		
PYCVIRG Pycnanthemum virginianum VU 8 -4 Virginia Mountain-mint N Forb PYRAMER Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRASAR Pyrola asarifolia R3 7 -3 Pink Pyrola N Forb PYRECHLI Pyrola elliptica X 5 5 Shinleaf N Forb PYRELLI Pyrola elliptica X 5 5 Shinleaf N Forb QUEALBA Quercus alba C 6 3 White Oak N Tree QUEBICO Quercus bicolor X 8 -4 S4 Swamp White Oak N Tree QUERUBR Quercus velutina X 8 -4 S4 Swamp White Oak N Tree QUEVELU Quercus velutina X 8 5 Black Oak N Tree QUEVELU Quercus velutina X 8 5 Black Oak N Tree RANABOR Ranunculus abortivus C	PYCTENU	Pycnanthemum tenuifolium	R2	8	0			Mountain-mint	N Forb
PYRAMER Pyrola americana R2 7 1 Round-leaved Pyrola N Forb PYRASAR Pyrola asarifolia R3 7 -3 Pink Pyrola N Forb PYRCOMM Pyrus communis I 5 -1 Pear A Tree PYRELLI Pyrola elliptica X 5 5 SShinleaf N Forb QUEALBA Quercus alba C 6 3 White Oak N Tree QUEBICO Quercus bicolor X 8 -4 S4 Swamp White Oak N Tree QUEBICO Quercus macrocapa C 5 1 Bur Oak N Tree QUERUBR Quercus macrocapa C 6 3 Red Oak N Tree QUEVELU Quercus velutina X 8 5 Black Oak N Tree RANABOR Ranunculus abortivus C 2 2 -2 Kidney-leaved Buttercup N Forb RANACRI Ranunculus acris Ic -2 -2 Common Buttercup A Forb RANFAC Ranunculus ficaria Ir -2 1 Burlous Buttercup N Forb RANFLAB Ranunculus ficaria Ir -2 1 Lesser-celandine A Forb RANFLAB Ranunculus ficaria Ir -2 1 Lesser-celandine A Forb RANHISC Ranunculus ficaria R2 5 -5 White Water Crowfoot N Forb RANREC Ranunculus pensylvanicus X 3 -5 Bristly Crowfoot N Forb RANREC Ranunculus recurvatus X 4 -3 Hooke Buttercup N Forb RANREC Ranunculus recurvatus X 4 -3 Hooke Buttercup N Forb RANREC Ranunculus recurvatus X 4 -3 Hooke Buttercup N Forb RANREC Ranunculus recurvatus X 4 -3 Hooke Buttercup N Forb RANREC Ranunculus recurvatus X 4 -3 Hooke Buttercup N Forb RANREC Ranunculus recurvatus X 4 -3 Hooke Buttercup N Forb RANREC Ranunculus recurvatus X 4 -3 Hooke Buttercup N Forb RANREC Ranunculus recurvatus X 4 -3 Hooke Buttercup N Forb RANREC Ranunculus recurvatus X 4 -3 Hooke Buttercup N Forb RANREC Ranunculus recurvatus X 4 -3 Hooke Buttercup N Forb RANREC Ranunculus recurvatus X 2 -5 Gray-headed Coneflower N Forb RANRED RANBOR Ranunculus receivatus X 7 -5 Gray-headed Coneflower N Forb RANRED RANBOR R		·	VU	8	-4			Virginia Mountain-mint	N Forb
PYRASAR Pyrola asarifolia R3 7 -3 Pink Pyrola N Forb PYRCOMM Pyrus communis I 5 -1 Pear A Tree PYRELLI Pyrola elliptica X 5 5 Shinleaf N Forb QUEALBA Quercus alba C 6 3 White Oak N Tree QUEBICO Quercus bicolor X 8 -4 S4 Swamp White Oak N Tree QUEMACR Quercus bicolor X 8 -4 S4 Swamp White Oak N Tree QUEMACR Quercus rubra C 5 1 Bur Oak N Tree QUERUBR Quercus velutina X 8 5 Black Oak N Tree QUEVELU Quercus velutina X 8 5 Black Oak N Tree RANACRI Ranunculus abortivus C 2 -2 Common Buttercup N Forb RANELB Ranunculus fascicularis R2 9 3	PYRAMER	,	R2	7	1			<u> </u>	N Forb
PYRELLI Pyrola elliptica X 5 5 5 Shinleaf N Forb QUEALBA Quercus alba C 6 3 White Oak N Tree QUEBICO Quercus bicolor X 8 -4 S4 Swamp White Oak N Tree QUEMACR Quercus macrocarpa C 5 1 Bur Oak N Tree QUERUBR Quercus rubra C 6 3 Red Oak N Tree QUEVELU Quercus velutina X 8 5 Black Oak N Tree QUEVELU Quercus velutina X 8 5 Black Oak N Tree RANABOR Ranunculus abortivus C 2 -2 Common Buttercup N Forb RANACRI Ranunculus acris Ic -2 -2 Common Buttercup A Forb RANBULB Ranunculus ficaria Ir -2 1 Bulbous Buttercup N Forb RANFICA Ranunculus ficaria Ir -2 -1 Lesser-celandine A Forb RANFICA Ranunculus fibellaris VU 7 -5 Yellow W ater Buttercup N Forb RANICOR Ranunculus hispidus C 5 -5 Swamp Buttercup N Forb RANICOR Ranunculus Ingirostris R2 5 -5 White Water Crowfoot N Forb RANPENS Ranunculus pensylvanicus X 3 -5 Bristly Crowfoot N Forb RANRECU Ranunculus recurvatus X 4 -3 Hooked Buttercup N Forb RANREPE Ranunculus repens Ih -1 Creeping Buttercup N Forb RANREPE Ranunculus repens Ih -1 Creeping Buttercup N Forb RANREPE Ranunculus repens In -1 Creeping Buttercup N Forb RANREPE Ranunculus repens RANGEL Ranunculus repens RANGEL Ranunculus R2 9 5 S2 Gray-headed Coneflower N Forb RANGEL Ranunculus R2 9 5 S2 Gray-headed Coneflower N Forb RANGEL Ranunculus Ratibida pinnata R2 9 5 S2 Gray-headed Coneflower N Forb RHAALNI Rhamnus alnifolia X 7 7 -5 Alder-leaved Buckthorn A Tree	PYRASAR	Pyrola asarifolia	R3	7	-3			Pink Pyrola	N Forb
QUEALBA Quercus alba C 6 3 White Oak NTree QUEBICO Quercus bicolor X 8 -4 S4 Swamp White Oak NTree QUEMACR Quercus macrocarpa C 5 1 Bur Oak NTree QUERUBR Quercus rubra C 6 3 Red Oak NTree QUEVELU Quercus velutina X 8 5 Black Oak NTree RANABOR Ranunculus abortivus C 2 -2 Kidney-leaved Buttercup N Forb RANACRI Ranunculus acris Ic -2 -2 Common Buttercup A Forb RANBUB Ranunculus bulbosus Ih -3 -1 Bulbous Buttercup N Forb RANFASC Ranunculus ficaria Ir -2 -1 Lesser-celandine A Forb RANFLAB Ranunculus ficaria Ir -2 -1 Lesser-celandine A Forb RANHISC Ranunculus fispidus C 5 -5 Swamp Buttercup N Forb RANLONG Ranunculus longirostris R2 5 -5 White Water Crowfoot N Forb RANRECU Ranunculus recurvatus X 4 -3 Hooked Buttercup N Forb RANRECU Ranunculus recurvatus X 4 -3 Hooked Buttercup N Forb RANRECE Ranunculus repens Ih -1 Creeping Buttercup N Forb RANROM Ranunculus releates X 2 -5 Cursed Crowfoot N Forb RANROM Ranunculus releates X 2 -5 Cursed Crowfoot N Forb RANROM Ranunculus releates X 2 -5 Cursed Crowfoot N Forb RANROM Ranunculus releates X 2 -5 Cursed Crowfoot N Forb RANROM Ranunculus releates X 2 -5 Cursed Crowfoot N Forb RANROM Ranunculus releates X 2 -5 Cursed Crowfoot N Forb RANROM Ranunculus releates X 2 -5 Cursed Crowfoot N Forb RANROM Ranunculus releates X 2 -5 Cursed Crowfoot N Forb RANROM Ranunculus releates X 2 -5 Cursed Crowfoot N Forb RANROM Ranunculus releates X 2 -5 Cursed Crowfoot N Forb RANROM Ranunculus releates X 2 -5 Cursed Crowfoot N Forb RANROM Ranunculus releates X 2 -5 Cursed Crowfoot N Forb RANROM Ranunculus releates X 2 -5 Cursed Crowfoot N Forb RANROM Ranunculus releates X 2 -5 Cursed Crowfoot N Forb RANROM Ranunculus releates X 2 -5 Cursed Crowfoot N Forb RANROM Ranunculus RANGREA RANGRE	PYRCOMM	Pyrus communis	ı		5		-1	Pear	A Tree
QUEBICO Quercus bicolor X 8 -4 S4 Swamp White Oak NTree QUEMACR Quercus macrocarpa C 5 1 Bur Oak NTree QUERUBR Quercus rubra C 6 3 Red Oak NTree QUEVELU Quercus velutina X 8 5 Black Oak NTree QUEVELU Quercus velutina X 8 5 Black Oak NTree RANABOR Ranunculus abortivus C 2 -2 Kidney-leaved Buttercup NForb RANACRI Ranunculus acris Ic -2 -2 Common Buttercup A Forb RANBULB Ranunculus bulbosus Ih -3 -1 Bulbous Buttercup NForb RANFICA Ranunculus fascicularis R2 9 3 S4 Early Buttercup NForb RANFICA Ranunculus ficaria Ir -2 -1 Lesser-celandine A Forb RANFICA Ranunculus fibellaris VU 7 -5 Yellow W ater Buttercup N Forb RANLONG Ranunculus Ingirostris R2 5 -5 White W ater Crowfoot NForb RANREOU Ranunculus pensylvanicus X 3 -5 Bristly Crowfoot NForb RANRECU Ranunculus recurvatus X 4 -3 Hooked Buttercup N Forb RANRED RANREOU Ranunculus rhomboideus R3 10 5 S4 Prairie Buttercup N Forb RANROM Ranunculus sceleratus X 2 -5 Cursed Crowfoot NForb RANROM Ranunculus sceleratus X 2 -5 Cursed Crowfoot NForb RANROM Ranunculus sceleratus X 2 -5 Cursed Crowfoot NForb RANROM Ranunculus sceleratus X 7 -5 Alder-leaved Buckthorn N Shrub RHACATH Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	PYRELLI	Pyrola elliptica	Χ	5	5			Shinleaf	N Forb
QUEMACR Quercus macrocarpa C 5 1 Bur Oak N Tree QUERUBR Quercus rubra C 6 3 Red Oak N Tree QUEVELU Quercus velutina X 8 5 Black Oak N Tree RANABOR Ranunculus abortivus C 2 -2 Kidney-leaved Buttercup N Forb RANACRI Ranunculus acris Ic -2 -2 Common Buttercup A Forb RANBULB Ranunculus bulbosus Ih -3 -1 Bulbous Buttercup N Forb RANFASC Ranunculus fascicularis R2 9 3 S4 Early Buttercup N Forb RANFICA Ranunculus fidaria Ir -2 -1 Lesser-celandine A Forb RANFICA Ranunculus hispidus C 5 -5 Swamp Buttercup N Forb RANHISC Ranunculus longirostris R2 5 -5 White Water Crowfoot N Forb RANPENS Ranunculus pensylvanicus X 3 -5 Bristly Crowfoot N Forb RANRECU Ranunculus recurvatus X 4 -3 Hooked Buttercup N Forb RANRECU Ranunculus repens Ih -1 -1 Creeping Buttercup N Forb RANRECE Ranunculus recurvatus X 2 -5 Cursed Crowfoot N Forb RANRECE Ranunculus sceleratus X 2 -5 Cursed Crowfoot N Forb RANSCEL Ranunculus sceleratus X 7 -5 Alder-leaved Buckthorn N Shrub RHACATH Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	QUEALBA	Quercus alba	С	6	3			W hite Oak	N Tree
QUEMACR Quercus macrocarpa C 5 1 Bur Oak N Tree QUERUBR Quercus rubra C 6 3 Red Oak N Tree QUEVELU Quercus velutina X 8 5 Black Oak N Tree RANABOR Ranunculus abortivus C 2 -2 Kidney-leaved Buttercup N Forb RANACRI Ranunculus acris Ic -2 -2 Common Buttercup A Forb RANBULB Ranunculus bulbosus Ih -3 -1 Bulbous Buttercup N Forb RANFASC Ranunculus fascicularis R2 9 3 S4 Early Buttercup N Forb RANFICA Ranunculus fidabellaris VU 7 -5 Yellow W ater Buttercup N Forb RANHISC Ranunculus bingidus C 5 -5 Swamp Buttercup N Forb RANLONG Ranunculus longirostris R2 5 -5 White W ater Crowfoot N Forb RANPENS Ranunculus recurvatus X 4 -3 Hooked Buttercup N Forb RANRECU Ranunculus repens Ih -1 Creeping Buttercup N Forb RANRECE Ranunculus recurvatus X 2 -5 Cursed Crowfoot N Forb RANSCEL Ranunculus sceleratus X 2 -5 Cursed Crowfoot N Forb RANSCEL Ranunculus sceleratus X 7 -5 Alder-leaved Buckthorn N Shrub RHACATH Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	QUEBICO	Quercus bicolor	X	8	-4	S4		Swamp White Oak	N Tree
QUEVELU Quercus velutina X 8 5 Black Oak N Tree RANABOR Ranunculus abortivus C 2 -2 Kidney-leaved Buttercup N Forb RANACRI Ranunculus acris Ic -2 -2 Common Buttercup A Forb RANBULB Ranunculus bulbosus Ih -3 -1 Bulbous Buttercup N Forb RANFASC Ranunculus fascicularis R2 9 3 S4 Early Buttercup N Forb RANFICA Ranunculus ficaria Ir -2 -1 Lesser-celandine A Forb RANFICA Ranunculus fidabellaris VU 7 -5 Yellow Water Buttercup N Forb RANHISC Ranunculus hispidus C 5 -5 Swamp Buttercup N Forb RANLONG Ranunculus longirostris R2 5 -5 White Water Crowfoot N Forb RANPENS Ranunculus pensylvanicus X 3 -5 Bristly Crowfoot N Forb RANRECU Ranunculus recurvatus X 4 -3 Hooked Buttercup N Forb RANREPE Ranunculus repens Ih -1 Creeping Buttercup N Forb RANREPE Ranunculus rhomboideus R3 10 5 S4 Prairie Buttercup N Forb RANSCEL Ranunculus sceleratus X 2 -5 Cursed Crowfoot N Forb RATPINN Ratibida pinnata R2 9 5 S2 Gray-headed Coneflower N Forb RHAALNI Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	QUEMACR	Quercus macrocarpa	С	5	1			Bur Oak	N Tree
RANABOR Ranunculus abortivus C 2 -2 Kidney-leaved Buttercup N Forb RANACRI Ranunculus acris Ic -2 -2 Common Buttercup A Forb RANBULB Ranunculus bulbosus Ih -3 -1 Bulbous Buttercup A Forb RANFASC Ranunculus fascicularis R2 9 3 S4 Early Buttercup N Forb RANFICA Ranunculus ficaria Ir -2 -1 Lesser-celandine A Forb RANFLAB Ranunculus flabellaris VU 7 -5 Yellow Water Buttercup N Forb RANHISC Ranunculus hispidus C 5 -5 Swamp Buttercup N Forb RANLONG Ranunculus longirostris R2 5 -5 White Water Crowfoot N Forb RANPENS Ranunculus pensylvanicus X 3 -5 Bristly Crowfoot N Forb RANRECU Ranunculus recurvatus X 4 -3 Hooked Buttercup N Forb RANREPE Ranunculus rhomboideus R3 10 5 S4 Prairie Buttercup N Forb RANSCEL Ranunculus sceleratus X 2 -5 Cursed Crowfoot N Forb RATPINN Ratibida pinnata R2 9 5 S2 Gray-headed Coneflower N Forb RHAALNI Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	QUERUBR	Quercus rubra	С	6	3			Red Oak	N Tree
RANACRI Ranunculus acris Ic -2 -2 Common Buttercup A Forb RANBULB Ranunculus bulbosus Ih -3 -1 Bulbous Buttercup A Forb RANFASC Ranunculus fascicularis R2 9 3 S4 Early Buttercup N Forb RANFICA Ranunculus ficaria Ir -2 -1 Lesser-celandine A Forb RANFLAB Ranunculus flabellaris VU 7 -5 Yellow W ater Buttercup N Forb RANHISC Ranunculus hispidus C 5 -5 Swamp Buttercup N Forb RANLONG Ranunculus longirostris R2 5 -5 White W ater Crowfoot N Forb RANPENS Ranunculus pensylvanicus X 3 -5 Bristly Crowfoot N Forb RANRECU Ranunculus recurvatus X 4 -3 Hooked Buttercup N Forb RANREPE Ranunculus repens Ih -1 Creeping Buttercup A Forb RANREPE Ranunculus rhomboideus R3 10 5 S4 Prairie Buttercup N Forb RANSCEL Ranunculus sceleratus X 2 -5 Cursed Crowfoot N Forb RATPINN Ratibida pinnata R2 9 5 S2 Gray-headed Coneflower N Forb RHAALNI Rhamnus alnifolia X 7 -5 Alder-leaved Buckthorn N Shrub RHACATH Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	QUEVELU	Quercus velutina	Х	8	5			Black Oak	N Tree
RANBULB Ranunculus bulbosus Ih -3 -1 Bulbous Buttercup A Forb RANFASC Ranunculus fascicularis R2 9 3 S4 Early Buttercup N Forb RANFICA Ranunculus ficaria Ir -2 -1 Lesser-celandine A Forb RANFICA Ranunculus flabellaris VU 7 -5 Yellow W ater Buttercup N Forb RANHISC Ranunculus hispidus C 5 -5 Swamp Buttercup N Forb RANLONG Ranunculus longirostris R2 5 -5 White W ater Crowfoot N Forb RANPENS Ranunculus pensylvanicus X 3 -5 Bristly Crowfoot N Forb RANRECU Ranunculus recurvatus X 4 -3 Hooked Buttercup N Forb RANREPE Ranunculus repens Ih -1 Creeping Buttercup A Forb RANRHOM Ranunculus rhomboideus R3 10 5 S4 Prairie Buttercup N Forb RANSCEL Ranunculus sceleratus X 2 -5 Cursed Crowfoot N Forb RATPINN Ratibida pinnata R2 9 5 S2 Gray-headed Coneflower N Forb RHAALNI Rhamnus alnifolia X 7 -5 Alder-leaved Buckthorn N Shrub RHACATH Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	RANABOR	Ranunculus abortivus	С	2	-2			Kidney-leaved Buttercup	N Forb
RANFASC Ranunculus fascicularis R2 9 3 S4 Early Buttercup N Forb RANFICA Ranunculus ficaria Ir -2 -1 Lesser-celandine A Forb RANFLAB Ranunculus flabellaris VU 7 -5 Yellow Water Buttercup N Forb RANHISC Ranunculus hispidus C 5 -5 Swamp Buttercup N Forb RANLONG Ranunculus longirostris R2 5 -5 White Water Crowfoot N Forb RANPENS Ranunculus pensylvanicus X 3 -5 Bristly Crowfoot N Forb RANRECU Ranunculus recurvatus X 4 -3 Hooked Buttercup N Forb RANREPE Ranunculus repens Ih -1 Creeping Buttercup A Forb RANRHOM Ranunculus rhomboideus R3 10 5 S4 Prairie Buttercup N Forb RANSCEL Ranunculus sceleratus X 2 -5 Cursed Crowfoot N Forb RATPINN Ratibida pinnata R2 9 5 S2 Gray-headed Coneflower N Forb RHAALNI Rhamnus alnifolia X 7 -5 Alder-leaved Buckthorn N Shrub RHACATH Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	RANACRI	Ranunculus acris	Ic		-2		-2	Common Buttercup	A Forb
RANFICA Ranunculus ficaria Ir -2 -1 Lesser-celandine A Forb RANFLAB Ranunculus flabellaris VU 7 -5 Yellow Water Buttercup N Forb RANHISC Ranunculus hispidus C 5 -5 Swamp Buttercup N Forb RANLONG Ranunculus longirostris R2 5 -5 White Water Crowfoot N Forb RANPENS Ranunculus pensylvanicus X 3 -5 Bristly Crowfoot N Forb RANRECU Ranunculus recurvatus X 4 -3 Hooked Buttercup N Forb RANREPE Ranunculus repens Ih -1 Creeping Buttercup A Forb RANRHOM Ranunculus rhomboideus R3 10 5 S4 Prairie Buttercup N Forb RANSCEL Ranunculus sceleratus X 2 -5 Cursed Crowfoot N Forb RATPINN Ratibida pinnata R2 9 5 S2 Gray-headed Coneflower N Forb RHAALNI Rhamnus alnifolia X 7 -5 Alder-leaved Buckthorn N Shrub RHACATH Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	RANBULB	Ranunculus bulbosus	lh		-3		-1	Bulbous Buttercup	A Forb
RANFLAB Ranunculus flabellaris VU 7 -5 Yellow Water Buttercup N Forb RANHISC Ranunculus hispidus C 5 -5 Swamp Buttercup N Forb RANLONG Ranunculus longirostris R2 5 -5 White Water Crowfoot N Forb RANPENS Ranunculus pensylvanicus X 3 -5 Bristly Crowfoot N Forb RANRECU Ranunculus recurvatus X 4 -3 Hooked Buttercup N Forb RANREPE Ranunculus repens Ih -1 Creeping Buttercup A Forb RANRHOM Ranunculus rhomboideus R3 10 5 S4 Prairie Buttercup N Forb RANSCEL Ranunculus sceleratus X 2 -5 Cursed Crowfoot N Forb RATPINN Ratibida pinnata R2 9 5 S2 Gray-headed Coneflower N Forb RHAALNI Rhamnus alnifolia X 7 -5 Alder-leaved Buckthorn N Shrub RHACATH Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	RANFASC	Ranunculus fascicularis	R2	9	3	S4		Early Buttercup	N Forb
RANFLAB Ranunculus flabellaris VU 7 -5 Yellow Water Buttercup N Forb RANHISC Ranunculus hispidus C 5 -5 Swamp Buttercup N Forb RANLONG Ranunculus longirostris R2 5 -5 White Water Crowfoot N Forb RANPENS Ranunculus pensylvanicus X 3 -5 Bristly Crowfoot N Forb RANRECU Ranunculus recurvatus X 4 -3 Hooked Buttercup N Forb RANREPE Ranunculus repens Ih -1 Creeping Buttercup A Forb RANRHOM Ranunculus rhomboideus R3 10 5 S4 Prairie Buttercup N Forb RANSCEL Ranunculus sceleratus X 2 -5 Cursed Crowfoot N Forb RATPINN Ratibida pinnata R2 9 5 S2 Gray-headed Coneflower N Forb RHAALNI Rhamnus alnifolia X 7 -5 Alder-leaved Buckthorn N Shrub RHACATH Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	RANFICA	Ranunculus ficaria	Ir		-2		-1	<u> </u>	A Forb
RANLONG Ranunculus longirostris R2 5 -5 White Water Crowfoot N Forb RANPENS Ranunculus pensylvanicus X 3 -5 Bristly Crowfoot N Forb RANRECU Ranunculus recurvatus X 4 -3 Hooked Buttercup N Forb RANREPE Ranunculus repens Ih -1 Creeping Buttercup A Forb RANRHOM Ranunculus rhomboideus R3 10 5 S4 Prairie Buttercup N Forb RANSCEL Ranunculus sceleratus X 2 -5 Cursed Crowfoot N Forb RATPINN Ratibida pinnata R2 9 5 S2 Gray-headed Coneflower N Forb RHAALNI Rhamnus alnifolia X 7 -5 Alder-leaved Buckthorn N Shrub RHACATH Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree		Ranunculus flabellaris	VU	7	-5			Yellow Water Buttercup	
RANPENS Ranunculus pensylvanicus X 3 -5 Bristly Crowfoot N Forb RANRECU Ranunculus recurvatus X 4 -3 Hooked Buttercup N Forb RANREPE Ranunculus repens Ih -1 Creeping Buttercup A Forb RANRHOM Ranunculus rhomboideus R3 10 5 S4 Prairie Buttercup N Forb RANSCEL Ranunculus sceleratus X 2 -5 Cursed Crowfoot N Forb RATPINN Ratibida pinnata R2 9 5 S2 Gray-headed Coneflower N Forb RHAALNI Rhamnus alnifolia X 7 -5 Alder-leaved Buckthorn N Shrub RHACATH Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	RANHISC	Ranunculus hispidus	С	5	-5			Swamp Buttercup	N Forb
RANRECU Ranunculus recurvatus X 4 -3 Hooked Buttercup N Forb RANREPE Ranunculus repens Ih -1 Creeping Buttercup A Forb RANRHOM Ranunculus rhomboideus R3 10 5 S4 Prairie Buttercup N Forb RANSCEL Ranunculus sceleratus X 2 -5 Cursed Crowfoot N Forb RATPINN Ratibida pinnata R2 9 5 S2 Gray-headed Coneflower N Forb RHAALNI Rhamnus alnifolia X 7 -5 Alder-leaved Buckthorn N Shrub RHACATH Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	RANLONG	Ranunculus longirostris	R2	5	-5			W hite W ater Crowfoot	N Forb
RANREPE Ranunculus repens Ih -1 Creeping Buttercup A Forb RANRHOM Ranunculus rhomboideus R3 10 5 S4 Prairie Buttercup N Forb RANSCEL Ranunculus sceleratus X 2 -5 Cursed Crowfoot N Forb RATPINN Ratibida pinnata R2 9 5 S2 Gray-headed Coneflower N Forb RHAALNI Rhamnus alnifolia X 7 -5 Alder-leaved Buckthorn N Shrub RHACATH Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	RANPENS	Ranunculus pensylvanicus	Χ	3	-5			Bristly Crowfoot	N Forb
RANRHOM Ranunculus rhomboideus R3 10 5 S4 Prairie Buttercup N Forb RANSCEL Ranunculus sceleratus X 2 -5 Cursed Crowfoot N Forb RATPINN Ratibida pinnata R2 9 5 S2 Gray-headed Coneflower N Forb RHAALNI Rhamnus alnifolia X 7 -5 Alder-leaved Buckthorn N Shrub RHACATH Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	RANRECU	Ranunculus recurvatus	X	4	-3			Hooked Buttercup	N Forb
RANSCEL Ranunculus sceleratus X 2 -5 Cursed Crowfoot N Forb RATPINN Ratibida pinnata R2 9 5 S2 Gray-headed Coneflower N Forb RHAALNI Rhamnus alnifolia X 7 -5 Alder-leaved Buckthorn N Shrub RHACATH Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	RANREPE	Ranunculus repens	lh		-1		-1	Creeping Buttercup	A Forb
RATPINN Ratibida pinnata R2 9 5 S2 Gray-headed Coneflower N Forb RHAALNI Rhamnus alnifolia X 7 -5 Alder-leaved Buckthorn N Shrub RHACATH Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	RANRHOM	Ranunculus rhomboideus	R3	10	5	S4		Prairie Buttercup	N Forb
RHAALNI Rhamnus alnifolia X 7 -5 Alder-leaved Buckthorn N Shrub RHACATH Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	RANSCEL	Ranunculus sceleratus	Χ	2	-5			Cursed Crowfoot	N Forb
RHACATH Rhamnus cathartica Ic 3 -3 Common Buckthorn A Tree	RATPINN	Ratibida pinnata	R2	9	5	S2		Gray-headed Coneflower	N Forb
	RHAALNI	Rhamnus alnifolia	Χ	7	-5			Alder-leaved Buckthorn	N Shrub
DUATRAN DI ()	RHACATH	Rhamnus cathartica	Ic		3		-3	Common Buckthorn	A Tree
KHAFKAN Knamnus Trangula Iu -1 -3 Glossy Buckthorn A Shrub	RHAFRAN	Rhamnus frangula	lu		-1		-3	Glossy Buckthorn	A Shrub
RHERHAB Rheum rhabarbarum I 5 -1 Rhubarb A Forb	RHERHAB	Rheum rhabarbarum	I		5		-1	Rhubarb	A Forb

RHURODER New soronation	SP_CODE	SCI_NAME	MIDD	СС	CW	SRANK	WEED	COM_NAME	PHYSIOG
RHUGADE Rhus glatra	RHUAROM	Rhus aromatica	R1	8	5			Fragrant Sumac	N Shrub
RHURANE Rhus radicans C 0 0 Poison-ivy N Vine	RHUCOPA	Rhus copallinum	R1	7	5	S3		Shining Sumac	N Shrub
RHURANE Rhus radicans X 5 -1 Climbing Poison-by RHUSPRN Rhus yenix R3 8 -5 Poison Sumac NTree RHUVERN Rhus venix R1 2 5 Climbing Poison-by RHUVERN Rhus venix R1 2 5 Climbing Poison-by RHUVERN Rhus venix R1 2 5 Climbing Poison-by RHUVERN Rhus yenix RHUVERN Rhus venix R1 2 5 Climbing Poison-by RHUSPUL Rhus venix RHUSPUL Rhus venix R1 2 5 Climbing Poison-by RHUSPUL Rhus venix RHUSPUL Rhus venix R1 2 5 Climbing Poison-by RHUSPUL Rhus venix RHUSPU	RHUGLAB	Rhus glabra	VU	7	5			Smooth Sumac	N Tree
RHUTYPH Rhus veprina C	RHURADI	Rhus radicans	С	0	0			Poison-ivy	N Vine
RHUVERN Rhus vernix RHUVERN Rhus yenixinata RHUS RHUS RHUS yenixinata RHUS RHUS RHUS RHUS RESIDENCE RHYCALB RHYALBA RHUS RHUS repulsionata RHYALBA RHUS RHUS RHUS RHUS RHUS RHUS RHUS RHUS	RHURANE	Rhus radicans	X	5	-1			Climbing Poison-ivy	N Vine
RHUXPUL Rhus x pulvinate	RHUTYPH	Rhus typhina	С	1	5			Staghorn Sumac	N Tree
RHYALBA Rhynchospora alba	RHUVERN	Rhus vernix	R3	8	-5			Poison Sumac	N Shrub
RHYALBA Rhynchospora dable R2 10 -5 White Beak-rush N Sedge RHYCAPI Rhynchospora capillacea R1 10 -5 Hair-like Beak-rush N Sedge RHBAMER Ribes americanum C 4 - 3 Wild Black Currant N Shrub RHBCYNO Ribes cynosbat C 4 - 5 Prickly Gooseberry N Shrub RHBCYNO Ribes index Miles and Rhamer C 4 - 5 Prickly Gooseberry N Shrub RHBHIRT Ribes hirdelium X 6 - 3 Swamp Gooseberry N Shrub RHBHIRT Ribes hirdelium I	RHUXPUL	Rhus x pulvinata	R1	2	5			(Rhus glabra X R. typhina)	N Tree
RHYGAP Rhynchospora capillacea R1 10 -5 Hair-like Beak-rush N Sedge	RHYALBA	·	R2	10	-5			White Beak-rush	N Sedge
RIBCYNO Ribes (Probabati) C 4 5 Prickly Gooseberry N. Shrub RIBHIRT Ribes (Probability) Ribes (Probability) Ribes (Probability) N. Shrub RIBODOR Ribes odoratum Ir 5 -1 Garden Red Currant A. Shrub RIBODOR Ribes rubrum Ir 5 -2 Garden Red Currant A. Shrub RIBTRIS Ribes triste X 6 -5 Swamp Red Currant N. Shrub ROSPSEU Robinia pseudo-acacia Ic 4 -3 Black Locust A. Tree ROSACIC Rosa acicularis R.1 7 3 Prickly Wild Rose N. Shrub ROSALOR Rosa adardina R.1 7 3 Prickly Wild Rose N. Shrub ROSALOR Rosa adardina R.1 -4 -3 Black Locust A. Tree ROSALOR Rosa adardina R.1 7 3 Prickly Mild Rose N. Shrub ROSALOR Rosa adardina R.1 -5	RHYCAPI	Rhynchospora capillacea	R1	10	-5			Hair-like Beak-rush	N Sedge
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RUMALTI Rumex altissimus R1 8 -2 Pale Dock N Forb RUMLONG Rumex longifolius Ir 0 -1 House Dock A Forb RUMOBTU Rumex obtusifolius I -3 -1 Bitter Dock A Forb RUMORBI Rumex orbiculatus X 6 -5 Great Water Dock N Forb RUMSANG Rumex sanguineus Ir -3 -1 Dock A Forb RUMVERT Rumex verticillatus VU 7 -5 Water Dock N Forb SAGCUNE Sagittaria cuneata R1 7 -5 Arrowhead N Forb SAGITA. Sagittaria sp. C 4 -5 ARROWHEAD SPECIES (UNSPECIFIED) N Forb SAGLATI Sagittaria latifolia C 4 -5 Common Arrowhead N Forb SAGPROC Sagina procumbens Ir -3 -1 Pearlwort A Forb SALALBA Salix alba I -3 -2 White Willow N Tree	RUDTRIL	Rudbeckia triloba	Ir		1		-1	Thin-leaved Coneflower	A Forb
RUMLONG Rumex longifolius Ir 0 -1 House Dock A Forb RUMOBTU Rumex obtusifolius I -3 -1 Bitter Dock A Forb RUMORBI Rumex orbiculatus X 6 -5 Great Water Dock N Forb RUMSANG Rumex sanguineus Ir -3 -1 Dock A Forb RUMVERT Rumex verticillatus VU 7 -5 Water Dock N Forb SAGCUNE Sagittaria cuneata R1 7 -5 Arrowhead N Forb SAGITA. Sagittaria sp. C 4 -5 ARROWHEAD SPECIES (UNSPECIFIED) N Forb SAGLATI Sagittaria latifolia C 4 -5 Common Arrowhead N Forb SAGPROC Sagina procumbens Ir -3 -1 Pearlwort A Forb SALALBA Salix alba I -3 -2 White Willow N Tree	RUMACET	Rumex acetosella	Ic		0		-2	Sheep Sorrel	A Forb
RUMOBTU Rumex obtisifolius I -3 -1 Bitter Dock A Forb RUMORBI Rumex orbiculatus X 6 -5 Great Water Dock N Forb RUMSANG Rumex sanguineus Ir -3 -1 Dock A Forb RUMVERT Rumex verticillatus VU 7 -5 Water Dock N Forb SAGCUNE Sagittaria cuneata R1 7 -5 Arrowhead N Forb SAGITA. Sagittaria sp. C 4 -5 ARROWHEAD SPECIES (UNSPECIFIED) N Forb SAGLATI Sagittaria latifolia C 4 -5 Common Arrowhead N Forb SAGPROC Sagina procumbens Ir -3 -1 Pearlwort A Forb SALALBA Salix alba I -3 -2 White Willow N Tree	RUMALTI	Rumex altissimus	R1	8	-2			Pale Dock	N Forb
RUMORBI Rumex orbiculatus X 6 -5 Great Water Dock N Forb RUMSANG Rumex sanguineus Ir -3 -1 Dock A Forb RUMVERT Rumex verticillatus VU 7 -5 Water Dock N Forb SAGCUNE Sagittaria cuneata R1 7 -5 Arrowhead N Forb SAGITA. Sagittaria sp. C 4 -5 ARROWHEAD SPECIES (UNSPECIFIED) N Forb SAGLATI Sagittaria latifolia C 4 -5 Common Arrowhead N Forb SAGPROC Sagina procumbens Ir -3 -1 Pearlwort A Forb SALALBA Salix alba I -3 -2 White Willow A Tree SALAMYG Salix amygdaloides X 6 -3 Peach-leaved Willow N Tree	RUMLONG	Rumex longifolius	Ir		0		-1	House Dock	A Forb
RUMSANG Rumex sanguineus Ir -3 -1 Dock A Forb RUMVERT Rumex verticillatus VU 7 -5 Water Dock N Forb SAGCUNE Sagittaria cuneata R1 7 -5 Arrowhead N Forb SAGITA. Sagittaria sp. C 4 -5 ARROWHEAD SPECIES (UNSPECIFIED) N Forb SAGLATI Sagittaria latifolia C 4 -5 Common Arrowhead N Forb SAGPROC Sagina procumbens Ir -3 -1 Pearlwort A Forb SALALBA Salix alba I -3 -2 White Willow A Tree SALAMYG Salix amygdaloides X 6 -3 Peach-leaved Willow N Tree	RUMOBTU	Rumex obtusifolius	ı		-3		-1	Bitter Dock	A Forb
RUMVERT Rumex verticillatus VU 7 -5 Water Dock N Forb SAGCUNE Sagittaria cuneata R1 7 -5 Arrowhead N Forb SAGITA. Sagittaria sp. C 4 -5 ARROWHEAD SPECIES (UNSPECIFIED) N Forb SAGLATI Sagittaria latifolia C 4 -5 Common Arrowhead N Forb SAGPROC Sagina procumbens Ir -3 -1 Pearlwort A Forb SALALBA Salix alba I -3 -2 White Willow N Tree SALAMYG Salix amygdaloides X 6 -3 Peach-leaved Willow N Tree	RUMORBI	Rumex orbiculatus	Χ	6	-5			Great Water Dock	N Forb
SAGCUNE Sagittaria cuneata R1 7 -5 Arrowhead N Forb SAGITA. Sagittaria sp. C 4 -5 ARROWHEAD SPECIES (UNSPECIFIED) N Forb SAGLATI Sagittaria latifolia C 4 -5 Common Arrowhead N Forb SAGPROC Sagina procumbens Ir -3 -1 Pearlwort A Forb SALALBA Salix alba I -3 -2 W hite W illow N Tree SALAMYG Salix amygdaloides X 6 -3 Peach-leaved W illow N Tree	RUMSANG	Rumex sanguineus	lr		-3		-1	Dock	A Forb
SAGITA. Sagittaria sp. C 4 -5 ARROWHEAD SPECIES (UNSPECIFIED) N Forb SAGLATI Sagittaria latifolia C 4 -5 Common Arrowhead N Forb SAGPROC Sagina procumbens Ir -3 -1 Pearlwort A Forb SALALBA Salix alba I -3 -2 White Willow A Tree SALAMYG Salix amygdaloides X 6 -3 Peach-leaved Willow N Tree	RUMVERT	Rumex verticillatus	VU	7	-5			W ater Dock	N Forb
SAGLATI Sagittaria latifolia C 4 -5 Common Arrowhead N Forb SAGPROC Sagina procumbens Ir -3 -1 Pearlwort A Forb SALALBA Salix alba I -3 -2 W hite W illow A Tree SALAMYG Salix amygdaloides X 6 -3 Peach-leaved W illow N Tree	SAGCUNE	Sagittaria cuneata	R1	7	-5			Arrowhead	N Forb
SAGPROC Sagina procumbens Ir -3 -1 Pearlwort A Forb SALALBA Salix alba I -3 -2 W hite W illow A Tree SALAMYG Salix amygdaloides X 6 -3 Peach-leaved W illow N Tree	SAGITA.	Sagittaria sp.	С	4	-5			ARROWHEAD SPECIES (UNSPECIFIED)	N Forb
SALALBA Salix alba I -3 -2 White Willow A Tree SALAMYG Salix amygdaloides X 6 -3 Peach-leaved Willow N Tree	SAGLATI	Sagittaria latifolia	С	4	-5			Common Arrowhead	N Forb
SALAMYG Salix amygdaloides X 6 -3 Peach-leaved Willow N Tree	SAGPROC	Sagina procumbens	Ir		-3		-1	Pearlwort	A Forb
	SALALBA	Salix alba	I		-3		-2	White Willow	A Tree
SALBEBB Salix bebbiana X 4 -4 Bebb's Willow N Shrub	SALAMYG	Salix amygdaloides	Χ	6	-3			Peach-leaved Willow	N Tree
	SALBEBB	Salix bebbiana	X	4	-4			Bebb's Willow	N Shrub

SP CODE	SCI_NAME	MIDD	CC	CW	SRANK	WEED	COM_NAME	PHYSIOG
SALCAND	Salix candida	R1	10	-5	O.C.	***	Hoary Willow	N Shrub
SALCINE	Salix cinerea	lr		5		-1	Gray Willow	A Shrub
SALCOLL	Salsola collina	lr		5		-1	Russian-thistle	A Forb
	Salix cordata	R1	9	-1			Heart-leaved Willow	N Shrub
SALDISC	Salix discolor	Χ	3	-3			Pussy Willow	N Shrub
SALERIO	Salix eriocephala	Χ	4	-3			Heart-leaved Willow	N Shrub
SALEXIG	Salix exigua	C	3	-5			Sandbar W illow	N Shrub
SALFRAG	Salix fragilis	ı		-1		-3	Crack W illow	A Tree
SALHUMI	Salix humilis	R3	7	3			Upland W illow	N Shrub
SALKALI	Sals ola kali	1		3		-1	Russian-thistle	A Forb
SALLUCI	Salix lucida	X	5	-4		•	Shining Willow	N Shrub
SALMYRI	Salix myricoides	R1	10	-3			Blue-leaved Willow	N Shrub
SALNIGR	Salix nigra	X	6	-5			Black Willow	N Tree
SALPEDI	Salix pedicellaris	R1	9	-5			Bog Willow	N Shrub
SALPENT	Salix pentandra	lr	Э	5		-1	Bay-leaved Willow	A Tree
SALPETI	Salix petiolaris	X	3	-4		- 1	Slender Willow	N Shrub
SALPURP	Salix purpurea	1	3	-3		-2	Basket Willow	A Shrub
SALPYRI	Salix pyrifolia	R1	10	-4		-2	Balsam W illow	N Shrub
	1 7	VU						N Shrub
SALSERM			6	-5		0	Autumn W illow	
SALXRUB	Salix x rubens	lr V	_	-4		-3	(S. alba X S. fragilis)	A Tree
	Sambucus canadensis	X	5	-2			Common Elder	N Shrub
	Sambucus racemosa	X	5	2			Red-berried Elder	N Shrub
SAMVALE	Samolus valerandi	VU	8	-5			Water Pimpernel	N Forb
	Sanicula canadensis	R4	7 5	2			Canada Snakeroot Bloodroot	N Forb
	Sanguinaria canadensis Sanicula canadensis	X Rh	7	2	SH			N Forb
SANMARI	Sanicula marilandica	X	5	3	оп		Long-styled Canada Snakeroot Black Snakeroot	N Forb
SANMINO		^ I	3	0		-1	Garden Burnet	A Forb
	Sanicula odorata	X	6	-1		-1	Yellow Snakeroot	N Forb
SANTRIF	Sanicula trifoliata	X	7	5	S5		Large-fruited Snakeroot	N Forb
SAPOFFI	Saponaria officinalis	1	,	3	55	-3	Bouncing Bet	A Forb
	Sarracenia purpurea	R4	10	-5			Pitcher-plant	N Forb
SASALBI	Sassafras albidum	X	6	3	S4		Sassafras	N Tree
	Saururus cernuus	VU	8	-5			Lizard's -tail	N Forb
SAXVIRG	Saxifraga virginiens is	R2	6	1			Early Saxifrage	N Forb
SCHPALU		Rh	10	-5			Bog-bean	N Forb
	Schizachne purpurascens	Χ	6	2			Purple Melic Grass	N Grass
	Schizachne purpurascens	Χ	6	2			Hairy False Melic Grass	N Grass
SCHSCOP	Schizachyrium scoparium	Χ	7	3			Little Bluestem	N Grass
SCIACUT	Scirpus acutus	R3	6	-5			Hard-stemmed Bulrush	N Sedge
SCIATRO	Scirpus atrovirens	С	3	-5			Dark Green Bulrush	N Sedge
SCIATRO	Scirpus atrovirens	С	3	-5			Dark Green Bulrush	N Sedge
SCICYPE	Scirpus cyperinus	С	4	-5			W ool-grass	N Sedge
SCIFLUV	Scirpus fluviatilis	R1	7	-5			Bulrush	N Sedge
SCIMICR	Scirpus microcarpus	R3	4	-5			Red-sheathed Bulrush	N Sedge
SCIPEDI	Scirpus pedicellatus	R1	8	-5			Pedicellate Wool-grass	N Sedge
SCIPEND	Scirpus pendulus	С	3	-5			Nodding Bulrush	N Sedge
SCIPUNG	Scirpus pungens	U	6	-5			Threesquare	N Sedge
SCISMIT	Scirpus smithii	R1	10	-5	S2		Smith's Club-rush	N Sedge
SCIVALI	Scirpus validus	С	5	-5			Soft-stem Bulrush	N Sedge
SCLANNU	Scleranthus annuus	I		3		-1	Knawel	A Forb

SP CODE	SCI NAME	MIDD	CC	CW	SRANK	WEED	COM_NAME	PHYSIOG
SCLTRIG	Scleria triglomerata	Rh	10	0	S1		Tall Nut-rush	N Sedge
SCRLANC	Scrophularia lanceolata	R1	7	2			Lance-leaved Figwort	N Forb
SCRMARI	Scrophularia marilandica	Х	7	4	S4		Carpenter's-square	N Forb
SCUGALE	Scutellaria galericulata	Χ	6	-5			Common Skullcap	N Forb
SCULATE	-	Х	5	-5			Mad-dog Skullcap	N Forb
SCUPARV	Scutellaria parvula var. parvula	R1	9	0			LEONARD'S SMALL SKULLCAP	N Forb
SECCERE	Secale cereale	T		5		-1	Rye	A Grass
SEDACRE	Sedum acre	1		5		-3	Mossy Stonecrop	A Forb
SEDSPUR	Sedum spurium	Ir		5		-1	False Stonecrop	A Forb
SEDTELE	Sedum telephium	Ir		5		-1	Live-forever	A Forb
SELAPOD	Selaginella apoda	Х	7	-4			Northern Meadow Spikemoss	N Fern
SELRUPE	Selaginella rupestris	R1	8	5			Rock Spikemoss	N Fern
SENAURE	Senecio aureus	Х	7	-3			Golden Ragwort	N Forb
SENPAUP	Senecio pauperculus	VU	7	-1			Balsam Ragwort	N Forb
SENVISC	Senecio viscosus	Ir		5		-1	Sticky Ragwort	A Forb
SENVULG	Senecio vulgaris	1		5		-1	Common Groundsel	A Forb
SETFABE	Setaria faberi	Ic		2		-1	Giant Foxtail	A Grass
SETPUMI	Setaria pumila	1		0		-1	Yellow Foxtail	A Grass
SETVERT	Setaria verticillata (L.) P. Beauv.	ı		0		-1	Bristly Foxtail	A Grass
SETVIRI	Setaria viridis	1		5		-1	Green Foxtail	A Grass
SHECANA	Shepherdia canadensis	R2	7	5			Soapberry	N Shrub
SICANGU	Sicyos angulatus	X	5	-2			Bur Cucumber	N Vine
SILANTI	Silene antirrhina	R4	3	5			Sleepy Catchfly	N Forb
SILDICH	Silene dichotoma	lh		5		-1	Forking Catchfly	A Forb
SILLATI	Silene latifolia	ı		5		-2	W hite Cockle	A Forb
SILNOCT	Silene noctiflora	1		5		-1	Night-flowering Catchfly	A Forb
SILPERF	Silphium perfoliatum	R1	9	-2	S2		Cup-plant	N Forb
SINARVE	Sinapis arvensis	1				-1	Charlock	A Forb
SISALTI	Sisymbrium altissimum	I		3		-1	Tumble Mustard	A Forb
SISANGU	Sisyrinchium angustifolium	R3	6	-2	S4		Narrow-leaved Blue-eyed Grass	N Forb
SISMONT	Sisyrinchium montanum	Х	4	-1			Little Blue-eyed Grass	N Forb
SISMUCR	Sisyrinchium mucronatum	R4	10	-2			Blue-eyed Grass	N Forb
SISOFFI	Sisymbrium officinale	I		5		-1	Hedge Mustard	A Forb
SIUSUAV	Sium suave	С	4	-5			W ater-parsnip	N Forb
SMIECIR	Smilax ecirrhata	R1	6	5			Carrion-flower	N Forb
SMIHERB	Smilax herbacea	X	5	0			Carrion-flower	N Forb
SMIHISP	Smilax hispida	X	6	0			Bristly Greenbrier	N Vine
SMILASI	Smilax lasioneura	X	5	5			Carrion-flower	N Vine
SOLALTI	Solidago altissima	U	1	3			Late Goldenrod	N Forb
SOLARGU	Solidago arguta	R1	8	3	S2		Sharp-leaved Goldenrod	N Forb
SOLBICO	Solidago bicolor	R1	8	5			Silverrod	N Forb
SOLCAES	Solidago caesia	Χ	5	3			Blue-stem Goldenrod	N Forb
SOLCANA	Solidago canadensis	Χ	1	3			Can ada Goldenrod	N Forb
SOLCARO	Solanum carolinense	1		4		-1	Horse Nettle	A Forb
SOLDULC	Solanum dulcamara	lc		0		-2	Climbing Nightshade	A Vine
SOLFLEX	Solidago flexicaulis	Χ	6	3			Zig-zag Goldenrod	N Forb
SOLGIGA	Solidago gigantea	Χ	4	-3			Tall Goldenrod	N Forb
SOLHISP	Solidago hispida	R1	7	5			Hairy Goldenrod	N Forb
SOLJUNC	Solidago juncea	Χ	3	5			Early Goldenrod	N Forb
SOLNEMO	Solidago nemoralis	Χ	2	5			Gray Goldenrod	N Forb
SOLOHIO	Solidago ohioensis	R1	10	-5	S4		Ohio Goldenrod	N Forb

SP CODE	SCI_NAME	MIDD	CC	CW	SRANK	WFFD	COM_NAME	PHYSIOG
SOLPATU	Solidago patula	Х	8	-5	S4	WLLD	Rough-leaved Goldenrod	N Forb
SOLPTAR	Solidago ptarmicoides	R1	9	5			Upland W hite Aster	N Forb
SOLPTYC	Solanum ptycanthum	X		0		-1	Eastern Black Nightshade	A Forb
SOLRIDD	Solidago riddellii	R3	10	-5	S2		Riddell's Goldenrod	N Forb
SOLRIGI	Solidago rigida	U	9	4	S3		Stiff-leaved Goldenrod	N Forb
	Solidago rugosa	X	4	-1			Rough Goldenrod	N Forb
	Solidago squarrosa	Rh	10	5			Stout Goldenrod	N Forb
SOLTUBE	Solanum tuberosum	1	10	5		-1	Potato	A Forb
SOLULIG	Solidago uliginosa	R1	9	-5		•	Bog Goldenrod	N Forb
SOLULMI	Solidago ulmifolia	Rh	9	5	(S1)		Elm-leaved Goldenrod	N Forb
	Son chus arvensis	1		1	(01)	-1	Perennial Sow-thistle	A Forb
	Sonchus asper	i		0		-1	Spiny-leaved Sow-thistle	A Forb
	Sonchus oleraceus	i		3		-1	Annual Sow-thistle	A Forb
	Sorbus aucuparia	i		5		-2	European Mountain-ash	A Tree
SORBICO	Sorghum bicolor	Ir		5		-1	Sorghum	A Grass
	Sorghum halepense	1		3		-1	Johnson Grass	A Grass
	Sorghastrum nutans	X	8	2		•	Indian Grass	N Grass
	Sorbaria sorbifolia	Ir	0	5		-1	False Spiraea	A Shrub
	Sparganium americanum	R2	6	-5		-1	American Bur-reed	N Forb
	Sparganium androcladum	R1	6	-5	S2		Branching Bur-reed	N Forb
	Sparganium emersum	VU	5	-5	52		Green-fruited Bur-reed	N Forb
SPAEURY	1 0	X	3	-5			Giant Bur-reed	N Forb
SPANATA	Sparganium natans	R1	8	-5			Small Bur-reed	N Forb
SPAPECT	· •	X	7	-4			Tall Cord Grass	N Grass
SPEMARI	Spergularia marina	lr .	•	-5	S1	-1	Sea-spurrey	A Forb
SPEMEDI	Spergularia media	lr		3	01	-1	Sand-spurrey	A Forb
SPHINTE	Sphenopholis intermedia	X	6	0		-1	Slender Wedge Grass	N Grass
SPIALBA	Spiraea alba	X	3	-4			Meadows weet	N Shrub
SPICERN	Spiranthes cernua	X	5	-2			Nodding Ladies'-tresses	N Forb
SPIJAPO	Spiraea japonica	lr	3	5		-1	Japanese Spiraea	A Shrub
SPILUCI	Spiranthes lucida	" R1	9	-4		-1	Shining Ladies'-tresses	N Forb
SPIMAGN	Spiranthes magnicamporum	R1	8	-3	S2		Great Plains Ladies'-tresses	N Forb
SPIOCHR	Spiranthes ochroleuca	VU	9	3	S2		Yellow Nodding Ladies'-tresses	N Forb
SPIPOLY	Spirodela polyrhiza	VU	4	-5	32		Greater Duckweed	N Forb
SPIROMA	Spiranthes romanzoffiana	R1	9	-3 -4			Hooded Ladies'-tresses	N Forb
SPOASPE	Sporobolus asper	U	2	5	S1		Rough Dropseed	N Grass
	Sporobolus cryptandrus	X	2	4	S5		Sand Dropseed	N Grass
	Sporobolus reglectus	X	1	5	S5		Overlooked Dropseed	N Grass
		X	1	5	33		Ensheathed Dropseed	N Grass
SPOVAGI SPOVAGI	Sporobolus vaginiflorus Sporobolus vaginiflorus	X	1	5			Drops eed	N Grass
STAHISP	Stachys hispida	R2	7	-4			Rough Hedge-nettle	N Forb
STAPALU	Stachys hispida Stachys palustris	R2 Ι	,	-4 -5		-1	Marsh Hedge-nettle	A Forb
STATRIF	• •		7			-1	Bladdernut	
	Staphylea trifolia Stellaria graminea	X	,	5		-2	Grass-leaved Stitchwort	N Shrub A Forb
STELONG	Stellaria grammea Stellaria longifolia	X	2	-4		-2	Long-leaved Chickweed	N Forb
	Stellaria media		_	3		-1	Common Chickweed	A Forb
STEMEDI		lc D1	10		63	-1		
STISPAR	Stipa s partea	R1	10	5	S3		Needle Grass	N Grass
STRROSE	Streptopus roseus	VU	7	0	0.1		Rose Twisted-stalk	N Forb
STYDIPH	Stylophorum diphyllum	R2	9	5	S1	4	Wood Poppy	N Forb
SUACALC	Suaeda calceoliformis	lr v	7	-3	S2	-1	Sea-blite	A Forb
SYMALBU	Symphoricarpos albus	X	7	4			Snowberry	N Shrub

SP CODE	SCI_NAME	MIDD	СС	CW	SRANK	WEED	COM_NAME	PHYSIOG
SYMFOET	Symplocarpus foetidus	С	7	-5			Skunk-cabbage	N Forb
SYMOFFI	Symphytum officinale	1		5		-1	Common Comfrey	A Forb
SYMORBI	Symphoricarpos orbiculatus	Ir		3		-1	Coralberry	A Shrub
SYRVULG	Syringa vulgaris	1		5		-2	Common Lilac	A Shrub
TAEINTE	Taenidia integerrima	VU	9	5			Yellow-pimpernel	N Forb
TANVULG	Tanacetum vulgare	1		5		-1	Tansy	A Forb
TARERYT	Taraxacum erythrospermum	Ir		5		-1	Red-seeded Dandelion	A Forb
TAROFFI	Taraxacum officinale	Ic		3		-2	Common Dandelion	A Forb
TAR PALU	Taraxacum palustre	lvu		-5		-1	Marsh Dandelion	A Forb
TAXCANA	Taxus canadensis	Χ	7	3			American Yew	N Shrub
TEUCANA	Teucrium canadense	R3	6	-2			WOOD SAGE	N Forb
THADASY	Thalictrum dasycarpum	R1	8	-2			Purple Meadow-rue	N Forb
THADIOI	Thalictrum dioicum	Х	5	2			Early Meadow-rue	N Forb
THAPUBE	Thalictrum pubescens	Χ	5	-2			Tall Meadow-rue	N Forb
THENOVE	Thelypteris noveboracensis	Х	7	-1			New York Fern	N Fern
THEPALU	Thelypteris palustris	X	5	-4			Marsh Fern	N Fern
THLARVE	Thlaspi arvense	lc		5		-1	Penny Cress	A Forb
THUOCCI	Thuja occidentalis	X	4	-3			W hite Cedar	N Tree
THYPULE	Thymus pulegioides	Ir		5		-1	Wild Thyme	A Forb
TIACORD	Tiarella cordifolia	X	6	1			Foamflower	N Forb
TILAMER	Tilia americana	С	4	3			Basswood	N Tree
TORJAPO	Torilis japonica	Ir		5		-3	Hedge Parsley	A Forb
TRADUBI	Tragopogon dubius	ı		5		-1	Goat's-beard	A Forb
TRAPORR	Tragopogon porrifolius	Ir		5		-1	Common Salsify	A Forb
TRAPRAT	Tragopogon pratensis	ı		5		-1	Yellow Goat's-beard	A Forb
TRIAEST	Triticum aestivum	Ir		5		-1	Common W heat	A Grass
TRIAURA	Triosteum aurantiacum	Х	7	5			Horse-gentian	N Forb
TRIAURE	Trifolium aureum	1		5		-1	Hop Clover	A Forb
TRIBORE	Trientalis borealis	Х	6	-1			Starflower	N Forb
TRICAMP	Trifolium campestre	1		5		-1	Low Hop Clover	A Forb
TRIEREC	Trillium erectum	X	6	1			Red Trillium	N Forb
TRIFLEX	Trillium flexipes	R1	10	1	S1		Bent Trillium	N Forb
TRIFRAS	Triadenum fraseri	VU	7	-5			Marsh St. John's-wort	N Forb
TRIGRAN	Trillium grandiflorum	X	5	5			W hite Trillium	N Forb
TRIHYBR	Trifolium hybridum	1		1		-1	Alsike Clover	A Forb
TRIMARI	Triglochin maritimum	Ir	8	-5			Arrow-grass	N Forb
TRIPRAT	Trifolium pratense	1		2		-2	Red Clover	A Forb
TRIREPE	Trifolium repens	1		2		-1	White Clover	A Forb
TSUCANA	Tsuga canadensis	Χ	7	3	_		Eastern Hemlock	N Tree
TUSFARF	Tussilago farfara	Ic		3		-2	Coltsfoot	A Forb
TYPANGU	Typha angustifolia	Χ	3	-5	_		Narrow-leaved Cattail	N Forb
TYPLATI	Typha latifolia	X	3	-5			Common Cattail	N Forb
TYPXGLA	Typha x glauca	R1	3	-5			(T. angustifolia x T. latifolia)	N Forb
ULMAMER	Ulmus americana	Χ	3	-2			American Elm	N T ree
ULMPUMI	Ulmus pumila	Ir		5		-1	Siberian Elm	A Tree
ULMRUBR	Ulmus rubra	Χ	6	0			Slippery Elm	N Tree
ULMTHOM	Ulmus thomasii	VU	6	-1			Rock Elm	N T ree
URTDIDI	URTICA DIOICA SSP. DIOICA	Ir		-1		-1	NETTLE	A Forb
URTDIOG	Urtica dioica	С	2	-1			American Stinging Nettle	N Forb
URTUREN	Urtica urens	lh		5		-1	Dwarf Nettle	A Forb
UTRCORN	Utricularia cornuta	R1	9	-5			Horned Bladderwort	N Forb

UTRYULG Utricularis vulgaris VU 4 4 5 Common Bladderwort N Forb UVUSEAS Uvularia sessificia R2 7 1 Mortybulis N Forb VACANSU Vaccinium angustificium X 8 3 Lowbush Blueberry N Shrub VACCORY Vaccinium corprobaum X 8 3 Highbush Blueberry N Shrub VACCORY Vaccinium morprobaum X 8 3 Highbush Blueberry N Shrub VACCORY Vaccinium morprobaum X 8 3 Highbush Blueberry N Shrub VACCORY Vaccinium morprobaum X 8 3 Highbush Blueberry N Shrub VACOXYO Vaccinium morprobaum R1 10 5 Small Cranberry N Shrub VACOXYO Vaccinium morprobaum R1 10 5 Small Cranberry N Shrub VALODIC Valeria and adulis R1 10 5 Small Cranberry N Shrub VALEDUL Valeriana adulis R1 0 5 1 Helicitope A Forb	SP CODE	SCI_NAME	MIDD	СС	CW	SRANK	WEED	COM_NAME	PHYSIOG
ACADES Uvacinium angustifolium R2 7 1 Merrybells N Forb									N Forb
VACADRIV Vaccinium angustrotum X 6 3 Lowbush Blueberry N Shrub VACORY Vaccinium corymbosum X 8 -3 Highbush Blueberry N Shrub VACOMACR Vaccinium myarocarpon R3 10 -6 Large Cranberry N Shrub VACOMACR Vaccinium myarocarpon R1 0 -5 Small Cranberry N Shrub VACORAL Vaccinium myarocarpon R1 0 5 Small Cranberry N Shrub VALCPLU Valcinium oxygocorpon R1 0 5 5 4 Dryland Blueberry N Shrub VALCPLU Valcinium oxygocorpon R1 0 5 5 4 Dryland Blueberry N Forb VALCPLU Valcinium oxygocorpon R1 0 5 5 4 Dryland Blueberry N Forb VALCPLU Valcinium oxygocorpon R1 0 5 5 4 Dryland Blueberry N Forb VALCPLY Valcinium oxygocorpon R1 0 5 1 Descender VALCPLY Valcinium oxygocorpon 1 </td <td>UVUGRAN</td> <td>Uvularia grandiflora</td> <td>X</td> <td>6</td> <td>5</td> <td></td> <td></td> <td>Large-flowered Bellwort</td> <td>N Forb</td>	UVUGRAN	Uvularia grandiflora	X	6	5			Large-flowered Bellwort	N Forb
VACADRU Vaccinium angustelum X 6 3 Lowboah Blueberry N Shrub VACCORY Vaccinium orymbosum X 8 3 Highbush Blueberry N Shrub VACMARY Vaccinium mymbodos R4 7 2 Valvetidal Blueberry N Shrub VACMARY Vaccinium mymbodos R4 7 2 Valvetidal Blueberry N Shrub VACPAL Vaccinium mymbodos R1 9 5 Small Cranberry N Shrub VACPAL Vaccinium mymbodos R1 9 5 4 Dryland Blueberry N Shrub VACPAL Vaccinium mymbodos R6 6 5 Tapegrass N Forb VALEDUL Valerian additina R 10 5 S1 Edible Valerian N Forb VALEDUL Valeriana additina Ir 2 1 1 1 6 7 VERAMER Veronica americana X 6 5 1 Belbie Valerian N Forb VERRAME Veronica americana X 6 5 1 <th< td=""><td>UVUSESS</td><td>Uvularia sessilifolia</td><td>R2</td><td>7</td><td>1</td><td></td><td></td><td>Merrybells</td><td>N Forb</td></th<>	UVUSESS	Uvularia sessilifolia	R2	7	1			Merrybells	N Forb
VACAMPRT Vaccinium macrocarpon R3 10 6 Large Craherry N Shrub	VACANGU	Vaccinium angustifolium	X	6	3			Lowbush Blueberry	N Shrub
VACHT Vaccinium mytrillodes R4 7 -2 Velvet-lad Blueberry N Shrub VACOXYC Vaccinium mytrillodes R1 1 5 Small Cranberry N Shrub VACPALL Vaccinium galidum R1 9 5 SA Dryland Blueberry N Forb VALAME Valisinane drisinane R2 6 -6 Tape-grass N Forb VALOUL Valisinane drisinane R 0 -5 ST American Brookime N Forb VERANAO Vernica americana X 6 -5 American Brookime N Forb VERARAO Vernica americana X 6 -5 American Brookime N Forb VERRAD Vernica americana X 6 -5 American Brookime A Forb VERRAD Vernica americana X 6 -5 -1 Bertowice VERRECC Vernica americana X 2 3 Prostrate Vervain A Forb VERCHAN Verni	VACCORY	Vaccinium corymbosum	Х	8	-3			Highbush Blueberry	N Shrub
VACAPALL Vaccinium pallidum	VACMACR	Vaccinium macrocarpon	R3	10	-5			Large Cranberry	N Shrub
VACAPALL Vaccinium pallidum R1 9 5 S4 Dryland Blueberry N Shrub VALMMER Valisheria americana R2 6 -5 Tape-grass N Forb VALEDUL Valeriana edulis Rh 10 -5 S1 Edible Valerian N Forb VALOFI Valeriana edicinalis Ir 2 -1 Heliotrope A Forb VERANAR Verorica ancidena X 6 -5 American Brookime N Forb VERANAG Verorica ancidena X 6 -5 -1 Mornican Brookime A Forb VERRAGO Verorica ancidena X 6 -5 -1 Mornican Brookime A Forb VERRECO Verorica de Correcta de Cardina X 6 -1 Brookime A Forb VERRECO Verbana bracteata R 2 3 Prostrate Vervain A Forb VERRELA Verbana bracteata R 2 3 Prostrate Vervain A Forb <t< td=""><td>VACMYRT</td><td>Vaccinium myrtilloides</td><td>R4</td><td>7</td><td>-2</td><td></td><td></td><td>Velvet-leaf Blueberry</td><td>N Shrub</td></t<>	VACMYRT	Vaccinium myrtilloides	R4	7	-2			Velvet-leaf Blueberry	N Shrub
VALAMER Valisneria americana R2 6 -5 Tape-grass N Forb VALEDUL Valeriana addulis Rh 10 -5 S1 Ediblo Valerian N Forb VALEDUL Valeriana addicinalis Ir 2 -1 Heliotrope A Forb VERANAR Veronica americana X 6 -5 American Brookime N Forb VERANAR Veronica anvensis I -5 -1 Com Speedwell A Forb VERBLAT Verbascum bilattaria Ic -5 -1 Brookime A Forb VERBLAT Verbascum bilattaria Ic -4 -1 Moht Mullein A Forb VERCHAM Verbascum bilattaria Ic -5 -1 Bird's-eye Speedwell A Forb VERCHAM Verbascum bilattaria Ic -5 -1 Bird's-eye Speedwell A Forb VERPHAST Verbascum bilattaria Ic -5 -1 Bird's-eye Speedwell A Forb VERPERIL Verbasa britana C 4 -4 Bilu Vervain N	VACOXYC	Vaccinium oxycoccus	R1	10	-5			Small Cranberry	N Shrub
VALEDUL Valeriana edulis Rh 10 -5 S1 Edible Valerian N Forb VALOFFI Valeriana officinalis Ir 2 -1 Heliotrope A Forb VERAMRE Veronica anegalis-aquatica I -5 -1 Water Speedwell A Forb VERANZE Veronica anegalis-aquatica I -5 -1 Mare Speedwell A Forb VERBEC Veronica decobunga ir -5 -1 Brooklime A Forb VERBLAT Verbascum blattaria Ic 4 -1 Moth Mullein A Forb VERBLAT Verbena blasteata R 2 3 Prostrate Vervain N Forb VERFILL Veronica filitormis Ir 5 -1 Bird's-eye Speedwell A Forb VERILONG Veronica pariana Ir 5 -1 Bird's-eye Speedwell A Forb VERDET Veronica paregrina Ir 5 -1 Long-leaved Speedwell A Forb VERPERS	VACPALL	Vaccinium pallidum	R1	9	5	S4		Dryland Blueberry	N Shrub
VALOFFI Valeriana officinalis Ir 2 -1 Heliotrope A Forb VERAMAR Veronica americana X 6 -5 American Brooklime N Forb VERANARY Poronica angalis-aquatica I -5 -1 Water Speedwell A Forb VERBLAT Verbascum bistatria Ic -5 -1 Morbidine A Forb VERBLAT Verbascum bistatria Ic 4 -1 Moth Mullein A Forb VERBRAC Verbena bractesta R 2 3 Prostrate Vervain N Forb VERCHAM Veronica filiformis Ir 5 -1 Bird's-eye Speedwell A Forb VERLING Veronica alifolinalis Ir 5 -1 Siender Speedwell A Forb VEROFET Veronica pergrina V 0 -4 Pursiane Speedwell A Forb VERPERS Veronica pergrina V 0 -4 Pursiane Speedwell N Forb VERPERS Veronica pergrina V	VALAMER	Vallisneria americana	R2	6	-5			Tape-grass	N Forb
VERAMER Veronica americana X 6 -5 American Brooklime N Forb VERANAG Veronica anagalis-aquatica I -5 -1 Water Speedwell A Forb VERBECC Veronica arenesis I 5 -1 Corn Speedwell A Forb VERBLAT Verbascum blattaria Ic 4 -1 Moth Mulloin A Forb VERBRAC Verbeab baracteata R 2 3 Prostrate Vervain N Forb VERCHAM Veronica chamaedrys Ir 5 -1 Birds-eye Speedwell A Forb VERCHAM Veronica chamaedrys Ir 5 -1 Birds-eye Speedwell A Forb VERFLIL Veronica flisformis Ir 5 -1 Birds-eye Speedwell A Forb VERDLIV Veronica portical pregratia Ir 5 -1 Long-leaved Speedwell A Forb VEROFER Veronica peregrina VU 0 -4 Pursian Speedwell A Forb VERPSER V	VALEDUL	Valeriana edulis	Rh	10	-5	S1		Edible Valerian	N Forb
VERANAG Veronica arrensis I 5 -1 Water Speedwell A Forb VERARVE Veronica arrensis I 5 -1 Corn Speedwell A Forb VERBECC Veronica becabunga Ir -5 -1 Brookime A Forb VERBRAC Verbeacum blattaria Ic 4 -1 Moth Mullein A Forb VERCHAM Veronica chamaedrys Ir 5 -1 Bird's-eye Speedwell A Forb VERCHAM Veronica Inifformis Ir 5 -1 Bird's-eye Speedwell A Forb VERFERL Veronica Inifformis Ir 5 -1 Bird's-eye Speedwell A Forb VERFERL Veronica Inifformis Ir 5 -1 Long-leaved Speedwell A Forb VERFORT Veronica Inifformis Ir 5 -2 Common Speedwell A Forb VERPERS Veronica persica Ir 5 -1 Persian Speedwell A Forb VERPERS Veronica persica	VALOFFI	Valeriana officinalis	Ir		2		-1	Heliotrope	A Forb
VERARVE Veronica arvensis I 5 -1 Corn Speedwell A Forb VERBECC Veronica beccabunga Ir -5 -1 Brooklime A Forb VERBLAT Verbascum blataria Ic 4 -1 Moth Mullein A Forb VERBLAT Verbena bracteata R 2 3 Prostrate Vervain N Forb VERCHAM Veronica difficin Ir 5 -1 Bird's-eye Speedwell A Forb VERHAST Verbena hastata C 4 -4 Blue Vervain N Forb VERNEUN Veronica olongifolia Ir 5 -1 Long-leaved Speedwell A Forb VEROFFI Veronica peregrima VU 0 -4 Pursians Speedwell A Forb VERPERE Veronica peregrima VU 0 -4 Pursians Speedwell N Forb VERSCUT Veronica scuellata R2 7 -5 Marsh Speedwell N Forb VERSTRI Verbona stricta R4 <td>VERAMER</td> <td>Veronica americana</td> <td>Х</td> <td>6</td> <td>-5</td> <td></td> <td></td> <td>American Brooklime</td> <td>N Forb</td>	VERAMER	Veronica americana	Х	6	-5			American Brooklime	N Forb
VERBECC Veronica beccabunga Ir -5 -1 Brooklime A Forb VERBLAT Verbascum blattaria Ic 4 -1 Moth Mullein A Forb VERBRAC Verbena bratcetata R 2 3 Prostrate Vervain N Forb VERCHAM Veronica chamaedrys Ir 5 -1 Birds-eye Speedwell A Forb VERHAST Verbena hastata C 4 -4 Blue Vervain N Forb VERLONG Veronica ologifolia Ir 5 -1 Long-leaved Speedwell A Forb VEROFET Veronica ologifolia Ir 5 -1 Long-leaved Speedwell A Forb VERPERS Veronica ologifolia Ir 5 -1 Persian Speedwell A Forb VERPERS Veronica politia Ir 5 -1 Persian Speedwell A Forb VERSCRP Veronica serpilifolia Ir 5 -1 Speedwell N Forb VERSTRY Veronica serpilifolia	VERANAG	Veronica anagallis-aquatica	1		-5		-1	Water Speedwell	A Forb
VERBLAT Verbascum blattaria Ic 4 -1 Moth Mullein A Forb VERBRAC Verbena bracteata R 2 3 Prostrate Vervarin N No VERCHAM Veronica characteria R 2 3 Prostrate Vervarin N Forb VERHAST Veronica lififormis Ir 5 -1 Slender Speedwell A Forb VERNAST Verbena hastata C 4 -4 Blue Vervain N Forb VERNOFFI Veronica officinalis I 5 -1 Long-leaved Speedwell A Forb VERPERE Veronica peregrina VU 0 -4 Purslane Speedwell A Forb VERPERS Veronica polita Ir 5 -1 Persland Speedwell A Forb VERSERP Veronica scutellata R2 7 -5 Marsh Speedwell N Forb VERSERP Veronica scutellata R2 7 -5 Marsh Speedwell N Forb VERS	VERARVE	Veronica arvensis	ı		5		-1	Corn Speedwell	A Forb
VERBRAC Verbena bracteata R 2 3 Prostrate Vervain N Forb VERCHAM Veronica chamaedrys Ir 5 -1 Bird's-eye Speedwell A Forb VERFILL Veronica (Infirmis) Ir 5 -1 Blue Vervain N Forb VERHAST Verbena hastata C 4 -4 Blue Vervain N Forb VERDERI Veronica olongifolia Ir 5 -1 Long-leaved Speedwell A Forb VERDERE Veronica pergirina VU 0 -4 Pursiane Speedwell A Forb VERPERE Veronica pergirina VU 0 -4 Pursiane Speedwell A Forb VERPOLI Veronica polita Ir 5 -1 Persian Speedwell A Forb VERSTER Veronica scutellata R2 7 -5 Marsh Speedwell N Forb VERSTER Veronica serpylifolia I 0 -3 Thym-leaved Speedwell N Forb VERSTER Veronica sericum tas	VERBECC	Veronica beccabunga	Ir		-5		-1	Brooklime	A Forb
VERCHAM Veronica chamaedrys Ir 5 -1 Bird's-eye Speedwell A Forb VERFILI Veronica liliformis Ir 5 -1 Slender Speedwell A Forb VERLANS Verbena hastata C 4 -4 Blue Vervain N Forb VERLONG Veronica officinalis Ir 5 -1 Long-leaved Speedwell A Forb VERDERS Veronica officinalis I 5 -2 Common Speedwell A Forb VERPERE Veronica peregrina VU 0 -4 Purslane Speedwell A Forb VERPERS Veronica serolita Ir 5 -1 Perslan Speedwell A Forb VERSCEND Veronica scutellata R2 7 -5 Marsh Speedwell N Forb VERSERP Veronica scutellata R2 7 -5 Marsh Speedwell N Forb VERSERP Veronica scutellata R2 7 -5 Marsh Speedwell N Forb VERSTRI Veronica scutellat	VERBLAT	Verbascum blattaria	lc		4		-1	Moth Mullein	A Forb
VERFILI Verbonica filiformis Ir 5 -1 Slender Speedwell A Forb VERHAST Verbona hastata C 4 -4 Blue Vervain N Forb VEROFI Verbonica longifolia Ir 5 -1 Long-leaved Speedwell A Forb VEROFII Veronica persical Ir 5 -2 Common Speedwell A Forb VERPERS Veronica persical Ir 5 -1 Persian Speedwell A Forb VERPERS Veronica persical Ir 5 -1 Persian Speedwell A Forb VERPERS Veronica soutellata R2 7 -5 Marsh Speedwell N Forb VERSTRI Verbena strictia R4 7 5 Hoary Vervain N Forb VERTHAP Verbeas unticifolia X 4 -1 White Vervain N Forb VERURT Verbeas unticifolia X 4 -1 White Vervain N Forb VERSTRI Verbeas unticifolia X <td>VERBRAC</td> <td>Verbena bracteata</td> <td>R</td> <td>2</td> <td>3</td> <td></td> <td></td> <td>Prostrate Vervain</td> <td>N Forb</td>	VERBRAC	Verbena bracteata	R	2	3			Prostrate Vervain	N Forb
VERHAST Verbena hastata C 4 -4 Blue Verwain N Forb VERLONG Veronica longifolia Ir 5 -1 Long-leaved Speedwell A Forb VERPERE Veronica periegrina VU 0 -4 Pursiane Speedwell N Forb VERPERS Veronica periegrina VU 0 -4 Pursiane Speedwell N Forb VERPERS Veronica perisca Ir 5 -1 Persian Speedwell A Forb VERSCUP Veronica scripiliro Ir 5 -1 Speedwell N Forb VERSCUP Veronica scripiliro I 0 -3 Thyme-leaved Speedwell N Forb VERSTRI Verbascum thapsus Ic 5 -2 Common Mulein A Forb VERNTHAP Verbena urticifolia X 4 -1 With Vervain N Forb VERURITI Verbena urticifolia X 4 -1 With Vervain N Forb VERURITI Verbena urticifolia <	VERCHAM	Veronica chamaedrys	Ir		5		-1	Bird's-eye Speedwell	A Forb
VERLONG Veronica longifolia Ir 5 -1 Long-leaved Speedwell A Forb VEROFFI Veronica pergerina VU 0 -4 Purslane Speedwell A Forb VERPERE Veronica persica Ir 5 -1 Persian Speedwell A Forb VERPERI Veronica polita Ir 5 -1 Speedwell A Forb VERSCUT Veronica scutellata R2 7 -5 Marsh Speedwell N Forb VERSTRI Veronica serpyllifolia I 0 -3 Thyme-leaved Speedwell N Forb VERSTRI Verbena stricta R4 7 5 Hoary Vervain N Forb VERURTI Verbena urticifolia X 4 -1 White Vervain N Forb VIBACES Viburnum acerifolium X 6 5 Maple-leaved Viburnum N Shrub VIBLANA Viburnum lentago C 4 -1 White Vervain N Shrub VIBCASI Viburnum opulus <t< td=""><td>VERFILI</td><td>Veronica filiformis</td><td>Ir</td><td></td><td>5</td><td></td><td>-1</td><td>Slender Speedwell</td><td>A Forb</td></t<>	VERFILI	Veronica filiformis	Ir		5		-1	Slender Speedwell	A Forb
VEROFFI Veronica officinalis I 5 -2 Common Speedwell A Forb VERPERE Veronica peregrina VU 0 -4 Purslane Speedwell N Forb VERPERS Veronica persica Ir 5 -1 Persian Speedwell A Forb VERPOLI Veronica persica Ir 5 -1 Speedwell A Forb VERPOLI Veronica scutellata R2 7 -5 Marsh Speedwell N Forb VERSTRI Veronica serpyllifolia I 0 -3 Thyme-leaved Speedwell N Forb VERSTRI Verbena stricta R4 7 5 Hoary Vervain N Forb VERTRIN Verbena stricta R4 7 5 Hoary Vervain N Forb VERNTIN Verbena stricta R4 7 5 Hoary Vervain N Forb VERSTRI Verbena stricta R4 7 5 Hoary Vervain N Forb VIBAGES Viburuum acerifolium X <	VERHAST	Verbena hastata	С	4	-4			Blue Vervain	N Forb
VERPERE Veronica peregrina VU 0 -4 Purslane Speedwell N Forb VERPERS Veronica persica Ir 5 -1 Persian Speedwell A Forb VERPOLI Veronica polita Ir 5 -1 Speedwell A Forb VERSCHZ Veronica scutellata R2 7 -5 Marsh Speedwell N Forb VERSERP Veronica serpyllifolia I 0 -3 Thyme-leaved Speedwell N Forb VERSTRI Verbena stricta R4 7 5 Hoary Vervain N Forb VERTHAL Verbena urticifolia X 4 -1 W hite Vervain N Forb VIBACER Viburnum caerifolium X 6 5 Maple-leaved Viburnum N Shrub VIBCASS Viburnum caerifolium X 6 5 Maple-leaved Viburnum N Shrub VIBLAN Viburnum lentago C 4 -1 W alfaria N Shrub VIBOPUL Viburnum rafinesquianum	VERLONG	Veronica longifolia	Ir		5		-1	Long-leaved Speedwell	A Forb
VERPERS Veronica persica Ir 5 -1 Persian Speedwell A Forb VERPOLI Veronica polita Ir 5 -1 Speedwell A Forb VERSCUT Veronica scutellata R2 7 -5 Marsh Speedwell N Forb VERSTRI Verbena stricta R4 7 5 Hoary Vervain N Forb VERSTRI Verbena stricta R4 7 5 Hoary Vervain N Forb VERTHAP Verbascum thapsus Ic 5 -2 Common Mullein A Forb VERURTI Verbena urticifolia X 4 -1 White Vervain N Forb VIBCASS Viburnum cassinoides X 7 -3 Wild-raisin N Shrub VIBLANA Viburnum lantana Ir 5 -1 Wayfaring Tree A Shrub VIBLENT Viburnum lentago C 4 -1 Nannyberry N Shrub VIBRAFI Viburnum rafinesequiaum X 7	VEROFFI	Veronica officinalis	ı		5		-2	Common Speedwell	A Forb
VERPOLI Veronica polita Ir 5 -1 Speedwell A Forb VERSCUT Veronica scutellata R2 7 -5 Marsh Speedwell N Forb VERSERP Veronica serpylifolia I 0 -3 Thyme-leaved Speedwell N Forb VERSTRI Verbena stricta R4 7 5 Lomon Mullein A Forb VERTHAP Verbena stricta R4 7 5 -2 Common Mullein A Forb VERURTI Verbena urticifolia X 4 -1 White Vervain N Forb VIBACAS Viburnum acarifolium X 6 5 Maple-leaved Viburnum N Shrub VIBCASS Viburnum cassinoides X 7 -3 Wild-raisin N Shrub VIBLANA Viburnum lantana Ir 5 -1 Wapte-leaved Viburnum N Shrub VIBLENT Viburnum lantana Ir 0 -1 European Highbush-cranberry N Shrub VIBORAL Viburnum	VERPERE	Veronica peregrina	VU	0	-4			Purslane Speedwell	N Forb
VERSCUT Veronica scutellata R2 7 -5 Marsh Speedwell N Forb VERSERP Veronica serpylifolia I 0 -3 Thyme-leaved Speedwell N Forb VERSTRI Verbena stricta R4 7 5 Hoary Vervain N Forb VERTHAP Verbena urticifolia X 4 -1 White Vervain N Forb VERURTI Verbena urticifolia X 4 -1 White Vervain N Forb VIBACER Viburnum acerifolium X 6 5 Maple-leaved Viburnum N Shrub VIBCASS Viburnum cassinoides X 7 -3 Wild-raisin N Shrub VIBCASS Viburnum lentago C 4 -1 Wayfaring Tree A Shrub VIBLANA Viburnum lentago C 4 -1 Nannyberry N Shrub VIBOPUL Viburnum relitago C 4 -1 Bunny Arrow-wood N Shrub VIBRAFI Viburnum relinesquianum X<	VERPERS	Veronica persica	Ir		5		-1	Persian Speedwell	A Forb
VERSERP Veronica serpyllifolia I 0 -3 Thyme-leaved Speedwell N Forb VERSTRI Verbena stricta R4 7 5 Hoary Vervain N Forb VERTHAP Verbeas with tapsus Ic 5 -2 Common Mullein A Forb VERURTI Verbean articifolia X 4 -1 White Vervain N Forb VIBACER Viburum acerifolium X 6 6 Maple-leaved Viburnum N Forb VIBCASS Viburum acerifolium X 6 5 Maple-leaved Viburnum N Shrub VIBCASS Viburum cassinoides X 7 -3 Wild-raisin N Shrub VIBCASS Viburum acerifolium X 5 -1 W ayfaring Tree A Shrub VIBLANA Viburum lentago C 4 -1 Nannyberry N Shrub VIBOPUL Viburum rafinesquianum X 7 5 Downy Arrow-wood N Shrub VIBTRIL Viburum trilobum <	VERPOLI	Veronica polita	Ir		5		-1	Speedwell	A Forb
VERSTRI Verbena stricta R4 7 5 Hoary Vervain N Forb VERTHAP Verbascum thapsus Ic 5 -2 Common Mullein A Forb VERURTI Verbena urticifolia X 4 -1 White Vervain N Forb VIBACER Viburnum acerifolium X 6 5 Maple-leaved Viburnum N Shrub VIBCASS Viburnum cassinoides X 7 -3 Wild-raisin N Shrub VIBLANA Viburnum lantana Ir 5 -1 Wayfaring Tree A Shrub VIBLENT Viburnum lentago C 4 -1 Nannyberry N Shrub VIBCAST Viburnum rafinesquianum X 7 5 Downy Arrow-wood N Shrub VIBTRIL Viburnum trilobum X 5 -3 Highbush-cranberry N Shrub VICCAC Vicia cracca I 5 -1 Cow Vetch A Forb VICSATI Vicia sativa I 4 -1 Common Vetch A Forb VICTETR Vicia tetrasperma I 5 -1 Sparrow Vetch A Forb VICVILL Vicia villosa I 5 -1 Hairy Vetch A Forb VIOAFFI Viola affinis R2 6 -3 S4 Le Conte's Marsh Violet N Forb VIOCANS Vicia canadensis X 6 5 Canada Violet N Forb VIOCONS Vicia canadensis X 6 5 Canada Violet N Forb VIOCONS Vicia canadensis X 4 -2 Dog Violet N Forb VIOCUCU Viola vina macloskeyi R2 6 -5 Smooth W hite Violet N Forb	VERSCUT	Veronica scutellata	R2	7	-5			Marsh Speedwell	N Forb
VERTHAP Verbascum thapsus Ic 5 -2 Common Mullein A Forb VERURTI Verbena urticifolia X 4 -1 White Vervain N Forb VIBACER Viburnum acerifolium X 6 5 Maple-leaved Viburnum N Shrub VIBCASS Viburnum cassinoides X 7 -3 Wild-raisin N Shrub VIBLENT Viburnum lantana Ir 5 -1 Wayfaring Tree A Shrub VIBOPUL Viburnum lentago C 4 -1 Nannyberry N Shrub VIBOPUL Viburnum rafinesquianum X 7 5 Downy Arrow-wood N Shrub VIBTRIL Viburnum trilobum X 7 5 Downy Arrow-wood N Shrub VICCRAC Vicia cracca I 5 -3 Highbush-cranberry N Shrub VICSATI Vicia cracca I 4 -1 Cow Vetch A Forb VICYLL Vicia sativa I 4	VERSERP	Veronica serpyllifolia	1	0	-3			Thyme-leaved Speedwell	N Forb
VERURTI Verbena urticifolia X 4 -1 White Vervain N Forb VIBACER Viburnum acerifolium X 6 5 Maple-leaved Viburnum N Shrub VIBCASS Viburnum cassinoides X 7 -3 Wild-raisin N Shrub VIBLANA Viburnum lantana Ir 5 -1 Wayfaring Tree A Shrub VIBLENT Viburnum lentago C 4 -1 Nannyberry N Shrub VIBOPUL Viburnum opulus Ir 0 -1 European Highbush-cranberry A Shrub VIBRAFI Viburnum rafinesquianum X 7 5 Downy Arrow-wood N Shrub VIBTRIL Viburnum trilobum X 5 -3 Highbush-cranberry N Shrub VICCRAC Vicia cracca I 5 -1 Cow Vetch A Forb VICSATI Vicia sativa I 4 -1 Common Vetch A Forb VICTETR Vicia tetrasperma I 5 -1 Sparrow Vetch A Forb VICULL Vicia villosa I 5 -1 Hairy Vetch A Forb VINMINO Vinca minor Ir 5 -2 Common Periwinkle A Shrub VIOAFFI Viola arvensis I 5 -1 Field Pansy A Forb VIOCANA Viola canadensis X 6 -2 Sweet White Violet N Forb VIOCANA Viola conspersa X 4 -2 Dog Violet N Forb VIOCUCU Viola cucullata X 5 -5 Smooth W hite Violet N Forb	VERSTRI	Verbena stricta	R4	7	5			Hoary Vervain	N Forb
VIBACER Viburnum acerifolium X 6 5 Maple-leaved Viburnum N Shrub VIBCASS Viburnum cassinoides X 7 -3 Wild-raisin N Shrub VIBLANA Viburnum lantana Ir 5 -1 Wayfaring Tree A Shrub VIBLENT Viburnum lentago C 4 -1 Nannyberry N Shrub VIBOPUL Viburnum opulus Ir 0 -1 European Highbush-cranberry A Shrub VIBRAFI Viburnum rafinesquianum X 7 5 Downy Arrow-wood N Shrub VIBTRIL Viburnum trilobum X 5 -3 Highbush-cranberry N Shrub VICCRAC Vicia cracca I 5 -1 Cow Vetch A Forb VICSATI Vicia sativa I 4 -1 Common Vetch A Forb VICTETR Vicia tetrasperma I 5 -1 Sparrow Vetch A Forb VICVILL Vicia villosa I 5 -1 Hairy Vetch A Forb VICNIMINO Vinca minor Ir 5 -2 Common Periwinkle A Shrub VIOAFFI Viola affinis R2 6 -3 S4 Le Conte's Marsh Violet N Forb VIORVE Viola varvensis I 5 -1 Field Pansy A Forb VIORANA Viola canadensis X 6 5 Canada Violet N Forb VIOCONS Viola conspersa X 4 -2 Dog Violet N Forb VIOCONS Viola cucullata X 5 -5 Marsh Violet N Forb VIOCOUCU Viola cucullata X 5 -5 Marsh Violet N Forb	VERTHAP	Verbascum thapsus	Ic		5		-2	Common Mullein	A Forb
VIBCASS Viburnum cassinoides X 7 -3 Wild-raisin N Shrub VIBLANA Viburnum lantana Ir 5 -1 Wayfaring Tree A Shrub VIBLENT Viburnum lentago C 4 -1 Nannyberry N Shrub VIBOPUL Viburnum opulus Ir 0 -1 European Highbush-cranberry A Shrub VIBRAFI Viburnum rafinesquianum X 7 5 Downy Arrow-wood N Shrub VIBTRIL Viburnum trilobum X 5 -3 Highbush-cranberry N Shrub VICCRAC Vicia cracca I 5 -1 Cow Vetch A Forb VICSATI Vicia sativa I 4 -1 Common Vetch A Forb VICTETR Vicia tetrasperma I 5 -1 Sparrow Vetch A Forb VICVILL Vicia villosa I 5 -1 Hairy Vetch A Forb VICNININO Vinca minor Ir 5 -2 Common Periwinkle A Shrub VIOAFFI Viola affinis R2 6 -3 S4 Le Conte's Marsh Violet N Forb VIOBLAN Viola blanda X 6 -2 Sweet White Violet N Forb VIOCANA Viola canadensis X 6 5 Canada Violet N Forb VIOCONS Viola conspersa X 4 -2 Dog Violet N Forb VIOCUCU Viola macloskeyi R2 6 -5 Smooth White Violet N Forb	VERURTI	Verbena urticifolia	Х	4	-1			W hite Vervain	N Forb
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VIBLENT Viburnum lentago C 4 -1 Nannyberry N Shrub VIBOPUL Viburnum opulus Ir 0 -1 European Highbush-cranberry A Shrub VIBRAFI Viburnum rafinesquianum X 7 5 Downy Arrow-wood N Shrub VIBTRIL Viburnum trilobum X 5 -3 Highbush-cranberry N Shrub VICCRAC Vicia cracca I 5 -1 Cow Vetch A Forb VICSATI Vicia sativa I 4 -1 Common Vetch A Forb VICTETR Vicia tetrasperma I 5 -1 Sparrow Vetch A Forb VICVILL Vicia villosa I 5 -1 Hairy Vetch A Forb VINMINO Vinca minor Ir 5 -2 Common Periwinkle A Shrub VIOAFFI Viola affinis R2 6 -3 S4 Le Conte's Marsh Violet N Forb VIOBLAN Viola blanda X 6 -2 Sweet W hite Violet N Forb VIOCANA Viola canadensis X 6 5 Canada Violet N Forb VIOCONS Viola conspersa X 4 -2 Dog Violet N Forb VIOMACL Viola macloskeyi R2 6 -5 Smooth W hite Violet N Forb	VIBCASS	Viburnum cassinoides	Х	7	-3			Wild-raisin	N Shrub
VIBOPUL Viburnum opulus Ir 0 -1 European Highbush-cranberry A Shrub VIBRAFI Viburnum rafinesquianum X 7 5 Downy Arrow-wood N Shrub VIBTRIL Viburnum trilobum X 5 -3 Highbush-cranberry N Shrub VICCRAC Vicia cracca I 5 -1 Cow Vetch A Forb VICSATI Vicia sativa I 4 -1 Common Vetch A Forb VICTETR Vicia tetrasperma I 5 -1 Sparrow Vetch A Forb VICVILL Vicia villosa I 5 -1 Hairy Vetch A Forb VINMINO Vinca minor Ir 5 -2 Common Periwinkle A Shrub VIOAFFI Viola affinis R2 6 -3 S4 Le Conte's Marsh Violet N Forb VIOBLAN Viola blanda X 6 -2 Sweet White Violet N Forb VIOCANA Viola canadensis X 6 5 Canada Violet N Forb VIOCONS Viola conspersa X 4 -2 Dog Violet N Forb VIOMACL Viola macloskeyi R2 6 -5 Smooth White Violet N Forb	VIBLANA	Viburnum lantana	Ir		5		-1	W ayfaring Tree	A Shrub
VIBRAFI Viburnum rafinesquianum X 7 5 Downy Arrow-wood N Shrub VIBTRIL Viburnum trilobum X 5 -3 Highbush-cranberry N Shrub VICCRAC Vicia cracca I 5 -1 Cow Vetch A Forb VICSATI Vicia sativa I 4 -1 Common Vetch A Forb VICTETR Vicia tetrasperma I 5 -1 Sparrow Vetch A Forb VICVILL Vicia villosa I 5 -1 Hairy Vetch A Forb VINMINO Vinca minor Ir 5 -2 Common Periwinkle A Shrub VIOAFFI Viola affinis R2 6 -3 S4 Le Conte's Marsh Violet N Forb VIOBLAN Viola blanda X 6 -2 Sweet W hite Violet N Forb VIOCANA Viola canadensis X 6 5 Canada Violet N Forb VIOCONS Viola conspersa X 4 -2 Dog Violet N Forb VIOCUCU Viola macloskeyi R2 6 -5 Smooth W hite Violet N Forb	VIBLENT	Viburnum lentago	С	4	-1			Nannyberry	N Shrub
VIBTRILViburnum trilobumX5-3Highbush-cranberryN ShrubVICCRACVicia craccaI5-1Cow VetchA ForbVICSATIVicia sativaI4-1Common VetchA ForbVICTETRVicia tetraspermaI5-1Sparrow VetchA ForbVICVILLVicia villosaI5-1Hairy VetchA ForbVINMINOVinca minorIr5-2Common PeriwinkleA ShrubVIOAFFIViola affinisR26-3S4Le Conte's Marsh VioletN ForbVIOARVEViola arvensisI5-1Field PansyA ForbVIOBLANViola blandaX6-2Sweet W hite VioletN ForbVIOCANAViola canadensisX65Canada VioletN ForbVIOCONSViola conspersaX4-2Dog VioletN ForbVIOCUCUViola macloskeyiR26-5Smooth W hite VioletN Forb	VIBOPUL	Viburnum opulus	Ir		0		-1	European Highbush-cranberry	A Shrub
VICCRACVicia craccaI5-1Cow VetchA ForbVICSATIVicia sativaI4-1Common VetchA ForbVICTETRVicia tetraspermaI5-1Sparrow VetchA ForbVICVILLVicia villosaI5-1Hairy VetchA ForbVINMINOVinca minorIr5-2Common PeriwinkleA ShrubVIOAFFIViola affinisR26-3S4Le Conte's Marsh VioletN ForbVIOARVEViola arvensisI5-1Field PansyA ForbVIOBLANViola blandaX6-2Sweet W hite VioletN ForbVIOCANAViola canadensisX65Canada VioletN ForbVIOCONSViola conspersaX4-2Dog VioletN ForbVIOCUCUViola cucullataX5-5Marsh VioletN ForbVIOMACLViola macloskeyiR26-5Smooth W hite VioletN Forb	VIBRAFI	Viburnum rafinesquianum	Х	7	5			Downy Arrow-wood	N Shrub
VICSATIVicia sativaI4-1Common VetchA ForbVICTETRVicia tetraspermaI5-1Sparrow VetchA ForbVICVILLVicia villosaI5-1Hairy VetchA ForbVINMINOVinca minorIr5-2Common PeriwinkleA ShrubVIOAFFIViola affinisR26-3S4Le Conte's Marsh VioletN ForbVIOARVEViola arvensisI5-1Field PansyA ForbVIOBLANViola blandaX6-2Sweet W hite VioletN ForbVIOCANAViola canadensisX65Canada VioletN ForbVIOCONSViola conspersaX4-2Dog VioletN ForbVIOCUCUViola cucullataX5-5Marsh VioletN ForbVIOMACLViola macloskeyiR26-5Smooth W hite VioletN Forb	VIBTRIL	Viburnum trilobum	Χ	5	-3			Highbush-cranberry	N Shrub
VICTETR Vicia tetrasperma I 5 -1 Sparrow Vetch A Forb VICVILL Vicia villosa I 5 -1 Hairy Vetch A Forb VINMINO Vinca minor Ir 5 -2 Common Periwinkle A Shrub VIOAFFI Viola affinis R2 6 -3 S4 Le Conte's Marsh Violet N Forb VIOARVE Viola arvensis I 5 -1 Field Pansy A Forb VIOBLAN Viola blanda X 6 -2 Sweet W hite Violet N Forb VIOCANA Viola canadensis X 6 5 Canada Violet N Forb VIOCONS Viola conspersa X 4 -2 Dog Violet N Forb VIOCUCU Viola cucullata X 5 -5 Marsh Violet N Forb VIOMACL Viola macloskeyi R2 6 -5 Smooth W hite Violet N Forb	VICCRAC	Vicia cracca	I		5		-1	Cow Vetch	A Forb
VICVILL Vicia villosa I 5 -1 Hairy Vetch A Forb VINMINO Vinca minor Ir 5 -2 Common Periwinkle A Shrub VIOAFFI Viola affinis R2 6 -3 S4 Le Conte's Marsh Violet N Forb VIOARVE Viola arvensis I 5 -1 Field Pansy A Forb VIOBLAN Viola blanda X 6 -2 Sweet W hite Violet N Forb VIOCANA Viola canadensis X 6 5 Canada Violet N Forb VIOCONS Viola conspersa X 4 -2 Dog Violet N Forb VIOCUCU Viola cucullata X 5 -5 Marsh Violet N Forb VIOMACL Viola macloskeyi R2 6 -5 Smooth W hite Violet N Forb	VICSATI	Vicia sativa	1		4		-1	Common Vetch	A Forb
VINMINO Vinca minor Ir 5 -2 Common Periwinkle A Shrub VIOAFFI Viola affinis R2 6 -3 S4 Le Conte's Marsh Violet N Forb VIOARVE Viola arvensis I 5 -1 Field Pansy A Forb VIOBLAN Viola blanda X 6 -2 Sweet W hite Violet N Forb VIOCANA Viola canadensis X 6 5 Canada Violet N Forb VIOCONS Viola conspersa X 4 -2 Dog Violet N Forb VIOCUCU Viola cucullata X 5 -5 Marsh Violet N Forb VIOMACL Viola macloskeyi R2 6 -5 Smooth W hite Violet N Forb	VICTETR	Vicia tetrasperma	I		5		-1	Sparrow Vetch	A Forb
VIOAFFIViola affinisR26-3S4Le Conte's Marsh VioletN ForbVIOARVEViola arvensisI5-1Field PansyA ForbVIOBLANViola blandaX6-2Sweet White VioletN ForbVIOCANAViola canadensisX65Canada VioletN ForbVIOCONSViola conspersaX4-2Dog VioletN ForbVIOCUCUViola cucullataX5-5Marsh VioletN ForbVIOMACLViola macloskeyiR26-5Smooth White VioletN Forb	VICVILL	Vicia villosa	1		5		-1	Hairy Vetch	A Forb
VIOARVEViola arvensisI5-1Field PansyA ForbVIOBLANViola blandaX6-2Sweet W hite VioletN ForbVIOCANAViola canadensisX65Canada VioletN ForbVIOCONSViola conspersaX4-2Dog VioletN ForbVIOCUCUViola cucullataX5-5Marsh VioletN ForbVIOMACLViola macloskeyiR26-5Smooth W hite VioletN Forb	VINMINO	Vinca minor	lr		5		-2	Common Periwinkle	A Shrub
VIOBLAN Viola blanda X 6 -2 Sweet White Violet N Forb VIOCANA Viola canadensis X 6 5 Canada Violet N Forb VIOCONS Viola conspersa X 4 -2 Dog Violet N Forb VIOCUCU Viola cucullata X 5 -5 Marsh Violet N Forb VIOMACL Viola macloskeyi R2 6 -5 Smooth W hite Violet N Forb	VIOAFFI	Viola affinis	R2	6	-3	S4		Le Conte's Marsh Violet	N Forb
VIOCANAViola canadensisX65Canada VioletN ForbVIOCONSViola conspersaX4-2Dog VioletN ForbVIOCUCUViola cucullataX5-5Marsh VioletN ForbVIOMACLViola macloskeyiR26-5Smooth W hite VioletN Forb	VIOARVE	Viola arvensis	I		5		-1	Field Pansy	A Forb
VIOCANAViola canadensisX65Canada VioletN ForbVIOCONSViola conspersaX4-2Dog VioletN ForbVIOCUCUViola cucullataX5-5Marsh VioletN ForbVIOMACLViola macloskeyiR26-5Smooth W hite VioletN Forb	VIOBLAN	Viola blanda	X	6	-2			Sweet White Violet	N Forb
VIOCONS Viola conspersa X 4 -2 Dog Violet N Forb VIOCUCU Viola cucullata X 5 -5 Marsh Violet N Forb VIOMACL Viola macloskeyi R2 6 -5 Smooth W hite Violet N Forb		Viola canadensis	X	6	5			Canada Violet	N Forb
VIOCUCU Viola cucullata X 5 -5 Marsh Violet N Forb VIOMACL Viola macloskeyi R2 6 -5 Smooth W hite Violet N Forb									
VIOMACL Viola macloskeyi R2 6 -5 Smooth White Violet N Forb		·			-5			<u> </u>	
		·							

SP_CODE	SCI_NAME	MIDD	СС	CW	SRANK	WEED	COM_NAME	PHYSIOG
VIOODOR	Viola odorata	Ir		5		-1	Sweet Violet	A Forb
VIOPALM	Viola palmata	R1	9	5	S2		Wood Violet	N Forb
VIOPUBE	Viola pubescens	С	5	4			Yellow Violet	N Forb
VIORENI	Viola renifolia	?	7	-3			Kidney-leaved Violet	N Forb
VIOROST	Viola rostrata	X	6	3			Long-spurred Violet	N Forb
VIOROTU	Viola rotundifolia	Rh	10	0	S1		Round-leaved Violet	N Forb
VIOSAGI	Viola sagittata	Χ	9	-2	S4		Arrow-leaved Violet	N Forb
VIOSORO	Viola sororia	X	4	1			Common Blue Violet	N Forb
VIOSTRI	Viola striata	U	8	-3	S3		Striped Violet	N Forb
VIOTRIC	Viola tricolor	Ir		5		-1	Johnny-jump-up	A Forb
VIOXBRA	Viola x brauniae	R1	8				(V. rostrata X V. striata)	N Forb
VITAEST	Vitis aestivalis	VU	7	3	S4		Summer Grape	N Vine
VITLABR	Vitis labrusca	R3	3	3			Fox Grape	N Vine
VITRIPA	Vitis riparia	С	0	-2			Riverbank Grape	N Vine
WALFRAG	W aldsteinia fragarioides	R4	5	5			Barren Strawberry	N Forb
WOLBORE	W olffia borealis	VU	4	-5			Dotted W ater-meal	N Forb
WOLCOLU	W olffia columbiana	VU	4	-5			W ater-meal	N Forb
WOOVIRG	W oodwardia virginica	R1	10	-5			Virginia Chain-fern	N Fern
XANSPIN	Xanthium spinosum	lh		3		-1	Cocklebur	A Forb
XANSTRU	Xanthium strumarium	С	2	0			Cocklebur	N Forb
ZANAMER	Zanthoxylum americanum	С	3	5			Prickly-ash	N Shrub
ZEAMAYS	Zea mays	Ir		5		-1	Corn	A Grass
ZIZAPTE	Zizia aptera	Rh	9	3	S1		Heart-leaved Alexanders	N Forb
ZIZAURE	Zizia aurea	X	7	-1			Golden Alexanders	N Forb

APPENDIX 6

DESCRIPTION OF THE GEODATABASE DIGITAL MAPPING LAYERS

NATURAL HERITAGE GEODATABASE

londonesa83: City of London Environmental Significant Areas

(Corporation of City of London 2002)

buffer_of_londonesa83: 750 m buffer on londonesa83

(UTRCA 2002)

esa lamb83: Lambton County Environmental Significant Area 33L "Sydenham

River Corridor"

(Lambton County Official Plan 1996)

buffer_of_esalamb83: 750 m buffer on esa_lamb83

(UTRCA 2002)

prov_ansi83: Areas of Natural and Scientific Interest (Life Science) as defined in

the Middlesex County Official Plan (1997) (Natural Heritage Information Centre)

buffer of prov ansi83: 750 m buffer on prov ansi83

(UTRCA 2002)

sna_op83: Significant Natural Areas as defined in the Middlesex County

Official Plan (1997) (Hilts and Cook 1982)

buffer of sna op83: 750 m buffer on sna op83

(UTRCA 2002)

Wetlands_2003: Provincially Designated Wetlands

(Ontario Ministry of Natural Resources 2003)

Buffer_of_Wetands_2003: 750 m buffer on Wetlands_2003

(UTRCA 2003)

BPcorridor_middlesex: Big Picture Natural Heritage Corridor in Hills' (1959) Site Region

7E

(Natural Heritage Information Centre 1999)

Bigger_Picture_Corridor: Big Picture Natural Heritage Corridor incorporating Hills' (1959)

Site Region 6E

(Natural Heritage Information Centre 2003)

Buffer_ of_ Bigger_Picture_Corridor: 200 m buffer on Bigger_Picture_Corridor

(UTRCA 2003)

Middlesex_ABCA_Corridor: Natural Heritage Corridor

(Ausable Bayfield Conservation Authority Watershed

Management Strategy 1995)

Buffer_of_Thames_Corridor: 200 m buffer on Thames River

(Woodfern Research 1991)

Middlesex_Natural_HeritageCorridor: Final Natural Heritage Corridor - comprised of parts

from: Big_Picture_Corridor,

Buffer_ of_ Bigger_Picture_Corridor,

Middlesex_ABCA_Corridor Buffer_of_Thames_Corridor

(UTRCA 2003)

middlesex_flow: Surface and subsurface drainage and natural watercourses. ABCA

and UTRCA removed subsurface segment from digital layer. Original info provided by OBM 1:10,000 1983 but updated by

photography of the following years:

Ausable Bayfield 1999 Lower Thames River 1983

Kettle Creek 1997

Upper Thames River 1989

St. Clair River 1992

buffer_of_middlesex_flow: 50 m buffer on middlesex_flow

(UTRCA 2002)

middlesex_waterpoly: Waterbodies and wetland features

(OBM 1983)

Middlesex_prairie_grasslands: Areas of grassland Prairie

(Tall Grass Ontario Files)

PHYSICAL GEOGRAPHY GEODATABASE

Mid_soil_83: Middlesex County soils information

(Ontario Ministry of Agriculture and Food 1985)

Soils fs83, fsl83, sl83, vfsl83: Soils types extracted from Mid soil 83 to define areas of

possible recharge

(Ontario Ministry of Agriculture and Food 1985)

midphys_83: Middlesex County Physiography

(Chapman and Putnam 1972)

middlesex landuse: Middlesex County Agriculture Land Use

(Ontario Ministry of Agriculture and Food 1983 survey)

Middlesex_Geographic: County boundary including City of London and First

Nations Reserves as one file

(Municipal Housing and Affairs 2002)

Middlesex proper: Middlesex County boundary not including City of London

nor the First Nations

(Municipal Housing and Affairs 2002)

Middlesex_FN_London: Middlesex_Geographic including First Nations and City of

London Boundaries as separate entities

(Municipal Housing and Affairs 2002)

Middlesex_Geographic2km: 200m boundary on outside of Middlesex_Geographic

(UTRCA 2002)

VEGETATION GEODATABASE

vegmodelalldec2: Updated vegetation layer (woodland patches)

(UTRCA 2002)

Buffer_of_vegmodel83alldec2_2: 100m buffer of vegmodelalldec2 on inside of polygon only

(UTRCA 2002)

vegmodel_interior: forest edge and interior attribute information

(UTRCA 2002)

interior_forest: all interior forest segments except segments less than

 $2000m^{2}$

(UTRCA 2002)

interior_calculation: information regarding size of individual woodlands

including total area, edge and amount of interior

(UTRCA 2002)

veg_gt_10ha: Vegetation patches greater than 10 hectares extracted from

vegmodelalldec2

(UTRCA 2002)

buffer of veg_gt_ha: 100 m buffer on veg_gt_10ha

(UTRCA 2002)

APPENDIX 7 TREE SPECIES BY PHYSIOGRAPHIC TYPE

SPECIES CODE	ВЕАСН	CLAY	KAME	PEAT	SAND	SPILL	TILLMOR	TILLPLA	TOTAL
ACENEGU						13	3	3	19
ACENIGR	1				1			1	3
ACERUBR	1	6	4	4	13	6	4	14	52
ACESACC	17	8	2		53	86	46	78	290
ACESACN	3	4	1	2	19	35	12	43	119
BETALLE	3				3	8	1	2	17
BETPAPY	1				1	3	3		8
CARCORD	4	2			6	16	13	24	65
CAROVAT	1	1			1	1	2	2	8
CELOCCI						1	1	1	3
CRATAE	1				1	3	1	1	7
FAGGRAN			1		4	17	4	14	40
FRAAMER	4	2			14	54	22	43	139
FRANIGR	1				2	2			5
FRAPENN		5	4			2	3	4	18
FRAXIN		4	4	1	2	5	5	16	37
GLETRIA							1	1	2
JUGCINE								1	1
JUGNIGR	2	2	2		2	11	5	8	32
LARLARI						5	1	1	7
MALPUMI						2	1		3
OSTVIRG								2	2
PICABIE						1			1
PINRESI						1		1	2
PINSTRO	3	2			4	6	4	5	24
PINSYLV						4	3	3	10
PLAOCCI						3			3
POPALBA						1			1
POPBALS						2	1	1	4
POPDELT	1			1	1	5	2	3	13
POPGRAN					1	4	3	3	11
POPTREM	4			2	8	42	13	27	96

PRUSERO			2			4	1	1	8
QUEALBA					1	3	1		5
QUEMACR		2			2	4	1	5	14
QUERUBR					1	4	4	1	10
QUEVELU					1				1
ROBPSEU						2	2	1	5
SALIX	1		2			4	2		9
SALXRUB	2				7	28	14	20	71
THUOOCI	1				1	18	5		25
TILAMER						4	3	2	9
TSUCANA	1				1	7			9
ULMAMER	5	3		1	6	37	20	45	117
# TYPES	24	12	10	7	32	56	45	43	229
# COMM	57	41	22	11	156	454	207	377	1325
DIVERSITY	0.87	0.94	0.95	0.84	0.74	0.78	0.82	0.75	N/A