

DEVELOPMENT OF A FLORISTIC QUALITY ASSESSMENT METHODOLOGY FOR WISCONSIN

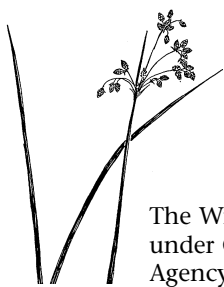
**Final Report to the
U.S. Environmental Protection Agency
Region V**



Thomas W. Bernthal

JUNE 2003





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**Final Report to USEPA - Region V
Wetland Grant # CD975115-01-0**

June 2003

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EXECUTIVE SUMMARY

The Wisconsin Department of Natural Resources (DNR) is developing a wetland monitoring program to assess the biotic condition of wetlands in Wisconsin, using a suite of complementary assessment tools at both the site-specific and landscape scales. The Wisconsin Floristic Quality Assessment (WFQA) method has been developed to provide an intensive measure of wetland biological integrity at the site level based on the condition of the plant community. The WFQA can also be applied to any tract of land with a developed plant community, including non-wetlands.

The WFQA is an adaptation for use in Wisconsin of the original floristic quality assessment method developed by Floyd Swink and Gerould Wilhelm for the Chicago Region. The basis of floristic quality assessment is the concept of species conservatism, the degree to which a species can tolerate disturbance and its fidelity to undegraded conditions. Conservatism is not always equated with rarity. The method uses the aggregate conservatism of all species found on a site as a measure of the site's intactness, an indication of its ecological integrity.

The method requires the *a priori* assignment of “coefficients of conservatism” to every native vascular plant species in a regional flora, relying on the collective knowledge of a group of experts. The coefficients for the WFQA were assigned by a core group of seven expert Wisconsin botanists, aided by Gerould Wilhelm, and using survey results from a larger group of Wisconsin botanists. The coefficients assigned previously by a group of aquatic ecologists led by Stanley Nichols were accepted for aquatic plants.

The method requires an accurate and complete inventory of vascular flora on a site. The appropriate coefficient is applied to each species, and an average coefficient of conservatism (Mean C) is calculated for the entire site or sample unit. The Floristic Quality Index (FQI) adds a weighted measure of species richness by multiplying the Mean C by the square root of the total number of native species. Higher Mean C and FQI numbers indicate higher floristic integrity and a lower level of disturbance impacts to the site. Mean C and FQI values are affected by the timing, sampling effort, and accuracy of the vegetation inventory and can vary by plant community type. The size and heterogeneity of the assessment area can also affect FQI values. These limitations must be taken into account when interpreting WFQA results.

WFQA is recommended for assessing ambient wetland biological conditions, and for monitoring the effects of restoration and management actions. Periodic assessments carried out in a consistent manner can provide data on long-term trends at a site. WFQA can provide a measure of vegetative integrity as part of a wetland functions and values assessment, but cannot substitute as a stand alone comprehensive functional assessment.

Several important steps remain to be taken to implement the use of the Wisconsin FQA.

1. Test its consistency with other biological assessment methodologies.
2. Test its feasibility for use in a wetland monitoring program.
3. Account for and control sources of variability in designing future monitoring studies using the WFQA, especially for trends monitoring.
4. Provide a computer program to easily calculate FQA statistics.
5. Develop a database of FQA site values, including a range of reference sites by ecoregion and wetland type.

INTRODUCTION

*This study builds upon the recommendations of a study funded under a previous USEPA Wetland Grant (#CD985491-01-0) for developing a wetland monitoring program. That study recommended the development of a suite of wetland assessment methods that work at a variety of scales (Bernthal, 2001). The Wisconsin Floristic Quality Assessment (WFQA) is one of three lines of methodology development funded under USEPA Wetland Grant CD97511501-0. Two other complementary methods developed under this EPA grant are summarized in separate publications: **Refinement and Expansion of Biological Indices for Wisconsin Wetlands** (Lillie, et al., 2002) and **Development of a Landscape Level Monitoring Methodology Based on Mapping Invasive Species** (Bernthal and Willis, in prep.).*

A principal goal of the Clean Water Act is to maintain and restore the physical, chemical and biological integrity of the waters of the United States (33 U.S.C. §1251(a)). Section 305(b) of the Clean Water Act requires states to monitor and report on the condition of their waters, including the maintenance of biological integrity. Biological integrity has been defined as "... the capability of supporting and maintaining a balanced, integrated, adaptive community of organisms having a species composition, diversity, and functional organization comparable to that of natural habitat of the region" (Karr and Dudley 1981). The concept of ecological integrity and ecosystem health has been described in the following way.

"A biological system is healthy and has ecological integrity when its inherent potential is realized, its condition is 'stable,' its capacity for self-repair is maintained, and external support for maintenance is minimal. Integrity implies an unimpaired condition or quality or state of being undivided." (Karr 1993)

The Wisconsin DNR Wetland Team has committed to developing an assessment and monitoring program to assess the biological integrity, or condition, of wetlands in Wisconsin (WDNR Wetland Team 2000, Bernthal 2001). Assessing the ecological integrity of the wetland itself contrasts with the broader assessment of "functions and values" or "functional values" that is conducted for impact assessment, typically in a regulatory context. The uses for condition assessment are for management and restoration of wetlands, planning for the preservation of wetlands, development and refinement of wetland water quality standards, and periodic reporting on wetland condition to the public as required under Section 305(b) of the Clean Water Act.

The development of tools for assessing and reporting site condition differs somewhat from the development of long-term trends monitoring tools. Long-term monitoring programs may choose to identify a few key variables that can be consistently measured over time to show environmental trends, such as Secchi-disk readings and ice-on and ice-off dates for lakes. Site assessment methods are more focused on integrating measures of the current state of the system being assessed and thus can be of more immediate relevance to managers and decision-makers. There are trade-offs involved in each approach.

Because the primary uses we envision for wetland assessment and monitoring information are geared toward management, restoration, and planning, we are focusing on condition assessment as the primary goal, with the potential for repeated or periodic assessments to indicate longer-term trends.

The wetland monitoring strategy (Bernthal 2001) calls for developing complementary tools that can be used across the broad spectrum of wetland types at both the site-specific and landscape scale. The department chose to develop a Wisconsin version of the Floristic Quality Assessment as an intensive site-level assessment method for several reasons:

- Floristic quality assessment offers the ability to assess any wetland plant community, giving us a method that can be immediately employed while multi-metric biological integrity indexes are being developed for the wide variety of wetland types present in Wisconsin.
- Floristic quality assessment provides a standard, unbiased, repeatable method, and thus holds promise for monitoring trends over time, and comparing sites within a region.
- Compared to biological indexes requiring extensive laboratory processing, floristic quality assessment can be mainly accomplished directly in the field, although this depends on observer expertise.
- Metrics for plant based biological integrity indexes can be developed that incorporate coefficient of conservatism values as has been done in Ohio (Mack, et al. 2000).
- In addition to wetland assessment, floristic quality assessment can also be used in land management, restoration, and identification, evaluation, and comparison of natural areas. The approach can also be used to assess terrestrial systems, offering a useful tool to a wide range of users.
- Floristic quality assessment methods have been or are being developed and used in other states including Ohio (Andreas and Lichvar 1995), Illinois (Taft, et al. 1997), and Michigan (Herman, et al. 2001).

Wisconsin Floristic Quality Assessment (WFQA) Method

The Wisconsin Floristic Quality Assessment (WFQA) is an adaptation of the floristic quality assessment method for use in Wisconsin, treating the entire state as a single region. Floyd Swink and Gerould Wilhelm (1979, 1994) developed the original methodology for the Chicago Region, as a standardized, repeatable means of evaluating

natural area quality. The method allows for comparing the floristic quality among many sites and for tracking changes at the same site over time, whether undergoing natural succession or being actively managed.

The method is based on the concept of species conservatism. Each native plant species occurring in a regional flora is assigned a coefficient of conservatism (C) representing an estimated probability that a species is likely to occur in a landscape relatively unaltered from what is believed to be a pre-settlement condition. The most conservative species require a narrow range of ecological conditions, are intolerant of disturbance, and are unlikely to be found outside undegraded remnant natural areas, while the least conservative species can be found in a wide variety of settings and thrive on disturbance. Coefficients range from 0 (highly tolerant of disturbance, little fidelity to any natural community) to 10 (highly intolerant of disturbance, restricted to pre-settlement remnants). Conceptually this 10-point scale can be subdivided into several ranges. The following description of coefficient ranges combines the discussions presented by Taft, et al. (1997) and Francis, et al. (2000; describing concepts used in Oldham 1995):

0-3: taxa found in a wide variety of plant communities and very tolerant of disturbance

4-6: taxa typically associated with a specific plant community, but tolerate moderate disturbance

7-8: taxa found in a narrow range of plant communities in advanced stages of succession, but can tolerate minor disturbance

9-10: taxa restricted to a narrow range of synecological conditions, with low tolerance of disturbance.

Conservatism and rarity, or special conservation concern status, are not always equated, however. Many species of conservation concern are both highly conservative and restricted to specific remnant natural communities. An example is *Chamaesyce polygonifolia*, seaside spurge, a “special concern” species, confined to sandy beaches and dunes along the Great Lakes. It is assigned a conservatism coefficient of 10. In contrast, some rare species are found in highly disturbed areas and are not conservative. An example is *Carex pallescens*, pale sedge, another “special concern” species. It is assigned a conservatism coefficient of 1, because it can be found locally in moist disturbed roadsides, fields, clearings, and borders of woods in the North. In other cases, rare species may now be found increasingly in disturbed habitats in addition to remnant undisturbed sites, as in the case of *Gentiana alba*, yellow gentian, a “threatened species” assigned a coefficient of 7. It is native to deep soil, mesic to moist prairies, but is now also found on roadsides, embankments, old fields, and logging roads. Many conservative species are not at all rare in Wisconsin. An example is *Kalmia polifolia*, swamp laurel, a shrub restricted to bogs, which is assigned a 10, but it is not endangered because bog habitat is still common in northern Wisconsin.

Floristic quality assessment uses two related, but separate, measures: 1) the average coefficient of conservatism or Mean C, and 2) the Floristic Quality Index or FQI. To use the WFQA, the plant community is inventoried or sampled to compile an accurate and complete species list of vascular flora on a site. The choice of a sampling methodology is not dictated. The appropriate coefficient of conservatism is applied to each species, and the mean is calculated for the assessment area.

$$\text{Mean C} = \sum(c_1+c_2+c_3+\dots c_n)/N \quad \text{Formula (1)}$$

where *c* is the coefficient of conservatism for each native species identified on the site and *N* is the total number of native species inventoried in the assessment area.

The Floristic Quality Index (FQI) is calculated by multiplying the Mean C by the square root of the total number of native species.

$$\text{FQI} = \text{Mean C} * \sqrt{N}$$

or

$$\text{FQI} = \sum(c_1+c_2+c_3+\dots c_n)/\sqrt{N} \quad \text{Formula (2)}$$

These values can also be calculated “with adventives” by counting non-native species, but assigning them a value of “0.”

Researchers have debated the relative merits of using Mean C versus FQI. FQI can be biased by size of the site, especially in communities such as sedge meadows, in which species richness is strongly influenced by increasing area (Mathews 2003). Higher FQI values can result on sites where disturbance through part of the area allows weedy species to invade, rather than reflecting higher quality, less disturbed habitat (Rooney and Rogers 2002). Francis, et al. (2000) suggest that by combining Mean C and a measure of species richness, the FQI obscures important information, and suggest looking at each component (Mean C and species richness) separately. Lopez and Fennessy (2002) demonstrated the effectiveness of the FQI (described in their terminology as FQAI – Floristic Quality Assessment Index,) as a plant community-based biological assessment tool by showing a correlation between FQAI score and an independent ranking of disturbance for 20 depressional wetlands in Ohio.

It appears useful to compute and interpret both the Mean C and the FQI value. FQI values will be sensitive to factors that increase species richness, while Mean C relates directly to aggregate conservatism. This enables the assessor to sort out situations where species richness is increased due to factors not related to aggregate conservatism of the site. A good description of the assessment area is necessary to interpret these values. In some cases the user may want to calculate separate values for distinct plant communities on a given site.

Repeated sampling over the course of a growing season will allow the closest approximation of the “true” Mean C and FQI values, but this is not likely to be feasible in many situations. A study of 17 isolated depressional wetlands in Wisconsin, sampled by

the same observer during early July and again in mid-August provides an estimate of the effect of sample timing (Judziewicz, 2002). The effect of adding new species from the second site visit increased the cumulative FQI by an average of 8.9% compared to the first visit, while the cumulative Mean C decreased an average of 2.5%. Judziewicz (2002) concludes that for this set of wetlands a single site visit, conducted between mid-June and late August could be sufficient for reasonable results. Lopez and Fennessy (2002) found an average increase of 15 species from summer sampling to combined summer-autumn sampling and found an average increase of three points in the FQI values, but little change in the relative ranking of sites.

DEVELOPMENT OF THE WFQA

The key to the development of a regional floristic quality assessment method is the *a priori* assignment of the coefficient of conservatism for every native species in the regional flora. At the outset, the theoretical limitations inherent in treating the entire state as a single region were recognized. A decision was made, however, to continue on that basis as the most practical approach to completing the development of the method and avoiding the confusion of a proliferation of regional approaches within the state.

In developing the coefficients of conservatism for Wisconsin, an attempt was made to take full advantage of the expertise of botanists working across the state, while basing the final assignments on the collective effort of a smaller core group working face-to-face. This was done to include the experience of a larger group, and to allow the core group to consider the judgement of those who were familiar with a narrower range of Wisconsin flora, or familiar with a smaller localized areas, rather than the entire state.

At the beginning of the project a forum was held to bring together botanists from around the state to discuss the floristic quality assessment methodology, its advantages and limitations and generate a consensus on the desirability of the project. Anton Reznicek, a participant in development of Michigan's floristic quality assessment, presented Michigan's experience in developing and using the method. Gerould Wilhelm discussed the conceptual basis for floristic quality assessment, his experience assisting other states in developing coefficients of conservatism, and the appropriate uses of the method.

A survey was sent to over 30 botanists asking them to assign coefficients to those plants they know well. An Excel spreadsheet provided by the University of Wisconsin Herbarium from its database of 1,788 vascular plant species that are considered native to Wisconsin was provided. Information on these species is displayed as the "Checklist of the Vascular Plants of Wisconsin" on the following web site:
<http://www.botany.wisc.edu/wisflora/vindex.asp/>.

To establish a consistent basis for assigning coefficients, guidelines accompanied the survey that outlined the concept of conservatism and gave some examples of ranges of conservatism from earlier efforts (Taft, et al. 1997, Herman, et al. 2001). The difficulty of considering the entire state as a single region was acknowledged and examples from the Michigan report on averaging (Herman, et al. 2001) were included in the survey guidelines. Members of the core group were also sent the survey and guidelines and some submitted preliminary coefficients. This helped them prepare for their intensive meeting.

Twelve respondents submitted preliminary coefficients. Survey responses were compiled and summarized. Out of the 1,788 native species, 1,671 species were assigned a coefficient by at least one person, while 116 went unrated. The final coefficient values were assigned by consensus of the core group of seven botanists and field ecologists from across the state, meeting intensively with a facilitator for two consecutive days. The survey results served as a guide to facilitate the final assignment of coefficients.

For each plant species, the group could consider the average “survey coefficient,” the range of survey coefficients, and the number of people who assigned a value. The core group used the survey results, but ultimately based the final assignments on their collective experience with the flora of Wisconsin. Gerould Wilhelm helped the group maintain a consistent focus on the concept of conservatism and aided them in their decisions. For aquatic plants the coefficients assigned previously by a group of aquatic ecologists led by Stanley Nichols were accepted with only a small number of adjustments.

The Wisconsin Floristic Quality Assessment can now be carried out using the coefficient of conservatism values, contained in the table in the Appendix of this report. The table also contains additional plant information: physiognomy, conservation status, and regional wetland indicator status based on the *National List of Plant Species that Occur in Wetlands: 1988 Wisconsin*. Mean Coefficient of conservatism and floristic quality index values can be calculated using the coefficients of conservatism published here and Formulas (1) and (2). Coefficients of conservatism and wetland indicator status for Wisconsin vascular flora are available on the University of Wisconsin-Madison Herbarium’s “Checklist of the Vascular Plants of Wisconsin” at <http://www.botany.wisc.edu/wisflora/vindex.asp/>.

A computer program is being developed to facilitate use of the WFQA. The program will allow users to enter site location data, plant community type (based on Wisconsin Natural Heritage Inventory classification), enter species occurrences from a catalog in an inventory format or by transect/quadrate entry, with options to enter cover and frequency data. The program will generate reports with FQA statistics.

POTENTIAL USES OF THE WFQA

Floristic quality assessment is capable of being used for a number of applications. Swink and Wilhelm (1994) discuss four applications: 1) identification of Natural Areas, 2) comparisons among different sites, 3) long-term monitoring of natural quality, and 4) monitoring of habitat restoration projects. Research interest in using floristic quality assessment statistics to analyze vegetation sample data is also increasing, often with the purpose of demonstrating differences in plant assemblages in response to environmental variables. (Werner and Zedler 2002, Kercher in preparation, Carpenter unpublished data).

The purpose for developing the WFQA in this project is to:

1. provide a plant community-based intensive site assessment method for wetland biological integrity,
2. provide a tool for monitoring plant community response to restoration and management actions, and
3. provide an intensive measure of one component of an impact assessment methodology for regulatory decision making.

WFQA for Assessing Biological Integrity

The EPA National Wetlands Monitoring Workgroup has been preparing a framework for developing wetland monitoring programs to meet the mandate of the Clean Water Act to report on the biological integrity of the waters of the nation (USEPA 2002, in draft). The Working group has endorsed the concept of a Level 1, 2, 3 approach to monitoring. Level 1 is Landscape Assessment relying on coarse, landscape-scale inventory information, typically gathered through remote sensing and preferably displayed in a geographic information systems (GIS) format. Level 2 is Rapid Assessment at the specific wetland site scale, using relatively simple, rapid protocols for the sake of feasibility. Level 2 assessment protocols are to be validated by and calibrated to Level 3 assessments. Level 3 is Intensive Site Assessment using detailed, intensive ecological evaluation methodologies, particularly research-derived, multi-metric indexes of biological integrity.

Floristic quality assessment was originally developed to provide a method for evaluating natural area quality to support conservation management decisions (Wilhelm and Ladd 1988, Swink and Wilhelm 1994). The method relies on the understanding of individual plant species responses to disturbance, and fidelity to habitat integrity within a given region. Methodologies for assessing biological integrity are based on research efforts that identify a stressor-response relationship between levels of human disturbance and elements of the biological system (Karr and Chu 1997).

In general higher Mean C and FQI numbers for a site indicate higher floristic quality and biological integrity and a lower level of disturbance impacts. It is likely, however, that the range of floristic quality assessment values will vary by plant community type, limiting comparisons of sites with divergent types. Rooney and Rogers (2002) have demonstrated this for some Wisconsin plant communities. Matthews (2003) concludes that valid comparison of FQI values for wetland plant communities requires similar type, size, heterogeneity, and time of survey.

The Wisconsin Floristic Quality Assessment can be considered a Level 3 method for assessing the biological integrity of the plant community. To be used as such, additional study of reference wetlands must be conducted to establish the range of WFQA values associated with varying levels of disturbance. Such studies should control for wetland plant community type and hydrogeomorphic setting, following the approach of Lopez and Fennessy (2002). Ecoregional variance should also be analyzed, similar to the process employed by Nichols (2001) in analyzing lake aquatic plant communities.

Another approach to be considered is incorporation of FQA components into a vegetation-based multi-metric biological integrity index. FQ(A)I score and metrics derived from “tolerance ranges” based on coefficient of conservatism ranges have been incorporated into the Ohio Vegetation Indices of Biotic Integrity (Mack, et al. 2001).

Floristic quality assessment should be recognized as **one** indicator of biological integrity based on the response of the plant community to disturbance. Ideally other components of ecosystem response in addition to vegetation should be developed into indices of biological integrity. In Wisconsin, multi-metric indices based on plants, macroinvertebrates, zooplankton, and amphibians have been developed for isolated depressional wetlands (Lillie, et al. 2002). However, we lack methodologies for riverine, slope (saturated soils), and lacustrine wetlands. Development of additional indices for other wetland classes will require additional research. In the absence of Level 3 methodologies for these wetland types, WFQA assessments can serve as the best available indicator of biological integrity, and can be used to calibrate the development of Level 2 Rapid Assessment methodologies.

WFQA for Monitoring Response to Restoration and Management Activities

Floristic Quality Assessment can be valuable for restoration evaluation. It can be applied to mitigation projects that occur as a result of regulatory decisions or for evaluating “voluntary” restoration and management activities undertaken by agencies and non-profit conservation groups.

Floristic quality assessment has been required as a monitoring measure for mitigation projects, and in the Chicago region performance standards have been based on FQI and Mean C values. In reviewing project performance, however, the Mitigation Bank Review Team noted that the FQI values set in performance standards were difficult if not impossible to meet. For this reason they no longer use FQA scores as performance

standards for mitigation banking projects (Elston, personal communication). Swink and Wilhelm reported that for habitat restoration projects Mean C and FQI values are initially very low, tend to rise steadily in the first years, and tend to stabilize after 4-5 years, with Mean C values between 3.0 and 3.7, and FQI values between 25 and 35 (Swink and Wilhelm, 1994). Mushet, et al. (2002) noted in their study of restored and natural wetland complexes, that restored wetlands rarely exceeded FQI values of 22 while the FQI of natural wetlands in the study rarely dipped below 22. Wilhelm (1993) has suggested that in the Chicago region sites with FQI values above 35 are not “mitigatable” because restoration projects are unlikely to achieve the floristic quality of the site under consideration for a permitted impact. With sufficient reference data it appears that FQA values can be used as one factor both in evaluating permit decisions and setting realistic expectations for compensatory mitigation projects.

Floristic Quality Assessment can also be used to monitor the plant community response to management actions, such as controlled burning. It can be used to track restoration projects, or management of natural areas. The FQA can be used in conjunction with a suite of sampling options, from repeated general site inventories to more quantitative transect designs. Some of these are described in Swink and Wilhelm (1994). With transect studies, additional parameters can be studied, such as calculating a Mean C and FQI for each quadrat, developing the average of these values for a transect and comparing quadrat values to transect values to determine floristic quality across a gradient.

WFQA for Impact Assessment in Regulatory Decision Making

Floristic Quality Assessment results, based on the coefficients developed by Swink and Wilhelm for the Chicago Region (1994) have been reported by consultants as part of impact assessment and evaluations of functional significance of wetlands subject to a permit application or environmental review. The Chicago Region as defined by Swink and Wilhelm includes three southeastern Wisconsin counties. WFQA results will be based on coefficients developed for the entire state. When properly interpreted, they can provide valuable information on the plant community quality and can serve as an indicator of overall ecological integrity. WFQA results can supplement or help document the significance rating of floristic diversity in the Wisconsin Rapid Assessment Methodology. Sampling date and methods must be considered when interpreting results.

WFQA results cannot provide the sole basis for impact analysis for regulatory decisions, because other functions and values must be considered as well as floristic quality. WFQA is not intended to directly assess other wetland functions and values, such as habitat for aquatic life and other wildlife, shoreline stabilization, water quality maintenance, flood and storm water attenuation, and human uses.

ADVANTAGES AND LIMITATIONS OF THE WFQA

The WFQA methodology can be most appropriately used with an understanding of its advantages and acknowledgment of its limitations. These are summarized below.

Advantages

Coupled with accurate, timely, and complete vegetation sampling WFQA offers:

1. A consistent, quantitative measure of plant community integrity.
2. A method that can be used in any plant community (IBI methods are necessarily restricted to a class of similar habitats).
3. A repeatable method that can be used to assess trends.
4. A subjective but expert-based system. Coefficients of conservatism are based on the collective knowledge of those familiar with a regional flora.
5. A simple method that does not require extensive sampling equipment or laboratory processing.
6. A method that can be applied to existing data, such as plant inventories.

Limitations

1. Floristic quality is one aspect of ecological condition; the aggregate conservatism of the plant community. WFQA does not directly assess wildlife habitat structure – some wildlife species can thrive in sites with degraded plant communities. WFQA does not directly assess all wetland functions or human use values. For these reasons WFQA should not be used as a stand-alone method for regulatory purposes.
2. Comparability of results across wetland types is limited. Some wetland types, such as temporary ponds, may have naturally low plant diversity. Lopez and Fennessy (2002) have suggested the need to narrowly define the hydrogeomorphic class in testing the relationship between index scores and a disturbance gradient. This suggests caution in comparing FQI and Mean C scores across wetland types and landscape settings.
3. Results may be strongly affected by observer expertise, restricting the comparability of results between observers of different skill levels. The level of skill required for acceptable results is still unknown. More skilled observers are likely to identify more species and therefore generate higher FQI values. More skilled observers are also likely to find the more conservative species, and would tend to generate higher Mean C values.

4. The time of year and intensity of sampling affect results. Many species will not be observable or identifiable by even the most skilled observer at certain times of the year. Repeated sampling over the course of a growing season will allow the closest approximation of the “true” Mean C and FQI values, but this is not likely to be feasible in many situations.

RECOMMENDATIONS FOR IMPLEMENTATION

This author recommends the use of WFQA for assessing ambient wetland biological condition, for monitoring the effects of restoration and management actions, and for assessing vegetative integrity as part of a functions and values assessment. Several important steps remain to be taken to implement the use of the WFQA. There is a need to:

1. Test its consistency with other biological assessment methodologies.

As a follow-up to this project, the Wisconsin DNR is currently carrying out a study comparing the results generated by employing the Depressional Wisconsin Wetland Multi Metric Index of Biological Integrity (Depressional WWMBI) and the WFQA on a set of 17 wetlands. Results will be reported in 2003.

2. Test its feasibility of use.

Several questions about the feasibility of using the WFQA in a monitoring program need to be resolved to better understand how to deploy the method and interpret results. These include the effect of time of year of sampling and observer expertise, and comparability of types from different regions of the state. Though these effects have been reported (Rogers and Rooney, 2002, Judziewicz 2002, Kline, unpublished data 2002) the strength of these effects is not well understood.

3. Account for and control sources of variability in designing future monitoring studies using the WFQA, especially for trends monitoring.

To the extent possible, when attempting to use WFQA to assess trends, or compare floristic quality among sites, results from the same observer or observers with equivalent expertise should be used, and the sampling methods and area should be consistent. Repeat sampling to assess trends should be done as close as possible to the same date as baseline sampling.

4. Provide a computer program to easily calculate FQA statistics.

As of this writing a computer program is being developed to calculate floristic quality parameters and is being tested. This program should be made widely available, so that users have a convenient and consistent means of calculating FQA parameters, generated from a single set of conservatism coefficients, based on a single authoritative flora for the state.

5. Develop a database of FQA site values.

FQA parameters are relative values and gain meaning only in relation to baseline and reference data. In order to understand the significance of the Mean C and FQI for a site, the evaluator must know the range of values for that plant community and hydrogeomorphic type in that region. For example, the Mean C and FQI values for a sedge meadow in Waukesha County gain some meaning if one knows the range of Mean C values across the state, and greater meaning if one knows the range of values for sites in the ecoregion of occurrence. There is a need to collect FQA site values as investigations using the method are carried out, whether by the Wisconsin DNR or others, as long as the quality aspects of the data are known, such as the expertise of the observer, the time of observations, and the sampling method used.

A good start to developing the database can be made simply by re-evaluating existing data of known quality and sufficient documentation of site characteristics. Coefficients of conservatism can be applied to existing plant inventory data of known quality to calculate FQA parameters. Much of the higher quality data from highly qualified botanists exist in the files of agencies conducting land inventories especially for those evaluating natural heritage value. It will be important to set criteria for defining plant communities. Site location data and site descriptions can be used to allow analysis by ecoregion and potentially hydrogeomorphic type. The Wisconsin DNR intends to develop a database of FQA site values by re-evaluating existing data, soliciting data from cooperating investigators using the FQA methodology, and by carrying out studies as funding becomes available.

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Appendix

The Wisconsin Floristic Quality Assessment can now be carried out using the coefficient of conservatism values, contained in the table in this Appendix. The table contains:

- 1) scientific and common names for all Wisconsin vascular plants (Full scientific names may be truncated when space is limited. Species not native to Wisconsin are capitalized),
- 2) the coefficient of conservatism values discussed in this report,
- 3) regional wetland indicator status based on the *National List of Plant Species that Occur in Wetlands: 1988 Wisconsin*,
- 4) conservation status based on the Natural Heritage Inventory working list, and
- 5) physiognomy (growth form).

Mean Coefficient of conservatism and floristic quality index values can be calculated using the coefficients of conservatism published here and Formulas (1) and (2) found elsewhere in this report.

Scientific Name	Common Name	Cof C	Region 3	E/T/SC	Growth Form
<i>Abies balsamea</i> (L.) Mill.	Balsam fir	5	FACW		Tree
ABUTILON THEOPHRASTI MEDIK.	Piemarker		FACU-		Forb
ACALYPHA GRACILENS A.GRAY SUBSP. GRACILENS	short-stalk copper-leaf				Forb
<i>Acalypha rhomboidea</i> Raf.	rhombic copper-leaf	0	FACU		Forb
ACER GINNALA MAXIM.	Amur maple				Tree
<i>Acer negundo</i> L.	box elder	0	FACW-		Tree
<i>Acer nigrum</i> F.Michx.	black maple	5			Tree
<i>Acer pensylvanicum</i> L.	striped maple	6	FACU	C	Tree
ACER PLATANOIDES L.	Norway maple				Tree
<i>Acer rubrum</i> L. var. <i>rubrum</i>	red maple	3	FAC		Tree
<i>Acer saccharinum</i> L.	silver maple	2	FACW		Tree
<i>Acer saccharum</i> Marshall var. <i>saccharum</i>	sugar maple	5	FACU		Tree
<i>Acer spicatum</i> Lam.	mountain maple	6	FACU*		Tree/Shrub
<i>Acer X freemanii</i> E.Murray	Freeman's maple	3			Tree
<i>Achillea millefolium</i> L.	common yarrow	1	FACU		Forb
ACHILLEA PTARMICA L.	sneezeweed				Forb
ACINOS ARVENSIS (LAM.) DANDY	basil-thyme				Forb
<i>Aconitum columbianum</i> Nutt. subsp. <i>columbianum</i>	Columbian monk's-hood	10	NI	T	Forb
ACONITUM NAPELLUS L.	Venus'-chariot				Forb
<i>Acorus americanus</i> (Raf.) Raf.	sweet-flag	7			Forb
ACORUS CALAMUS L.	sweet-flag		OBL		Aquatic
<i>Actaea pachypoda</i> Elliott	white baneberry	6			Forb
<i>Actaea rubra</i> (Aiton) Willd.	red baneberry	7			Forb
<i>Adiantum pedatum</i> L.	northern maidenhair fern	7	FAC-		Fern
<i>Adlumia fungosa</i> (Aiton) Greene ex Britton; Sterns & Poggenb.	climbing fumitory	7		C	Herb. Vine
<i>Adoxa moschatellina</i> L.	moschatel	10	FAC	T	Forb
AEGOPODIUM PODAGRARIA L.	bishop's gout-weed		FAC		Forb
AESCULUS GLABRA WILLD. VAR. GLABRA	Ohio buckeye		FAC+		Tree
AETHUSA CYNAPIUM L.	fool's-parsley				Forb
<i>Agalinis aspera</i> (Douglas ex Benth.) Britton	rough foxglove	7	FAC-		Forb
<i>Agalinis gattingeri</i> (Small) Small	round-stem foxglove	8		T	Forb
<i>Agalinis paupercula</i> (A.Gray) Britton	small-flowered foxglove	7	OBL		Forb
<i>Agalinis purpurea</i> (L.) Pennell	purple foxglove	7	FACW		Forb
<i>Agalinis skinneriana</i> (A.W.Wood) Britton	pale foxglove	9		E	Forb
<i>Agalinis tenuifolia</i> (Vahl) Raf.	common agalinis	6	FACW		Forb
<i>Agastache foeniculum</i> (Pursh) Kuntze	blue giant hyssop	6			Forb
<i>Agastache nepetoides</i> (L.) Kuntze	catnip giant hyssop	5	FACU	T	Forb
<i>Agastache scrophulariaefolia</i> (Willd.) Kuntze	figwort giant hyssop	4			Forb
<i>Agrimonia gryposepala</i> Wallr.	common agrimony	2	FACU+		Forb

Scientific Name	Common Name	Cof C	Region 3	E/T/SC	Growth Form
<i>Agrimonia parviflora</i> Aiton	swamp agrimony	4	FAC+	C	Forb
<i>Agrimonia pubescens</i> Wallr.	downy agrimony	5			Forb
<i>Agrimonia striata</i> Michx.	grooved agrimony	3	FAC-		Forb
AGROPYRON DESERTORUM (FISCH. EX LINK) SCHULT.	desert wheat grass				Grass
AGROSTEMMA GITHAGO L.	corn cockle				Forb
AGROSTIS GIGANTEA ROTH	redtop		NI		Grass
<i>Agrostis hyemalis</i> (Walter) Britton; Sterns & Poggenb.	winter bent grass	4	FAC-		Grass
<i>Agrostis perennans</i> (Walter) Tuck. var. <i>perennans</i>	upland bent grass	4	FAC-		Grass
AGROSTIS STOLONIFERA L.	creeping bent grass		FACW		Grass
AILANTHUS ALTISSIMA (MILL.) SWINGLE	tree-of-heaven		NI		Tree
AJUGA GENEVENSIS L.	blue bugle				Forb
AJUGA REPTANS L.	common bugle				Forb
ALCEA FICIFOLIA L.	Antwerp hollyhock				Forb
ALCEA ROSEA L.	hollyhock				Forb
ALCHEMILLA MONTICOLA OPIZ	hairy lady's-mantle				Forb
<i>Aletris farinosa</i> L.	white colic-root	9	FAC		Forb
<i>Alisma gramineum</i> Lej.	grass-leaved water-plantain	5	OBL		Aquatic
<i>Alisma subcordatum</i> Raf.	American water-plantain	3	OBL		Aquatic
<i>Alisma triviale</i> Pursh	northern water-plantain	4			Aquatic
ALLIARIA PETIOLATA (M.BIEB.) CAVARA & GRANDE	garlic mustard		FAC		Forb
<i>Allium canadense</i> L. var. <i>canadense</i>	wild onion	4	FACU		Forb
ALLIUM CEPA L.	garden onion				Forb
<i>Allium cernuum</i> Roth	nodding wild onion	7			Forb
ALLIUM SATIVUM L.	cultivated garlic				Forb
ALLIUM SCHOENOPRASUM L. VAR. SCHOENOPRASUM	chives		FAC+		Forb
<i>Allium stellatum</i> Ker Gawl.	wild onion	9			Forb
<i>Allium tricoccum</i> Aiton	wild leek	6	FACU+		Forb
ALLIUM TUBEROSUM ROTTLER EX SPRENG.	Chinese chives				Forb
ALNUS GLUTINOSA (L.) GAERTN.	European alder		FACW-		Tree
<i>Alnus incana</i> (L.) Moench subsp. <i>rugosa</i> (Du Roi) R.T.Clausen	swamp alder	4	OBL		Tree/Shrub
<i>Alnus viridis</i> (Vill.) DC. subsp. <i>crispa</i> (Aiton) Turrill	American green alder	8	FAC		Shrub
<i>Alopecurus aequalis</i> Sobol.	short-awned foxtail	4	OBL		Grass
ALOPECURUS CAROLINIANUS WALTER	annual foxtail		FACW		Grass
ALOPECURUS GENICULATUS L.	marsh foxtail		OBL		Grass
ALOPECURUS PRATENSIS L.	meadow foxtail		FACW		Grass
ALTHAEA OFFICINALIS L.	common marsh mallow		NI		Forb
ALYSSUM ALYSSOIDES (L.) L.	pale alyssum				Forb
<i>Amaranthus albus</i> L.	prostrate pigweed	0	FACU		Forb

Scientific Name	Common Name	Cof C	Region 3	E/T/SC	Growth Form
AMARANTHUS ARENICOLA I.M.JOHNST.	sand-hills amaranth		FACU		Forb
AMARANTHUS BLITOIDES S.WATSON	creeping amaranth		NI		Forb
AMARANTHUS CAUDATUS L.	love-lies-bleeding				Forb
AMARANTHUS CRUENTUS L.	purple amaranth				Forb
AMARANTHUS HYBRIDUS L.	green amaranth				Forb
AMARANTHUS HYPOCHONDRIACUS L.	Prince-of-Wales'-feather				Forb
AMARANTHUS POWELLII S.WATSON	tall amaranth				Forb
Amaranthus retroflexus L.	pigweed	0	FACU+		Forb
Amaranthus rudis J.D.Sauer	water-hemp	0	FACW		Forb
AMARANTHUS SPINOSUS L.	spiny amaranth		FACU		Forb
Amaranthus tuberculatus (Moq.) J.D.Sauer	rough-fruited amaranth	3	OBL		Forb
Ambrosia artemisiifolia L.	common ragweed	0	FACU		Forb
Ambrosia psilostachya DC.	perennial ragweed	2	FAC-		Forb
AMBROSIA TOMENTOSA NUTT.	bur ragweed				Forb
Ambrosia trifida L. var. trifida	giant ragweed	0	FAC+		Forb
Ambrosia X intergradiens W.H.Wagner	intergrading ragweed				Forb
Amelanchier arborea (F.Michx.) Fernald	common serviceberry	6	FACU		Shrub
Amelanchier bartramiana (Tausch) M.Roem.	mountain serviceberry	8	FAC		Shrub
Amelanchier interior Nielsen	Pacific serviceberry	7			Shrub
Amelanchier laevis Wiegand	Allegheny serviceberry	6			Shrub
Amelanchier sanguinea (Pursh) DC. var. sanguinea	New England serviceberry	7			Shrub
Amelanchier spicata (Lam.) K.Koch	dwarf serviceberry	5	FACU		Shrub
AMELANCHIER X NEGLECTA EGGL. EX G.N.JONES (PRO SP.)	serviceberry				Tree
Amerorchis rotundifolia (Banks ex Pursh) Hultén	round-leaved orchid	10	OBL	T	Forb
Ammannia robusta Heer & Regel	grand red-stem	3			Forb
Ammophila breviligulata Fernald	American beach-grass	10	UPL*		Grass
Amorpha canescens Pursh	lead-plant	7			Shrub
Amorpha fruticosa L.	indigo	6	FACW+		Shrub
AMPELOPSIS BREVIPELUNCULATA (MAXIM.) TRAUTV.	Amur pepper-vine				Woody Vine
Amphicarpaea bracteata (L.) Fernald	American hog-peanut	5	FAC		Herb. Vine
AMSINCKIA LYCOPSOIDES LEHM.	tarweed fiddle-neck				Forb
ANAGALLIS ARVENSIS L.	scarlet pimpernel		NI		Forb
Anaphalis margaritacea (L.) Benth. & Hook.f.	pearly everlasting	3			Forb
ANCHUSA ARVENSIS (L.) M.BIEB.	Annual bugloss				Forb

Scientific Name	Common Name	Cof C	Region 3	E/T/SC	Growth Form
ANCHUSA OFFICINALIS L.	common alkanet				Forb
Andromeda glaucophylla Link	bog-rosemary	10	OBL		Shrub
Andropogon gerardii Vitman	big blue-stem	4	FAC-		Grass
Androsace occidentalis Pursh	western androsace	4	FACU-		Forb
Anemone acutiloba (DC.) G.Lawson	sharp-lobed hepatica	7			Forb
Anemone americana (DC.) H.Hara	round-lobed hepatica	7			Forb
Anemone canadensis L.	Canada anemone	4	FACW		Forb
Anemone caroliniana Walter	Carolina anemone	10		E	Forb
Anemone cylindrica A.Gray	candle anemone	6			Forb
Anemone multifida Poir. var. multifida	Pacific anemone	10		E	Forb
Anemone patens L. var. multifida Pritz.	American pasqueflower	7			Forb
Anemone quinquefolia L. var. quinquefolia	wood anemone	6	FAC*		Forb
Anemone virginiana L.	tall anemone	5	NI		Forb
ANETHUM GRAVEOLENS L.	dill				Forb
Angelica atropurpurea L.	common great angelica	6	OBL		Forb
Antennaria howellii Greene	Howell's pussy-toes	2			Forb
Antennaria neglecta Greene	field pussy-toes	3			Forb
Antennaria parlinii Fernald	Parlin's pussy-toes	3			Forb
Antennaria plantaginifolia (L.) Richardson	plantain-leaved pussy-toes	3			Forb
ANTHEMIS ARVENSIS L.	corn chamomile				Forb
ANTHEMIS COTULA L.	stinking-cotula		FACU		Forb
ANTHEMIS TINCTORIA L.	yellow chamomile				Forb
ANTHOXANTHUM ODORATUM L.	sweet vernal grass		FACU		Grass
ANTHRISCUS SYLVESTRIS (L.) HOFFM.	wild chervil				Forb
ANTHYLLIS VULNERARIA L.	common kidney-vetch				Forb
ANTIRRHINUM MAJUS L.	common snapdragon				Forb
APERIA INTERRUPTA (L.) P.BEAUV.	silky bent grass				Grass
Apios americana Medik.	common groundnut	5	FACW		Herb. Vine
Aplectrum hyemale (Muhl. ex Willd.) Torr.	Adam-and-Eve	10	FAC-		Forb
Apocynum androsaemifolium L.	spreading dogbane	2			Forb
Apocynum cannabinum L.	hemp-dogbane	3	FAC		Forb
Apocynum sibiricum Jacq.	clasping dogbane	3	FAC+		Forb
Apocynum X floribundum Greene (pro sp.)	hybrid dogbane				Forb
Aquilegia canadensis L.	Canadian columbine	5	FAC-		Forb
AQUILEGIA VULGARIS L.	European columbine				Forb
ARABIDOPSIS THALIANA (L.) HEYNH.	mouse-ear-cress				Forb
Arabis canadensis L.	sickle-pod	7			Forb
ARABIS CAUCASICA WILLD.	wall rock-cress				Forb
Arabis divaricarpa A.Nelson	spreading-pod rock-cress	6	FACU		Forb
Arabis drummondii A.Gray	Drummond's rock-cress	6	FACU		Forb

Scientific Name	Common Name	Cof C	Region 3	E/T/SC	Growth Form
<i>Arabis glabra</i> (L.) Bernh.	tower mustard	5			Forb
<i>Arabis hirsuta</i> (L.) Scop.	hairy rock-cress	6	FACU		Forb
<i>Arabis laevigata</i> (Muhl. ex Willd.) Poir. var. <i>laevigata</i>	smooth rock-cress	5			Forb
<i>Arabis lyrata</i> L.	lyrate rock-cress	4	FACU-		Forb
<i>Arabis missouriensis</i> Greene	Missouri rock-cress	7		C	Forb
<i>Arabis shortii</i> (Fernald) Gleason	Short's rock-cress	7		C	Forb
ARALIA ELATA (MIQ.) SEEM.	Hercules-club				Shrub
<i>Aralia hispida</i> Vent.	bristly sarsaparilla	5			Forb
<i>Aralia nudicaulis</i> L.	wild sarsaparilla	6	FACU		Forb
<i>Aralia racemosa</i> L.	American spikenard	7			Forb
<i>Arceuthobium pusillum</i> Peck	eastern dwarf mistletoe	10			Shrub
ARCTIUM LAPPA L.	great burdock				Forb
ARCTIUM MINUS BERNH.	common burdock				Forb
ARCTIUM TOMENTOSUM MILL.	hairy burdock				Forb
<i>Arctostaphylos uva-ursi</i> (L.) Spreng.	bearberry; kinnickinnick	7	UPL		Shrub
<i>Arenaria lateriflora</i> L.	wood sandwort	6	FACU*		Forb
<i>Arenaria macrophylla</i> Hook.	large-leaved sandwort	10		E	Forb
ARENARIA SERPYLLIFOLIA L.	thyme-leaved sandwort		FAC		Forb
<i>Arenaria stricta</i> Michx.	rock sandwort	7			Forb
<i>Arethusa bulbosa</i> L.	swamp-pink	10	OBL	C	Forb
ARGEMONE ALBIFLORA HORNEM. SUBSP. ALBIFLORA	blue-stem prickly poppy				Forb
<i>Argentina anserina</i> (L.) Rydb.	silver-weed	4	FACW+		Shrub
<i>Arisaema dracontium</i> (L.) Schott	green dragon	8	FACW		Forb
<i>Arisaema triphyllum</i> (L.) Schott subsp. <i>triphyllum</i>	Jack-in-the-pulpit	5	FACW-		Forb
<i>Aristida basiramea</i> Engelm. ex Vasey	fork-tip three-awn grass	3			Grass
<i>Aristida dichotoma</i> Michx.	church-mouse three-awn	8	FACU	C	Grass
<i>Aristida longespica</i> Poir. var. <i>geniculata</i> (Raf.) Fernald	red three-awn	5	FACU-		Grass
<i>Aristida oligantha</i> Michx.	plains three-awn grass	0			Grass
<i>Aristida purpurascens</i> Poir.	arrow-feather	4			Grass
<i>Aristida tuberculosa</i> Nutt.	beach three-awn	8			Grass
<i>Armoracia lacustris</i> (A.Gray) Al- Shehbaz & V.M.Bates	lake cress	9	OBL	E	Forb
ARMORACIA RUSTICANA P.GAERTN.; B.MEY. & SCHERB.	horseradish		FAC*		Forb
<i>Arnoglossum atriplicifolium</i> (L.) H.Rob.	pale Indian-plantain	4			Forb
<i>Arnoglossum plantagineum</i> Raf.	prairie Indian-plantain	8	FAC	T	Forb
<i>Arnoglossum reniforme</i> (Hook.) H.Rob.	great Indian-plantain	8		C	Forb
<i>Aronia melanocarpa</i> (Michx.) Elliott	black chokeberry	7	FACW-		Shrub
<i>Aronia X prunifolia</i> (Marshall) Rehder (pro sp.)	black chokecherry		FACW		Shrub
ARRHENATHERUM ELATIUS (L.) P.BEAUV. EX J.PRESL & C.PRESL VAR. ELATIUS	tall oat grass		FACU		Grass

Scientific Name	Common Name	Cof C	Region 3	E/T/SC	Growth Form
ARTEMISIA ABSINTHIUM L.	absinth sage-wort				Forb
ARTEMISIA ANNUA L.	annual sage-wort		FACU		Forb
ARTEMISIA BIENNIS WILLD.	biennial sage-wort		FACW-		Forb
Artemisia campestris L. subsp. caudata (Michx.) H.M.Hall & Clem.	field sage-wort	4			Forb
Artemisia dracunculus L.	dragon sage-wort	7		C	Forb
Artemisia frigida Willd.	fringed sage-wort	9		C	Forb
Artemisia ludoviciana Nutt. subsp. ludoviciana	Louisiana sage-wort	3	UPL		Forb
ARTEMISIA PONTICA L.	Roman wormwood				Forb
Artemisia serrata Nutt.	saw-leaf mugwort	6			Forb
ARTEMISIA STELLERIANA BESSER	beach sage-wort		FACU-		Forb
ARTEMISIA VULGARIS L.	sage-wort				Forb
ARUNCUS DIOICUS (WALTER) FERNALD VAR. ACUMINATUS (RYDB.) RYDB. EX HARA	goat's-beard		FACU		Forb
Asarum canadense L.	Canadian wild-ginger	7			Forb
Asclepias amplexicaulis Sm.	clasping milkweed	8			Forb
Asclepias exaltata L.	tall milkweed	7	NI		Forb
Asclepias hirtella (Pennell) Woodson	prairie milkweed	7	UPL		Forb
Asclepias incarnata L. subsp. incarnata	swamp milkweed	5	OBL		Forb
Asclepias lanuginosa Nutt.	woolly milkweed	9		T	Forb
Asclepias meadii Torr. ex A.Gray	Mead's milkweed	10			Forb
Asclepias ovalifolia Decne.	dwarf milkweed	8		T	Forb
Asclepias purpurascens L.	purple milkweed	9	FACU	E	Forb
ASCLEPIAS SPECIOSA TORR.	showy milkweed		FAC		Forb
Asclepias sullivantii Engelm. ex A.Gray	smooth milkweed	8		T	Forb
Asclepias syriaca L.	common milkweed	1			Forb
Asclepias tuberosa L. subsp. interior Woodson	butterfly milkweed	6			Forb
Asclepias verticillata L.	whorled milkweed	2			Forb
Asclepias viridiflora Raf.	short green milkweed	9			Forb
ASPARAGUS OFFICINALIS L.	asparagus		FACU		Forb
Asplenium pinnatifidum Nutt.	lobed spleenwort	10		T	Fern
Asplenium platyneuron (L.) Britton; Sterns & Poggenb.	ebony spleenwort	4	FACU		Fern
Asplenium rhizophyllum L.	walking fern	10			Fern
Asplenium trichomanes L.	maidenhair spleenwort	10		C	Fern
Asplenium trichomanes-ramosum L.	bright-green spleenwort	10	UPL	E	Fern
Aster borealis (Torr. & A.Gray) Prov.	northern bog aster	10	OBL		Forb
Aster ciliolatus Lindl.	Lindley's aster	4			Forb
Aster cordifolius L.	common blue wood aster	6			Forb
Aster drummondii Lindl.	Drummond's aster	4			Forb
Aster dumosus L. var. strictior Torr. & A.Gray	bushy aster	8	FAC+	C	Forb

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Aster dumosus L. var. strictior Torr. & A.Gray X A. lanceolatus Willd. var. interior (Wiegand) A.G.Jones					Forb
Aster ericoides L.	heath aster	4	FACU-		Forb
Aster falcatus Lindl. var. commutatus (Torr. & A.Gray) A.G.Jones	white prairie aster	5	FAC-		Forb
Aster firmus Nees	shining aster	6	FACW+		Forb
Aster fragilis Willd. var. subdumosus (Wiegand) A.G.Jones	fragile-stemmed aster	8		C	Forb
Aster furcatus E.S.Burgess	forked aster	8		T	Forb
Aster hesperius A.Gray	Western lined aster	5	OBL		Forb
Aster laevis L. var. laevis	smooth aster	6			Forb
Aster laevis L. X A. lanceolatus Willd.					Forb
Aster laevis L. X A. lateriflorus (L.) Britton					Forb
Aster laevis L. X A. oolentangiensis Riddell					Forb
Aster laevis L. X A. pilosus Willd.					Forb
Aster laevis L. X A. puniceus L.					Forb
Aster lanceolatus Willd.	white panicle aster	4			Forb
Aster lateriflorus (L.) Britton	calico aster	3	FACW-		Forb
Aster linariifolius L.	stiff aster	8			Forb
Aster longifolius Lam.	long-leaved aster	9		C	Forb
Aster macrophyllus L.	big-leaved aster	4			Forb
Aster novae-angliae L.	New England aster	3	FACW		Forb
Aster oblongifolius Nutt.	aromatic aster	6			Forb
Aster ontarionis Wiegand	bottomland aster	6	FAC		Forb
Aster oolentangiensis Riddell	sky-blue aster	5			Forb
Aster pilosus Willd.	awl aster	1	FACU+		Forb
Aster pilosus Willd. var. pringlei (A.Gray) S.F.Blake	awl aster	7			Forb
Aster praealtus Poir.	willow aster	6	FACW		Forb
Aster prenanthoides Muhl. ex Willd.	crooked aster	9	FAC		Forb
Aster puniceus L.	swamp aster	5	OBL		Forb
Aster sagittifolius Wedem. ex Willd.	arrow-leaved aster	3			Forb
Aster sericeus Vent.	silky aster	8			Forb
Aster shortii Lindl.	Short's aster	7			Forb
Aster umbellatus Mill.	flat-top aster	6	FACW		Forb
Aster X amethystinus Nutt. (pro sp.)	amethyst aster	6			Forb
Aster X finkii Rydb. (pro sp.)					Forb
Aster X longulus E.Sheld. (pro sp.)					Forb
Astragalus alpinus L. var. alpinus	alpine milk-vetch	10	FAC	E	Forb
Astragalus canadensis L. var. canadensis	Canadian milk-vetch	8	FAC+		Forb
ASTRAGALUS CICER L.	chickpea milk-vetch				Forb
Astragalus crassicarpus Nutt. var. crassicarpus	ground-plum	10		E	Forb

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Astragalus neglectus (Torr. & A.Gray) E.Sheld.	Cooper's milk-vetch	9	FACU-	E	Forb
Athyrium filix-femina (L.) Roth ex Mert. var. angustum (Willd.) G.Lawson	common lady fern	5	FAC		Fern
ATRIPLEX HORTENSIS L.	garden orache		FAC		Forb
ATRIPLEX PATULA L. SUBSP. PATULA	common orache		FACW-		Forb
ATRIPLEX PROSTRATA BOUCHER EX DC.	triangle orache		NI		Forb
ATRIPLEX ROSEA L.	red orache		FACU+		Forb
Aureolaria grandiflora (Benth.) Pennell var. pulchra Pennell	large-flowered yellow foxglove	8			Forb
Aureolaria pedicularia (L.) Raf.	annual foxglove	7			Forb
AVENA FATUA L.	wild oats				Grass
AVENA SATIVA L.	oats				Grass
Azolla caroliniana Willd.	Carolina mosquito-fern	10	OBL		Fern
Azolla mexicana C.Presl	Mexican azolla	10	OBL		Fern
Bacopa rotundifolia (Michx.) Wettst.	disc water-hyssop	5	OBL		Forb
BALLOTA NIGRA L.	black horehound				Forb
BALSAMITA MAJOR DESF.	mint-geranium				Forb
Baptisia alba (L.) Vent. var. macrophylla (Larisey) Isely	white wild indigo	8	FACU*		Forb
BAPTISIA AUSTRALIS (L.) R.BR. EX W.T.AITON	blue indigo				Forb
Baptisia bracteata Muhl. ex Elliott var. glabrescens (Larisey) Isely	plains wild indigo	7			Forb
Baptisia tinctoria (L.) R.Br. ex W.T.Aiton	horsefly-weed	10		C	Forb
Barbarea orthoceras Ledeb.	American yellow-rocket		OBL		Forb
BARBAREA VULGARIS R.BR.	winter-cress		FAC		Forb
Bartonia paniculata (Michx.) Muhl.	twining screw-stem	7	OBL	C	Herb. Vine
Bartonia virginica (L.) Britton; Sterns & Poggenb.	Virginia bartonia	8	FACW+	C	Forb
BECKMANNIA SYZIGACHNE (STEUD.) FERNALD	American slough grass		OBL		Grass
BELAMCANDA CHINENSIS (L.) DC.	leopard-flower				Forb
BELLIS PERENNIS L.	English daisy				Forb
BERBERIS THUNBERGII DC.	Japanese barberry		FACU-		Shrub
BERBERIS VULGARIS L.	Common barberry		FACU		Shrub
BERTEROA INCANA (L.) DC.	hoary madwort				Forb
Berula erecta (Huds.) Coville	cut-leaved water-parsnip	10	OBL		Aquatic
Besseyia bullii (Eaton) Rydb.	kitten's-tails	9		T	Forb
Betula alleghaniensis Britton	yellow birch	7	FAC		Tree
Betula cordifolia Regel	mountain white birch	3			Tree
Betula nigra L.	river birch	6	FACW		Tree
Betula papyrifera Marshall	paper birch	3	FACU+		Tree
BETULA PENDULA ROTH	weeping birch				Tree
Betula pumila L.	swamp birch	7	OBL		Shrub

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<i>Betula X purpusii</i> C.K.Schneid.	Purpus' birch		OBL		Tree
<i>Betula X sandbergii</i> Britton	Sandberg's birch	7	OBL		Tree
<i>Bidens aristosus</i> (Michx.) Britton	swamp marigold	2	FACW		Forb
<i>Bidens cernuus</i> L.	nodding beggar-ticks	4	OBL		Forb
<i>Bidens comosus</i> (A.Gray) Wiegand	swamp tickseed	5	OBL		Forb
<i>Bidens connatus</i> Muhl. ex Willd.	purple-stemmed tickseed	6	OBL		Forb
<i>Bidens coronatus</i> (L.) Britton	tall swamp marigold	7	OBL		Forb
<i>Bidens discoideus</i> (Torr. & A.Gray) Britton	swamp beggar-ticks	8	FACW		Forb
<i>Bidens frondosus</i> L.	common beggar-ticks	1	FACW		Forb
<i>BIDENS PILOSA</i> L.	Spanish needles				Forb
<i>Bidens vulgatus</i> Greene	big devil's beggar-ticks	1			Forb
<i>Blephilia ciliata</i> (L.) Benth.	downy pagoda-plant	7			Forb
<i>Blephilia hirsuta</i> (Pursh) Benth. var. <i>hirsuta</i>	hairy pagoda-plant	7	FACU*		Forb
<i>Boehmeria cylindrica</i> (L.) Sw.	small-spike nettle	6	OBL		Forb
<i>Bolboschoenus fluviatilis</i> (Torr.) Soják	river bulrush	6	OBL		Sedge
<i>Boltonia asteroides</i> (L.) L'Hér. var. <i>recognita</i> (Fernald & Griscom) Cronquist	aster	7	FACW		Forb
<i>Botrychium campestre</i> W.H.Wagner & Farrar	prairie moonwort	10		E	Fern
<i>Botrychium dissectum</i> Spreng.	cut-leaved grape fern	4	FAC		Fern
<i>Botrychium lanceolatum</i> (S.G.Gmel.) Ångstr. subsp. <i>angustisegmentum</i> (Pease & A.H.Moore) R.T.Clausen	lance-leaved grape fern	8	FACW		Fern
<i>Botrychium lunaria</i> (L.) Sw.	common moonwort	9	FACW	E	Fern
<i>Botrychium matricariifolium</i> (Döll) A.Braun ex W.D.J.Koch	daisy-leaf grape fern	5	FACU		Fern
<i>Botrychium minganense</i> Vict.	Mingan moonwort	8		C	Fern
<i>Botrychium mormo</i> W.H.Wagner	goblin fern	9		E	Fern
<i>Botrychium multifidum</i> (S.G.Gmel.) Rupr.	leathery grape fern	4	FACU		Fern
<i>Botrychium oneidense</i> (Gilbert) House	blunt-lobed grape fern	9		C	Fern
<i>Botrychium rugulosum</i> W.H.Wagner	St. Lawrence grape fern	8		C	Fern
<i>Botrychium simplex</i> E.Hitchc.	small grape fern	6	FAC		Fern
<i>Botrychium spathulatum</i> W.H.Wagner	spatulate moonwort	10		C	Fern
<i>Botrychium virginianum</i> (L.) Sw.	rattlesnake fern	6	FACU		Fern
<i>Bouteloua curtipendula</i> (Michx.) Torr. var. <i>curtipendula</i>	side-oats grama	6			Grass
<i>BOUTELOUA GRACILIS</i> (WILLD. EX KUNTH) LAG. EX GRIFFITHS	blue grama				Grass
<i>Bouteloua hirsuta</i> Lag.	hairy grama	7			Grass

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BRACHYACTIS CILIATA (LEDEB.) LEDEB. SUBSP. ANGUSTA (LINDL.) A.G.JONES	alkali rayless aster		FAC		Forb
Brachyelytrum erectum (Schreb. ex Spreng.) P.Beauv.	long-awned wood grass	7			Grass
Brasenia schreberi J.F.Gmel.	water-shield	6	OBL		Aquatic
BRASSICA JUNCEA (L.) CZERN.	Indian mustard				Forb
BRASSICA NAPUS L.	turnip				Forb
BRASSICA NIGRA (L.) W.D.J.KOCH	black mustard				Forb
BRASSICA RAPA L.	field mustard				Forb
Bromus altissimus Pursh	ear-leaved brome	6	FACW-		Grass
Bromus ciliatus L.	fringed brome	7	FACW		Grass
BROMUS COMMUTATUS SCHRAD.	European brome				Grass
BROMUS ERECTUS HUDS.	erect brome				Grass
BROMUS HORDEACEUS L.	soft brome		UPL		Grass
BROMUS INERMIS LEYSS.	smooth brome				Grass
BROMUS JAPONICUS THUNB. EX MURRAY	Japanese chess		FACU		Grass
Bromus kalmii A.Gray	Arctic brome	8	FACU+		Grass
Bromus pubescens Muhl. ex Willd.	Canadian brome	6			Grass
BROMUS RACEMOSUS L.	bald brome				Grass
BROMUS SECALINUS L.	brome grass				Grass
BROMUS SQUARROSUS L.	corn brome				Grass
BROMUS TECTORUM L.	cheat grass				Grass
BUCHLOE DACTYLOIDES (NUTT.) ENGELM.	buffalo grass		FACU-		Grass
BUGLOSSOIDES ARVENSIS (L.) I.M.JOHNST.	bastard-alkanet				Forb
Bulbostylis capillaris (L.) Kunth ex C.B.Clarke	hair sedge	4	FACU+		Sedge
BUNIAS ORIENTALIS L.	Turkish warty-cabbage				Forb
BUTOMUS UMBELLATUS L.	flowering-rush		OBL		Aquatic
CAKILE EDENTULA (BIGELOW) HOOK.	American sea-rocket		FACU	C	Forb
Cakile lacustris (Fernald) Pobed.	sea-rocket	9			Forb
Calamagrostis canadensis (Michx.) P.Beauv.	blue-joint grass	5	OBL		Grass
CALAMAGROSTIS EPIGEIOS (L.) ROTH	Chee reed grass		FAC		Forb
Calamagrostis stricta (Timm) Koeler	slim-stem reed grass	7			Grass
Calamintha arkansana (Nutt.) Shinners	limestone calamint	10	FACW	C	Forb
Calamovilfa longifolia (Hook.) Scribn.	prairie sand-reed	9			Grass
CALENDULA OFFICINALIS L.	pot-marigold				Forb
Calla palustris L.	wild calla	9	OBL		Aquatic
CALLIRHOE ALCAEOIDES (MICHX.) A.GRAY	light poppy mallow				Forb

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Callirhoe triangulata (Leavenw.) A.Gray	clustered poppy mallow	8		C	Forb
CALLISTEPHUS CHINENSIS (L.) NEES	annual aster				Forb
Callitriche hermaphroditica L.	autumnal water-starwort	9	OBL	C	Aquatic
Callitriche heterophylla Pursh	large water-starwort	9	OBL	T	Aquatic
Callitriche marginata Torr.	winged water-starwort	10			Aquatic
Callitriche palustris L.	common water-starwort	8	OBL		Aquatic
CALLITRICHE STAGNALIS SCOP. EMEND KÜTZ.	pond water-starwort				Aquatic
Callitriche terrestris Raf.	terrestrial water-starwort	8	FACW		Aquatic
CALLUNA VULGARIS (L.) HULL	heather		NI		Shrub
Calopogon oklahomensis D.H.Goldman	Oklahoma grass pink	10			Forb
Calopogon tuberosus (L.) Britton; Sterns & Poggenb. var. tuberosus	grass pink	8	OBL		Forb
Caltha natans Pall.	floating marsh-marigold	10	OBL	E	Aquatic
Caltha palustris L.	yellow marsh-marigold	6	OBL		Forb
Calylophus serrulatus (Nutt.) P.H.Raven	yellow evening-primrose	8		C	Forb
Calypso bulbosa (L.) Oakes var. americana (R.Br.) Luer	calypso orchid	10	FACW	T	Forb
Calystegia sepium (L.) R.Br.	hedge bindweed	2	FAC		Herb. Vine
Calystegia spithamea (L.) Pursh	low bindweed	4			Forb
Camassia scilloides (Raf.) Cory	wild-hyacinth	8	FAC+	E	Forb
CAMELINA MICROCARPA ANDRZ. EX DC.	little-pod flax				Forb
CAMELINA SATIVA (L.) CRANTZ	gold-of-pleasure		FAC-		Forb
Campanula americana L.	American bellflower	4	FAC		Forb
Campanula aparinoides Pursh	marsh bellflower	7	OBL		Forb
CAMPANULA GLOMERATA L.	Dane's blood				Forb
CAMPANULA LATIFOLIA L.	giant bellflower				Forb
CAMPANULA PERSICIFOLIA L.	peach-leaved bellflower				Forb
CAMPANULA RAPUNCULOIDES L.	creeping bellflower				Forb
Campanula rotundifolia L.	bluebell	5	FAC-		Forb
CAMPANULA TRACHELIUM L.	bat-in-the-belfry				Forb
CAMPSIS RADICANS (L.) SEEM. EX BUREAU	trumpet-creeper		FAC*		Woody Vine
CANNABIS SATIVA L.	marijuana		FAC		Forb
CAPSELLA BURSA-PASTORIS (L.) MEDIK.	shepherd's-purse		FAC-		Forb
CARAGANA ARBORESCENS LAM.	pea-tree				Forb
Cardamine bulbosa (Schreb. ex Muhl.) Britton; Sterns & Poggenb.	spring-cress	6	OBL		Forb
Cardamine concatenata (Michx.) O.Schwarz	cut-leaved toothwort	6	FACU		Forb
Cardamine diphylla (Michx.) A.W.Wood	crinkle-root	8	FAC*		Forb

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<i>Cardamine douglassii</i> (Torr.) Britton	limestone bitter-cress	7	FACW		Forb
<i>Cardamine maxima</i> (Nutt.) A.W.Wood	large toothwort	10		C	Forb
<i>Cardamine parviflora</i> L. var. <i>arenicola</i> (Britton) O.E.Schulz	dry-land bitter-cress	6	FAC		Forb
<i>Cardamine pensylvanica</i> Muhl. ex Willd.	Pennsylvania bitter-cress	3	FACW+		Forb
<i>Cardamine pratensis</i> L. var. <i>palustris</i> Wimm. & Grab.	cuckoo-flower	10	OBL	C	Forb
CARDARIA DRABA (L.) DESV.	white-top				Forb
CARDARIA PUBESCENS (C.A.MEY.) JARM.	hairy white-top				Forb
CARDUUS ACANTHOIDES L.	plumeless thistle				Forb
CARDUUS NUTANS L.	musk thistle				Forb
CARDUUS X ORTHOCEPHALUS WALLR.	plumeless thistle				Forb
<i>Carex adusta</i> Boott	brown oval sedge	4			Sedge
<i>Carex albicans</i> Willd. ex Spreng.	oak sedge	6			Sedge
<i>Carex albursina</i> E.Sheld.	blunt-scaled wood sedge	7			Sedge
<i>Carex alopecoidea</i> Tuck.	foxtail sedge	5	FACW+		Sedge
<i>Carex aquatilis</i> Wahlenb. var. <i>aquatilis</i>	water sedge	7	OBL		Sedge
<i>Carex arcta</i> Boott	bear sedge	8	OBL		Sedge
<i>Carex arctata</i> Boott ex Hook.	drooping woodland sedge	5			Sedge
<i>Carex assiniboinensis</i> W.Boott	Assiniboine sedge	9		C	Sedge
<i>Carex atherodes</i> Spreng.	hairy-leaved lake sedge	8	OBL		Sedge
<i>Carex aurea</i> Nutt.	golden-fruited sedge	5	FACW+		Sedge
<i>Carex backii</i> W.Boott	Rocky Mountain sedge	8		C	Sedge
<i>Carex bebbii</i> (L.H.Bailey) Olney ex Fernald	Bebb's sedge	4	OBL		Sedge
<i>Carex bicknellii</i> Britton var. <i>bicknellii</i>	Bicknell's sedge	6	FAC-		Sedge
<i>Carex blanda</i> Dewey	wood sedge	3	FAC		Sedge
<i>Carex brachyglossa</i> Mack.	yellow-headed fox sedge	4	FACW		Sedge
<i>Carex brevior</i> (Dewey) Mack. ex Lunell	plains oval sedge	3	FAC		Sedge
<i>Carex bromoides</i> Schkuhr ex Willd. subsp. <i>bromoides</i>	brome-like sedge	8	FACW+		Sedge
<i>Carex brunnescens</i> (Pers.) Poir. subsp. <i>sphaerostachya</i> (Tuck.) Kalela	green bog sedge	7	FACW		Sedge
CAREX BUSHII MACK.	Bush's sedge		FACW		Sedge
<i>Carex buxbaumii</i> Wahlenb.	Buxbaum's sedge	8	OBL		Sedge
<i>Carex canescens</i> L.	silvery sedge	8	OBL		Sedge
<i>Carex capillaris</i> L.	hair-like sedge	9	FACW	C	Sedge
<i>Carex careyana</i> Torr. ex Dewey	Carey's sedge	10		T	Sedge
<i>Carex castanea</i> Wahlenb.	chestnut sedge	6	FACW+		Sedge
<i>Carex cephaloidea</i> (Dewey) Dewey	clustered bracted sedge	6	FACU+		Sedge

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<i>Carex cephalophora</i> Muhl. ex Willd.	oval-headed sedge	4	FACU		Sedge
<i>Carex chordorrhiza</i> Ehrh. ex L.f.	creeping sedge	10	OBL		Sedge
<i>Carex communis</i> L.H.Bailey var. <i>communis</i>	Colonial oak sedge	6			Sedge
<i>Carex comosa</i> Boott	bristly sedge	5	OBL		Sedge
<i>Carex concinna</i> R.Br.	beautiful sedge	10	FACU+	T	Sedge
<i>Carex conoidea</i> Schkuhr ex Willd.	open-field sedge	8	FACW+		Sedge
<i>Carex crawei</i> Dewey ex Torr.	Crawe's sedge	8	FACW	C	Sedge
<i>Carex crawfordii</i> Fernald	Crawford's sedge	5	FAC+		Sedge
<i>Carex crinita</i> Lam. var. <i>crinita</i>	fringed sedge	6	FACW+		Sedge
<i>Carex cristatella</i> Britton	crested sedge	4	FACW+		Sedge
<i>Carex crus-corvi</i> Shuttlew. ex Kunze	crow-foot fox sedge	10	OBL	E	Sedge
<i>Carex cryptolepis</i> Mack.	northeastern sedge	8	OBL		Sedge
<i>Carex cumulata</i> (L.H.Bailey) Mack.	clustered sedge	5	FACU-	C	Sedge
<i>Carex davisii</i> Schwein. & Torr.	Davis' sedge	8	FAC+		Sedge
<i>Carex debilis</i> Michx. var. <i>rudgei</i> L.H.Bailey	weak sedge	5	FACW		Sedge
<i>Carex deflexa</i> Hornem. var. <i>deflexa</i>	northern oak sedge	7			Sedge
<i>Carex deweyana</i> Schwein. subsp. <i>deweyana</i>	Dewey's sedge	7	FACU-		Sedge
<i>Carex diandra</i> Schrank	bog panicled sedge	9	OBL		Sedge
<i>Carex digitalis</i> Willd. var. <i>digitalis</i>	slender woodland sedge	9	UPL		Sedge
<i>Carex disperma</i> Dewey	soft-leaf sedge	10	OBL		Sedge
<i>Carex eburnea</i> Boott	bristle-leaf sedge	8	FACU-		Sedge
<i>Carex echinata</i> Murray subsp. <i>echinata</i>	star sedge	8	OBL		Sedge
<i>Carex emoryi</i> Dewey ex Torr.	Emory's sedge	6	OBL		Sedge
<i>Carex exilis</i> Dewey	coastal star sedge	10	OBL	T	Sedge
<i>Carex festucacea</i> Schkuhr ex Willd.	fescue sedge	7	FAC		Sedge
<i>Carex flava</i> L.	yellow sedge	6	OBL		Sedge
<i>Carex foenea</i> Willd.	bronze-headed oval sedge	4	NI		Sedge
<i>Carex folliculata</i> L.	northern long sedge	9		C	Sedge
<i>Carex formosa</i> Dewey	handsome sedge	9	FACW-	T	Sedge
<i>Carex garberi</i> Fernald	elk sedge	10	FACW	T	Sedge
<i>Carex gracilescens</i> Steud.	slender wood sedge	5		C	Sedge
<i>Carex gracillima</i> Schwein.	graceful sedge	5	FACU*		Sedge
<i>Carex granularis</i> Muhl. ex Willd.	limestone meadow sedge	3	FACW+		Sedge
<i>Carex gravida</i> L.H.Bailey var. <i>gravida</i>	heavy sedge	3			Sedge
<i>Carex grayi</i> J.Carey	Gray's sedge	7	FACW+		Sedge
<i>Carex grisea</i> Wahlenb.	gray sedge	4			Sedge
<i>Carex gynandra</i> Schwein.	nodding sedge	6			Sedge
<i>Carex gynocrates</i> Wormsk. ex Drejer	northern bog sedge	10	OBL	C	Sedge
<i>Carex haydenii</i> Dewey	Hayden's sedge	8	OBL		Sedge
CAREX HIRTA L.	hammer sedge				Sedge
<i>Carex hirtifolia</i> Mack.	hairy sedge	5			Sedge
<i>Carex hitchcockiana</i> Dewey	Hitchcock's sedge	8			Sedge

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<i>Carex houghtoniana</i> Torr. ex Dewey	Houghton's sedge	5			Sedge
<i>Carex hystericina</i> Muhl. ex Willd.	bottlebrush sedge	3	OBL		Sedge
<i>Carex inops</i> L.H.Bailey subsp. <i>heliophila</i> (Mack.) Crins	sun sedge	4			Sedge
<i>Carex interior</i> L.H.Bailey	inland sedge	7	OBL		Sedge
<i>Carex intumescens</i> Rudge	greater bladder sedge	5	FACW+		Sedge
<i>Carex jamesii</i> Schwein.	James' sedge	9			Sedge
<i>Carex lacustris</i> Willd.	common lake sedge	6	OBL		Sedge
<i>Carex laeviconica</i> Dewey	long-toothed lake sedge	6	OBL		Sedge
<i>Carex laevivaginata</i> (Kük.) Mack.	smooth-sheathed fox sedge	8	OBL	E	Sedge
<i>Carex lasiocarpa</i> Ehrh. subsp. <i>americana</i> (Fernald) D.Löve & Bernard	woolly-fruit sedge	9	OBL		Sedge
<i>Carex laxiculmis</i> Schwein.	spreading sedge	10			Sedge
<i>Carex laxiflora</i> Lam.	wood sedge	8	UPL*		Sedge
CAREX LEAVENWORTHII DEWEY	Leavenworth's sedge				Sedge
<i>Carex lenticularis</i> Michx. var. <i>lenticularis</i>	lakeshore sedge	9	OBL	T	Sedge
<i>Carex leptalea</i> Wahlenb. subsp. <i>leptalea</i>	bristle-stalked sedge	9	OBL		Sedge
<i>Carex leptoneuria</i> (Fernald) Fernald	few-nerved wood sedge	6	FAC		Sedge
<i>Carex limosa</i> L.	muck sedge	10	OBL		Sedge
<i>Carex livida</i> (Wahlenb.) Willd. var. <i>radicalis</i> Paine	livid sedge	10	OBL	C	Sedge
<i>Carex longii</i> Mack.	Long's sedge	10	OBL	C	Sedge
<i>Carex lucorum</i> Willd. ex Link var. <i>lucorum</i>	Blue Ridge sedge	4			Sedge
<i>Carex lupuliformis</i> Sartwell ex Dewey	hop sedge	10	FACW+	E	Sedge
<i>Carex lupulina</i> Muhl. ex Willd.	hop sedge	6	OBL		Sedge
<i>Carex lurida</i> Wahlenb.	shallow sedge	8	OBL		Sedge
<i>Carex magellanica</i> Lam.	boreal bog sedge	10			Sedge
<i>Carex meadii</i> Dewey	Mead's sedge	6	FAC		Sedge
<i>Carex merriitt-fernaldii</i> Mack.	Fernald's sedge	4			Sedge
<i>Carex michauxiana</i> Boeck.	Michaux's sedge	10	OBL	T	Sedge
<i>Carex molesta</i> Mack. ex Bright	troublesome sedge	2			Sedge
<i>Carex muhlenbergii</i> Schkuhr ex Willd.	Muhlenberg's sedge	4			Sedge
<i>Carex muskingumensis</i> Schwein.	Muskingum sedge	7	OBL		Sedge
CAREX NEBRASCENSIS DEWEY	Nebraska sedge		OBL		Sedge
<i>Carex nigra</i> (L.) Reichard	smooth black sedge	4	NI	C	Sedge
<i>Carex normalis</i> Mack.	greater straw sedge	5	FACW		Sedge
<i>Carex norvegica</i> Retz. subsp. <i>inferalpina</i> (Wahlenb.) Hultén	Norway sedge	10	FACW	E	Sedge
<i>Carex novae-angliae</i> Schwein.	New England sedge	9	NI		Sedge
<i>Carex oligocarpa</i> Schkuhr ex Willd.	rich-woods sedge	9			Sedge
<i>Carex oligosperma</i> Michx.	few-seeded sedge	10	OBL		Sedge
<i>Carex ormostachya</i> Wiegand	necklace-spike sedge	6			Sedge

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CAREX OVALIS GOODEN.	oval sedge				Sedge
Carex pallescens L.	pale sedge	1		C	Sedge
Carex pauciflora Lightf.	star sedge	10	OBL		Sedge
Carex peckii Howe	Peck's sedge	7			Sedge
Carex pedunculata Muhl. ex Willd.	long-stalk sedge	7			Sedge
Carex pellita Muhl. ex Willd.	broad-leaved woolly sedge	4	OBL		Sedge
Carex pensylvanica Lam.	Pennsylvania sedge	3			Sedge
Carex plantaginea Lam.	plantain-leaved sedge	10			Sedge
Carex platyphylla J.Carey	thicket sedge	10		C	Sedge
CAREX PRAEGRACILIS W.BootT	freeway sedge		FACW		Sedge
Carex prairea Dewey ex A.W.Wood	prairie sedge	10	FACW+		Sedge
Carex prasina Wahlenb.	drooping sedge	10	OBL	T	Sedge
Carex projecta Mack.	necklace sedge	4	FACW+		Sedge
Carex pseudocyperus L.	cypress-like sedge	8	OBL		Sedge
Carex radiata (Wahlenb.) Small	eastern star sedge	4			Sedge
Carex retrorsa Schwein.	deflexed bottlebrush sedge	6	OBL		Sedge
Carex richardsonii R.Br.	Richardson's sedge	7	UPL	C	Sedge
Carex rosea Schkuhr ex Willd.	stellate sedge	4			Sedge
Carex rostrata Stokes	northern yellow lake sedge	10	OBL		Sedge
Carex sartwellii Dewey	Sartwell's sedge	7	FACW+		Sedge
Carex scabrata Schwein.	eastern rough sedge	8	OBL		Sedge
Carex schweinitzii Dewey ex Schwein.	Schweinitz's sedge	10	OBL	E	Sedge
Carex scoparia Schkuhr ex Willd.	broom sedge	4	FACW		Sedge
Carex siccata Dewey	running savanna sedge	4			Sedge
Carex sparganioides Muhl. ex Willd.	bur-reed sedge	6	FAC		Sedge
CAREX SPICATA HUDS.	spiked bracted sedge				Sedge
Carex sprengeii Dewey ex Spreng.	Sprengel's sedge	6	FAC		Sedge
Carex sterilis Willd.	fen star sedge	10	OBL		Sedge
Carex stipata Muhl. ex Willd. var. stipata	common fox sedge	2			Sedge
Carex straminea Willd. ex Schkuhr	straw sedge	9	OBL	C	Sedge
Carex stricta Lam.	common tussock sedge	7	OBL		Sedge
Carex suberecta (Olney) Britton	prairie straw sedge	8	OBL	C	Sedge
Carex swanii (Fernald) Mack.	Swan's sedge	8	FACU	C	Sedge
Carex sychnocephala J.Carey	many-headed sedge	9	FACW+	C	Sedge
Carex tenera Dewey	quill sedge	4	FAC+		Sedge
Carex tenuiflora Wahlenb.	sparse-flowered sedge	10	OBL	C	Sedge
Carex tetanica Schkuhr	rigid sedge	9	FACW		Sedge
Carex tinctoria (Fernald) Fernald	tinged sedge	0			Sedge
Carex tonsa (Fernald) E.P.Bicknell	shaved sedge	4			Sedge
Carex tonsa (Fernald) E.P.Bicknell var. rugosperma (Mack.) Crins	parachute sedge	4			Sedge
Carex tonsa (Fernald) E.P.Bicknell var. tonsa	shaved sedge	5			Sedge
Carex torreyi Tuck.	Torrey's sedge	10	NI	C	Sedge

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Carex tribuloides Wahlenb. var. tribuloides	blunt-broom sedge	4	FACW+		Sedge
Carex trichocarpa Muhl. ex Willd.	hairy-fruit sedge	7	OBL		Sedge
Carex trisperma Dewey var. trisperma	three-seeded sedge	9	OBL		Sedge
Carex tuckermanii Dewey	Tuckerman's sedge	8	OBL		Sedge
Carex typhina Michx.	cat-tail sedge	9	OBL		Sedge
Carex umbellata Schkuhr ex Willd.	parasol sedge	6			Sedge
Carex utriculata Boott	Northwest Territory sedge	7			Sedge
Carex vaginata Tauscher	sheathed sedge	10	OBL	C	Sedge
Carex vesicaria L.	blister sedge	7	OBL		Sedge
Carex viridula Michx. subsp. viridula	little green sedge	6	OBL		Sedge
Carex vulpinoidea Michx.	fox sedge	2	OBL		Sedge
Carex woodii Dewey	pretty sedge	9	FAC		Sedge
Carex X knieskernii Dewey (pro sp.)					Sedge
Carex X laricina Mack. ex Bright (pro sp.)					Sedge
Carpinus caroliniana Walter subsp. virginiana (Marshall) Furlow	ironwood	6	FAC		Tree
CARUM CARVI L.	caraway				Forb
Carya cordiformis (Wangenh.) K.Koch	pig-nut	6	FAC		Tree
Carya ovata (Mill.) K.Koch var. ovata	shagbark hickory	5	FACU		Tree
Carya X laneyi Sarg.	Laney's hickory				Tree
CASTANEA DENTATA (MARSHALL) BORKH.	American chestnut				Tree
Castilleja coccinea (L.) Spreng.	Indian paintbrush	6	FAC		Forb
Castilleja sessiliflora Pursh	downy paintbrush	10			Forb
Catabrosa aquatica (L.) P.Beauv.	brook grass	10	NI	E	Grass
CATALPA OVATA G.DON	Chinese catalpa				Tree
CATALPA SPECIOSA (WARDER EX BARNEY) WARDER EX ENGELM.	northern catalpa		FACU		Tree
Caulophyllum thalictroides (L.) Michx.	squaw-root	8			Forb
Ceanothus americanus L.	New Jersey tea	9			Shrub
Ceanothus herbaceus Raf.	Jersey tea	8			Shrub
CELASTRUS ORBICULATA THUNB.	Asian bittersweet		NI		Woody Vine
Celastrus scandens L.	American bittersweet	3	FACU*		Woody Vine
CELOSIA ARGENTEA L.	silver cock's-comb				Forb
Celtis occidentalis L.	northern hackberry	4	FAC-		Tree
Cenchrus longispinus (Hack.) Fernald	sandbur	0			Grass
CENTAUREA AMERICANA NUTT.	American knapweed				Forb
CENTAUREA BIEBERSTEINII DC.	spotted knapweed				Forb
CENTAUREA CYANUS L.	bachelor's-button				Forb

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CENTAUREA DEBEAUXII GREN. & GODR. SUBSP. THUILLIERI DOSTÁL	meadow knapweed				Forb
CENTAUREA DIFFUSA LAM.	spreading knapweed				Forb
CENTAUREA JACEA L.	brown knapweed				Forb
CENTAUREA MACROCEPHALA MUSS.PUSCHK. EX WILLD.	big-head knapweed				Forb
CENTAUREA MELITENSIS L.	Maltese star-thistle				Forb
CENTAUREA MONTANA L.	mountain-bluet				Forb
CENTAUREA NIGRA L.	black knapweed				Forb
CENTAUREA NIGRESCENS WILLD.	Tyrol knapweed				Forb
CENTAUREA REPENS L.	Russian knapweed				Forb
CENTAUREA SOLSTITIALIS L.	St. Barnaby's thistle				Forb
CENTAURIUM PULCHELLUM (SW.) DRUCE	branching centaury		FACU-		Forb
Cephalanthus occidentalis L.	buttonbush	9	OBL		Shrub
CEPHALARIA GIGANTEA (LEDEB.) BOBROV	Tartarian cephalaria				Forb
Cerastium arvense L.	starry grasswort	4	FACU-		Forb
Cerastium brachypodum (Engelm. ex A.Gray) B.L.Rob.	short-stalk chickweed	0	FACU-		Forb
CERASTIUM FONTANUM BAUMG. EMEND JALAS SUBSP. VULGARE (HARTM.) GREUTER & BURDET	mouse-ear chickweed		FACU		Forb
Cerastium nutans Raf.	nodding chickweed	0	FACU+		Forb
CERASTIUM SEMIDECANDRUM L.	small mouse-ear chickweed				Forb
CERASTIUM TOMENTOSUM L.	snow-in-summer				Forb
CERATOCEPHALA TESTICULATA (CRANTZ) ROTH	bur buttercup				Forb
Ceratophyllum demersum L.	hornwort	3	OBL		Aquatic
Ceratophyllum echinatum A.Gray	spiny hornwort	10		C	Aquatic
CERCIS CANADENSIS L. VAR. CANADENSIS	eastern redbud		FACU		Tree
CHAENOMELES SPECIOSA (SWEET) NAKAI	Japanese flowering quince				Shrub
CHAENORHINUM MINUS (L.) LANGE	small snapdragon				Forb
Chaerophyllum procumbens (L.) Crantz	wild chervil	10	FAC+	C	Forb
CHAITURUS MARRUBIASTRUM (L.) RCHB.	horehound motherwort				Forb
Chamaecrista fasciculata (Michx.) Greene	golden cassia	3	FACU-		Forb
Chamaedaphne calyculata (L.) Moench var. angustifolia (Aiton) Rehder	leather-leaf	9	OBL		Shrub

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<i>Chamaesyce geyeri</i> (Engelm.) Small	Geyer's spurge	5			Forb
<i>Chamaesyce glyptosperma</i> (Engelm.) Small	ridge-seeded spurge	2			Forb
<i>Chamaesyce maculata</i> (L.) Small	wart-weed	0			Forb
<i>Chamaesyce nutans</i> (Lag.) Small	nodding spurge	0	FACU		Forb
<i>Chamaesyce polygonifolia</i> (L.) Small	seaside spurge	10	UPL	C	Forb
<i>Chamaesyce serpyllifolia</i> (Pers.) Small	thyme-leaved spurge	1			Forb
CHAMAESYCE VERMICULATA (RAF.) HOUSE	hairy spurge				Forb
CHASMANTHIUM LATIFOLIUM (MICHX.) H.O.YATES	wild oats		FACW		Grass
<i>Cheilanthes feei</i> T.Moore	slender lip fern	10			Fern
<i>Cheilanthes lanosa</i> (Michx.) D.C.Eaton	hairy lip fern	10			Fern
CHELIDONIUM MAJUS L.	greater celandine				Forb
<i>Chelone glabra</i> L.	turtlehead	7	OBL		Forb
CENOPODIUM ALBUM L.	lamb's-quarters		FAC-		Forb
CENOPODIUM AMBROSIOIDES L.	Mexican tea		FAC-		Forb
<i>Chenopodium berlandieri</i> Moq.	pit-seed goosefoot	2			Forb
CENOPODIUM BOTRYS L.	feather-geranium		FACU-		Forb
<i>Chenopodium capitatum</i> (L.) Asch.	strawberry-blite	3			Forb
CENOPODIUM FOLIOSUM (MOENCH) ASCH.	leafy goosefoot				Forb
CENOPODIUM GLAUCUM L.	oak-leaved goosefoot		FACW		Forb
<i>Chenopodium missouriense</i> Aellen	Missouri goosefoot	0			Forb
CENOPODIUM MURALE L.	sowbane				Forb
CENOPODIUM POLYSPERMUM L.	many-seed goosefoot				Forb
<i>Chenopodium pratericola</i> Rydb.	desert goosefoot	5			Forb
CENOPODIUM PUMILIO R.BR.	clammy goosefoot				Forb
CENOPODIUM RUBRUM L.	red goosefoot		OBL		Forb
<i>Chenopodium simplex</i> (Torr.) Raf.	maple-leaved goosefoot	1			Forb
<i>Chenopodium standleyanum</i> Aellen	Standley's goosefoot	4			Forb
<i>Chenopodium strictum</i> Roth	late-flowering goosefoot	1			Forb
CENOPODIUM URBICUM L.	city goosefoot				Forb
<i>Chimaphila umbellata</i> (L.) W.P.C.Barton subsp. <i>cisatlantica</i> (S.F.Blake) Hultén	prince's-pine	8			Forb
<i>Chrysosplenium americanum</i> Schwein. ex Hook.	American golden saxifrage	9	OBL		Forb
CICHORIUM INTYBUS L.	blue-sailors				Forb
<i>Cicuta bulbifera</i> L.	bulblet water-hemlock	7	OBL		Forb
<i>Cicuta maculata</i> L.	common water-hemlock	6	OBL		Forb
<i>Cinna arundinacea</i> L.	common wood-reed	5	FACW		Grass
<i>Cinna latifolia</i> (Trevir. ex Göpp.) Griseb.	drooping wood-reed	7	FACW+		Grass

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<i>Circaea alpina</i> L. subsp. <i>alpina</i>	alpine enchanter's-nightshade	7	FACW		Forb
<i>Circaea alpina</i> L. subsp. <i>alpina</i> X <i>C. lutetiana</i> L. subsp. <i>canadensis</i> (L.) Asch. & Magnus					Forb
<i>Circaea lutetiana</i> L. subsp. <i>canadensis</i> (L.) Asch. & Magnus	broad-leaf enchanter's-nightshade	2	FACU		Forb
<i>Cirsium altissimum</i> (L.) Spreng.	wood thistle	6			Forb
CIRSIUM ARVENSE (L.) SCOP.	Canada thistle		FACU		Forb
<i>Cirsium discolor</i> (Muhl. ex Willd.) Spreng.	field thistle	4			Forb
CIRSIUM FLODMANII (RYDB.) ARTHUR	Flodman's thistle		NI	C	Forb
<i>Cirsium hillii</i> (Canby) Fernald	Hill's thistle	7		T	Forb
<i>Cirsium muticum</i> Michx.	swamp thistle	8	OBL		Forb
CIRSIUM PALUSTRE (L.) SCOP.	European swamp thistle				Forb
<i>Cirsium pitcheri</i> (Torr. ex Eaton) Torr. & A.Gray	dune thistle	10			Forb
CIRSIUM UNDULATUM (NUTT.) SPRENG.	wavy-leaved thistle		FAC-		Forb
CIRSIUM VULGARE (SAVI) TEN.	bull thistle		FACU-		Forb
CITRULLUS LANATUS (THUNB.) MANSF. VAR. LANATUS	watermelon				Herb. Vine
<i>Cladium mariscoides</i> (Muhl.) Torr.	smooth sawgrass	10	OBL		Sedge
<i>Claytonia caroliniana</i> Michx. var. <i>caroliniana</i>	spring-beauty	8	FACU		Forb
<i>Claytonia virginica</i> L. var. <i>virginica</i>	Virginia spring-beauty	6	FACU		Forb
<i>Clematis occidentalis</i> (Hornem.) DC. var. <i>occidentalis</i>	purple clematis	8		C	Woody Vine
<i>Clematis virginiana</i> L.	devil's-darning-needle	4	FAC		Woody Vine
CLEOME HASSLERIANA CHODAT	spider-flower		FACU*		Forb
CLEOME SERRULATA PURSH	toothed spider-flower		FACU-		Forb
<i>Clinopodium vulgare</i> L.	wild-basil	3			Forb
<i>Clintonia borealis</i> (Aiton) Raf.	yellow blue-bead-lily	7	FAC+		Forb
CNICUS BENEDICTUS L.	blessed thistle				Forb
<i>Coeloglossum viride</i> (L.) Hartm. var. <i>virescens</i> (Muhl. ex Willd.) Luer	frog orchid	6	FAC		Forb
<i>Collinsia verna</i> Nutt.	spring blue-eyed-Mary	10	FACU		Forb
<i>Collinsonia canadensis</i> L.	Canada horse-balm	10	FAC	E	Forb
COLLOMIA LINEARIS NUTT.	narrow-leaved mountain trumpet		FACU		Forb
<i>Comandra umbellata</i> (L.) Nutt. subsp. <i>umbellata</i>	bastard-toadflax	6	FACU		Forb
<i>Comarum palustre</i> L.	marsh cinquefoil	8	OBL		Shrub
COMMELINA COMMUNIS L.	Asiatic dayflower		FAC		Forb
<i>Commelina erecta</i> L. var. <i>deamiana</i> Fernald	erect dayflower	7		C	Forb
<i>Comptonia peregrina</i> (L.) J.M.Coult.	sweet-fern	4			Shrub

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Conioselinum chinense (L.) Britton; Sterns & Poggenb.	hemlock-parsley	10	FACW	E	Forb
CONIUM MACULATUM L.	poison-hemlock		FACW		Forb
Conopholis americana (L.) Wallr.	American squawroot	8			Forb
CONRINGIA ORIENTALIS (L.) DUMORT.	hare-ear mustard				Forb
CONSOLIDA AJACIS (L.) SCHUR	doubtful knight's spur				Forb
CONVALLARIA MAJALIS L.	lily-of-the-valley				Forb
CONVOLVULUS ARVENSIS L.	field bindweed				Herb. Vine
Conyza canadensis (L.) Cronquist var. canadensis	fleabane	0	FAC-		Forb
Conyza ramosissima Cronquist	dwarf fleabane	0			Forb
Coptis trifolia (L.) Salisb.	three-leaved gold-thread	8	FACW		Forb
Corallorhiza maculata (Raf.) Raf.	spotted coralroot	7	FACU-		Forb
Corallorhiza odontorhiza (Willd.) Nutt.	late coralroot	8		C	Forb
Corallorhiza striata Lindl. var. striata	hooded coralroot	9	FACU-		Forb
Corallorhiza trifida Châtel.	early coralroot	7	FACW-		Forb
COREOPSIS GRANDIFLORA J.HOGG EX SWEET	big-flower tickseed				Forb
Coreopsis lanceolata L.	sand tickseed	8	FACU		Forb
Coreopsis palmata Nutt.	finger tickseed	8			Forb
COREOPSIS TINCTORIA NUTT. VAR. TINCTORIA	golden tickseed		FAC-		Forb
Cornus alternifolia L.f.	pogoda dogwood	7			Tree
Cornus amomum Mill. var. schuetzeana (C.A.Mey.) Rickett	silky dogwood	4	FACW+		Shrub
Cornus canadensis L.	bunchberry	7	FAC		Shrub
Cornus racemosa Lam.	gray dogwood	2			Shrub
Cornus rugosa Lam.	round-leaved dogwood	7			Shrub
Cornus stolonifera Michx.	red osier dogwood	3	FACW		Shrub
CORONILLA VARIA L.	crown-vetch				Forb
CORONOPUS DIDYMUS (L.) SM.	wart-cress				Forb
Corydalis aurea Willd. subsp. aurea	scrambled eggs	4			Forb
Corydalis micrantha (Engelm. ex A.Gray) A.Gray subsp. micrantha	slender corydalis	4			Forb
Corydalis sempervirens (L.) Pers.	rock harlequin	7			Forb
Corylus americana Walter	American hazelnut	5	FACU-		Shrub
Corylus cornuta Marshall subsp. cornuta	beaked hazelnut	5	UPL		Shrub
COSMOS BIPINNATUS CAV.	common garden cosmos		FACW-		Forb
COTONEASTER LUCIDUS SCHLTDL.	shiny cotoneaster				Shrub
Crataegus acutiserrata Kruschke					Shrub
Crataegus anomala Sarg.	anomalous hawthorn				Shrub
Crataegus apiomorpha Sarg.	Fort Sheridan hawthorn	2			Shrub
Crataegus beata Sarg.	Dunbar's hawthorn				Tree
Crataegus calpodendron (Ehrh.) Medik.	sugar hawthorn	5			Tree
Crataegus chrysoarpa Ashe	fireberry hawthorn	4			Tree

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<i>Crataegus coccinioides</i> Ashe	Kansas hawthorn				Shrub
<i>Crataegus corusca</i> Sarg.	shining-branch hawthorn	2			Shrub
<i>Crataegus crus-galli</i> L.	cockspur hawthorn	3	FAC		Tree
<i>Crataegus desueta</i> Sarg.	New York hawthorn				Shrub
<i>Crataegus disperma</i> Ashe	spreading hawthorn	1			Shrub
<i>Crataegus dissona</i> Sarg.	northern hawthorn	4			Shrub
<i>Crataegus distincta</i> Kruschke	distinct hawthorn				Shrub
<i>Crataegus dodgei</i> Ashe	Dodge's hawthorn	2			Tree
<i>Crataegus douglasii</i> Lindl.	black hawthorn		FAC		Tree
<i>Crataegus flabellata</i> (Bosc ex Spach) K.Koch	fan-leaf hawthorn	4			Tree
<i>Crataegus florifera</i> Sarg.		3			Shrub
<i>Crataegus fluviatilis</i> Sarg.		5			Shrub
<i>Crataegus fulleriana</i> Sarg.	Fuller's hawthorn	1			Shrub
<i>Crataegus holmesiana</i> Ashe	Holmes' hawthorn				Tree
<i>Crataegus intricata</i> Lange	Copenhagen hawthorn	5			Shrub
<i>Crataegus irrasa</i> Sarg.	Blanchard's hawthorn				Tree
<i>Crataegus jesupii</i> Sarg.	Jesup's hawthorn	5			Shrub
<i>Crataegus lucorum</i> Sarg.	grove hawthorn	2			Shrub
<i>Crataegus lumaria</i> Ashe	round-leaved hawthorn	2			Shrub
<i>Crataegus macracantha</i> Lodd. ex Loudon	hawthorn	2			Shrub
<i>Crataegus macrosperma</i> Ashe	big-fruit hawthorn	5			Shrub
<i>Crataegus margaretta</i> Ashe	Margaret's hawthorn				Tree
<i>Crataegus mollis</i> (Torr. & A.Gray) Scheele	downy hawthorn	2	FACW-		Tree
CRATAEGUS MONOGYNA JACQ.	one-seeded hawthorn				Tree
<i>Crataegus nitidula</i> Sarg.	Ontario hawthorn				Shrub
<i>Crataegus pedicellata</i> Sarg.	scarlet hawthorn	4			Tree
<i>Crataegus pringlei</i> Sarg.	Pringle's hawthorn	4			Shrub
<i>Crataegus prona</i> Sarg.	Illinois hawthorn				Shrub
<i>Crataegus pruinosa</i> (H.Wendl.) K.Koch	frosted hawthorn	5			Tree
<i>Crataegus punctata</i> Jacq.	dotted hawthorn	2			Tree
<i>Crataegus scabrida</i> Sarg.	rough hawthorn	4			Shrub
<i>Crataegus schuettei</i> Ashe	Schuette's hawthorn	4			Tree
<i>Crataegus submollis</i> Sarg.	Quebec hawthorn	3			Shrub
<i>Crataegus succulenta</i> Schrad. ex Link	fleshy hawthorn	5			Tree
CREPIS CAPILLARIS (L.) WALLR.	hawk's-beard				Forb
CREPIS FOETIDA L. SUBSP. RHOEADIFOLIA (M.BIEB.) CELAK.	stinking hawk's-beard				Forb
CREPIS SETOSA HALLER F.	bristly hawk's-beard				Forb
CREPIS TECTORUM L.	narrow-leaved hawk's-beard				Forb
<i>Crotalaria sagittalis</i> L.	arrowhead rattle-box	3		C	Forb
CROTON GLANDULOSUS L. VAR. SEPTENTRIONALIS MÜLL.ARG.	sand croton				Forb

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CROTON MONANTHOGYNUS MICHX.	one-seed croton				Forb
CROTON TEXENSIS (KLOTZSCH) MÜLL.ARG.	skunk-weed				Forb
CRYPISIS SCHOENOIDES (L.) LAM.	pickle grass		FACU		Grass
Cryptogramma stelleri (S.G.Gmel.) Prantl	Steller's rock brake	10	FACU		Fern
Cryptotaenia canadensis (L.) DC.	Canadian honewort	4	FAC		Forb
CUCUMIS MELO L.	cantaloupe				Herb. Vine
CUCURBITA FOETIDISSIMA KUNTH	wild pumpkin				Herb. Vine
CUCURBITA MAXIMA DUCHESNE	winter squash				Herb. Vine
Cuscuta cephalanthi Engelm.	buttonbush dodder	6			Herb. Vine
Cuscuta coryli Engelm.	hazel dodder	9			Herb. Vine
Cuscuta cuspidata Engelm.	culp dodder	10			Herb. Vine
Cuscuta glomerata Choisy	rope dodder	7			Herb. Vine
Cuscuta gronovii Willd. ex Roem. & Schult. var. gronovii	love dodder	4			Herb. Vine
Cuscuta pentagona Engelm.	field dodder	9			Herb. Vine
Cuscuta polygonorum Engelm.	smartweed dodder	8			Herb. Vine
Cuscuta rostrata Shuttlew. ex Engelm. & A.Gray	beaked dodder	8			Herb. Vine
Cycloloma atriplicifolium (Spreng.) J.M.Coult.	winged pigweed	3	FACU		Forb
CYNOGLOSSUM AMABILE STAPF & J.R.DRUMM.	Chinese forget-me-not				Forb
Cynoglossum boreale Fernald	northern wild comfrey	8			Forb
CYNOGLOSSUM OFFICINALE L.	gypsy-flower				Forb
CYNOSURUS CRISTATUS L.	dog's-tail		FAC		Grass
Cyperus bipartitus Torr.	slender flat sedge	3	FACW+		Sedge
Cyperus diandrus Torr.	low cyperus	7	FACW+		Sedge
Cyperus erythrorhizos Muhl.	red-rooted sedge	3	OBL		Sedge
Cyperus esculentus L. var. esculentus	field nut sedge	0	FACW		Sedge
Cyperus houghtonii Torr.	Houghton's flat sedge	6			Sedge
Cyperus lupulinus (Spreng.) Marcks	sand sedge	3			Sedge
Cyperus odoratus L.	fragrant cyperus	4	FACW		Sedge
Cyperus schweinitzii Torr.	Schweinitz's flat sedge	4	FACU+		Sedge
Cyperus squarrosus L.	bearded flat sedge	6	OBL		Sedge
Cyperus strigosus L.	nut sedge	1	FACW		Sedge
Cyperus X mesochorus Geise	midland sand sedge	5			Sedge
Cypripedium acaule Aiton	pink lady's-slipper	7	FACW		Forb
Cypripedium arietinum R.Br.	ram's-head lady's-slipper	10	FACW+	T	Forb
Cypripedium candidum Muhl. ex Willd.	white lady's-slipper	10	OBL	T	Forb
Cypripedium parviflorum Salisb.	yellow lady's-slipper	9		C	Forb
Cypripedium reginae Walter	showy lady's-slipper	9	FACW+	C	Forb
Cypripedium X andrewsii A.M.Fuller	Andrews' lady's-slipper	8	FACW		Forb
Cypripedium X favillianum J.T.Curtis	lady's-slipper	10			Forb

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<i>Cystopteris bulbifera</i> (L.) Bernh.	bladder fern; brittle bladder fern; northern fragile fern	8	FACW-		Fern
<i>Cystopteris fragilis</i> (L.) Bernh.	bladder fern	6	FACU		Fern
<i>Cystopteris laurentiana</i> (Weath.) Blasdell	Laurentian bladder fern	9			Fern
<i>Cystopteris protrusa</i> (Weath.) Blasdell	creeping fragile fern	6			Fern
<i>Cystopteris tennesseeensis</i> Shaver	Tennessee bladder fern	7			Fern
<i>Cystopteris tenuis</i> (Michx.) Desv.	MacKay's brittle fern	10			Fern
<i>Cystopteris X illinoensis</i> R.C.Moran	Illinois bladder fern				Fern
DACTYLIS GLOMERATA L.	orchard grass		FACU		Grass
<i>Dalea candida</i> Michx. ex Willd.	slender white prairie-clover	8			Forb
<i>Dalea purpurea</i> Vent. var. <i>purpurea</i>	violet prairie-clover	7			Forb
<i>Dalea villosa</i> (Nutt.) Spreng. var. <i>villosa</i>	silky prairie-clover	8		C	Forb
<i>Danthonia spicata</i> (L.) P.Beauv. ex Roem. & Schult.	poverty danthonia	4			Grass
<i>Dasistoma macrophylla</i> (Nutt.) Raf.	mullein-foxglove	8	FACU-	C	Forb
DATURA INOXIA MILL.	angel's-trumpet				Forb
DATURA STRAMONIUM L.	jimson-weed				Forb
DAUCUS CAROTA L.	Queen Anne's-lace				Forb
<i>Decodon verticillatus</i> (L.) Elliott	swamp loosestrife	7	OBL		Forb
<i>Delphinium carolinianum</i> Walter subsp. <i>virescens</i> (Nutt.) R.E.Brooks	Carolina larkspur	7			Forb
DELPHINIUM ELATUM L.	candle larkspur				Forb
<i>Dennstaedtia punctilobula</i> (Michx.) T.Moore	hay-scented fern				Fern
<i>Deparia acrostichoides</i> (Sw.) M.Kato	silvery spleenwort	10	FAC		Fern
<i>Deschampsia cespitosa</i> (L.) P.Beauv.	tufted hair grass	10	FACW+	C	Grass
<i>Deschampsia flexuosa</i> (L.) Trin.	wavy hair grass	8		C	Grass
<i>Descurainia pinnata</i> (Walter) Britton subsp. <i>brachycarpa</i> (Richardson) Detling	green tansy mustard	0			Forb
DESCURAINIA SOPHIA (L.) WEBB EX PRANTL	herb-Sophia				Forb
DESMANTHUS ILLINOENSIS (MICHX.) MACMILL. EX B.L.ROB. & FERNALD	Illinois bundle-flower		FAC-		Forb
<i>Desmodium canadense</i> (L.) DC.	Canadian tick-trefoil	4	FAC-		Forb
<i>Desmodium canescens</i> (L.) DC.	hoary tick-trefoil	7		C	Forb
<i>Desmodium cuspidatum</i> (Muhl. ex Willd.) DC. ex Loudon	bracted tick-trefoil	7			Forb
<i>Desmodium glutinosum</i> (Muhl. ex Willd.) A.W.Wood	pointed tick-trefoil	6			Forb
<i>Desmodium illinoense</i> A.Gray	Illinois tick-trefoil	7			Forb
<i>Desmodium nudiflorum</i> (L.) DC.	naked tick-trefoil	7			Forb

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Desmodium paniculatum (L.) DC. var. dillenii (Darl.) Isely	perplexed tick-trefoil	8	FACU		Forb
DIANTHUS ARMERIA L.	Deptford pink				Forb
DIANTHUS BARBATUS L.	sweet-William				Forb
DIANTHUS CARTHUSIANORUM L.	cluster-head pink				Forb
DIANTHUS DELTOIDES L.	maiden pink				Forb
DIANTHUS PLUMARIUS L.	garden pink				Forb
Diarrhena obovata (Gleason) Brandenb.	obovate beak grain	10			Grass
Dicentra canadensis (Goldie) Walp.	squirrel-corn	8			Forb
Dicentra cucullaria (L.) Bernh.	Dutchman's-breeches	7			Forb
Didiplis diandra (Nutt. ex DC.) A.W.Wood	water-purslane	5	OBL	C	Forb
Diervilla lonicera Mill.	northern bush-honeysuckle	6			Shrub
DIGITALIS LANATA EHRH.	Grecian foxglove				Forb
DIGITALIS PURPUREA L.	purple foxglove				Forb
Digitaria cognata (Schult.) Pilg. var. cognata	fall witch grass	2			Grass
DIGITARIA ISCHAEMUM (SCHREB. EX SCHWEIGG.) SCHREB. EX MUHL.	smooth crabgrass		FACU		Grass
DIGITARIA SANGUINALIS (L.) SCOP.	hairy crabgrass		FACU		Grass
Diodia teres Walter	poor-Joe	3	FACU	C	Forb
Dioscorea villosa L.	colic-root	4	FAC-		Herb. Vine
Diphasiastrum complanatum (L.) Holub	Christmas green	7	FACU+		Fern Ally
Diphasiastrum digitatum (Dill. ex A.Braun) Holub	crowfoot club-moss	6			Fern Ally
Diphasiastrum tristachyum (Pursh) Holub	blue ground-cedar	7			Fern Ally
Diphasiastrum X habereri (House) Holub	Haberer's ground-pine				Fern Ally
Diphasiastrum X zeilleri (Rouy) Holub	Zeiller's ground-pine				Fern Ally
Diplazium pycnocarpon (Spreng.) M.Broun	glade fern	10	FAC-	C	Fern
DIPLOTAXIS MURALIS (L.) DC.	sand rocket				Forb
DIPSACUS FULLONUM L. SUBSP. SYLVESTRIS (HUDS.) CLAPHAM	common teasel		NI		Forb
DIPSACUS LACINIATUS L.	cut-leaved teasel				Forb
Dirca palustris L.	rope-bark	9	FAC		Shrub
DISTICHLIS SPICATA (L.) GREENE VAR. STRICTA (TORR.) BEETLE	spike grass		FACW		Grass
Dodecatheon amethystinum (Fassett) Fassett	jeweled shooting-star	8		C	Forb
Dodecatheon meadia L. subsp. meadia	pride-of-Ohio	7	FACU		Forb

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<i>Draba arabisans</i> Michx.	rock whitlow-grass	10		C	Forb
<i>Draba cana</i> Rydb.	hoary whitlow-grass	10		E	Forb
DRABA NEMOROSA L. VAR. LEIOCARPA LINDBLOM	woodland draba				Forb
<i>Draba reptans</i> (Lam.) Fernald	Carolina whitlow-grass	5			Forb
DRABA VERNA L.	spring whitlow-grass				Forb
DRACOCEPHALUM PARVIFLORUM NUTT.	American dragonhead		FACU		Forb
<i>Drosera anglica</i> Huds.	English sundew	10	OBL	T	Forb
<i>Drosera intermedia</i> Hayne	spoon-leaf sundew	8	OBL		Forb
<i>Drosera linearis</i> Goldie	slender-leaved sundew	10	OBL	T	Forb
<i>Drosera rotundifolia</i> L.	round-leaved sundew	7	OBL		Forb
<i>Dryopteris carthusiana</i> (Vill.) H.P.Fuchs	toothed wood fern	7	FACW-		Fern
<i>Dryopteris clintoniana</i> (D.C.Eaton) Dowell	Clinton's wood fern	10	FACW+	C	Fern
<i>Dryopteris cristata</i> (L.) A.Gray	crested wood fern	7	OBL		Fern
<i>Dryopteris expansa</i> (C.Presl) Fraser- Jenk. & Jermy	northern wood fern	8	FAC	C	Fern
<i>Dryopteris filix-mas</i> (L.) Schott	male fern	10		C	Fern
<i>Dryopteris fragrans</i> (L.) Schott	fragrant fern	10		C	Fern
<i>Dryopteris goldiana</i> (Hook. ex Goldie) A.Gray	Goldie's wood fern	10	FAC		Fern
<i>Dryopteris intermedia</i> (Muhl. ex Willd.) A.Gray	fancy wood fern	7	FAC		Fern
<i>Dryopteris marginalis</i> (L.) A.Gray	marginal wood fern	9	FACU		Fern
<i>Dryopteris X boottii</i> (Tuck.) Underw. (pro sp.)	Boott's wood fern		FACW		Fern
<i>Dryopteris X pittsfordensis</i> Sloss.	Pittsford's wood fern				Fern
<i>Dryopteris X slossonae</i> Wherry ex Lellinger	Slosson's wood fern				Fern
<i>Dryopteris X triploidea</i> Wherry	triploid wood fern		FAC		Fern
<i>Dryopteris X uliginosa</i> (A.Braun ex Dowell) Druce	spinulose crested wood fern		FAC*		Fern
DUCHESNEA INDICA (ANDREWS) FOCKE	Indian strawberry		FACU-		Forb
<i>Dulichium arundinaceum</i> (L.) Britton	three-way sedge	9	OBL		Sedge
DYSSODIA PAPPOSA (VENT.) HITCHC.	fetid-marigold				Forb
<i>Echinacea pallida</i> (Nutt.) Nutt.	pale purple coneflower	7		T	Forb
ECHINACEA PURPUREA (L.) MOENCH	broad-leaved purple coneflower				Forb
ECHINOCHLOA CRUSGALLI (L.) P.BEAUV.	barnyard grass		FACW		Grass
<i>Echinochloa muricata</i> (P.Beauv.) Fernald	barnyard grass	1	OBL		Grass
<i>Echinochloa walteri</i> (Pursh) A.Heller	water-millet	8	OBL		Grass
<i>Echinocystis lobata</i> (Michx.) Torr. & A.Gray	wild-cucumber	2	FACW-		Herb. Vine

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Echinodorus berteroi (Spreng.) Fassett	erect bur-head	10	OBL	C	Aquatic
ECHINOPS SPHAEROCEPHALUS L.	great globe-thistle				Forb
ECHIUM VULGARE L.	blueweed				Forb
Eclipta prostrata (L.) L.	yerba-de-tajo	5	FACW	C	Forb
ELAEAGNUS ANGUSTIFOLIA L.	Russian olive		FACU-		Tree
ELAEAGNUS UMBELLATA THUNB.	autumn olive				Shrub
Elatine minima (Nutt.) Fisch. & C.A.Mey.	mud-purslane	9	OBL		Forb
Elatine triandra Schkuhr	water-purslane	9	OBL	C	Forb
Eleocharis acicularis (L.) Roem. & Schult.	needle spike-rush	5	OBL		Sedge
Eleocharis compressa Sull.	flat-stemmed spike-rush	9		C	Sedge
Eleocharis elliptica Kunth	elliptic spike-rush	7			Sedge
Eleocharis engelmannii Steud.	Engelmann's spike-rush	8	FACW	C	Sedge
Eleocharis equisetoides (Elliott) Torr.	horsetail spike-rush	10	OBL		Sedge
Eleocharis erythropoda Steud.	bald spike-rush	3	OBL		Sedge
Eleocharis intermedia (Muhl.) Schult.	matted spike-rush	7	FACW		Sedge
Eleocharis mamillata (H.Lindb.) H.Lindb.	mamillate spike-rush	8		C	Sedge
Eleocharis nitida Fernald	neat spike-rush	5	OBL	E	Sedge
Eleocharis obtusa (Willd.) Schult.	blunt spike-rush	3	OBL		Sedge
Eleocharis olivacea Torr. var. olivacea	bright green spike-rush	8	OBL	C	Sedge
Eleocharis ovata (Roth) Roem. & Schult.	oval spike-rush	8	OBL		Sedge
Eleocharis palustris (L.) Roem. & Schult.	common spike-rush	6	OBL		Sedge
Eleocharis quadrangulata (Michx.) Roem. & Schult.	square-stem spike-rush	10	OBL	E	Sedge
Eleocharis quinqueflora (Hartmann) Schwarz	few-flowered spike-rush	8	OBL	C	Sedge
Eleocharis robbinsii Oakes	Robbins' spike-rush	10	OBL	C	Sedge
Eleocharis rostellata (Torr.) Torr.	beaked spike-rush	10	OBL	T	Sedge
Eleocharis tenuis (Willd.) Schult. var. verrucosa (Svenson) Svenson	slender spike-rush		FACW		Sedge
Eleocharis wolfii (A.Gray) A.Gray ex Britton	Wolf's spike-rush	10	OBL	E	Sedge
ELEUSINE INDICA (L.) GAERTN.	crowfoot grass		FACU		Grass
Ellisia nyctelea (L.) L.	Aunt Lucy	2	FAC+		Forb
Elodea canadensis Michx.	Canadian waterweed	3	OBL		Aquatic
Elodea nuttallii (Planch.) H.St.John	free-flowered waterweed	7	OBL		Aquatic
ELSHOLTZIA CILIATA (THUNB.) HYL.	crested late-summer mint				Forb
Elymus canadensis L.	Canada wild-rye	4	FAC-		Grass
Elymus diversiglumis Scribn. & Ball	Minnesota wild-rye	5			Grass

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<i>Elymus hystrix</i> L.	bottlebrush grass	6			Grass
<i>Elymus riparius</i> Wiegand	riverbank wild-rye	6	FACW		Grass
<i>Elymus</i> sp. nov. aff. <i>E. glabriflorus</i> L.		7			Grass
<i>Elymus submuticus</i> (Hook.) Smyth	awnless wild-rye	6			Grass
<i>Elymus trachycaulus</i> (Link) Gould ex Shinners	slender wheat grass	4	FAC		Grass
<i>Elymus villosus</i> Muhl. ex Willd. var. <i>villosus</i>	downy wild-rye	6	FACU		Grass
<i>Elymus virginicus</i> L. var. <i>virginicus</i>	Virginia wild-rye	6	FACW-		Grass
<i>Elymus wiegandii</i> Fernald	northern riverbank wild-rye	7	FAC		Grass
<i>Elymus</i> X <i>ebingeri</i> G.C.Tucker	Ebinger's wild-rye				Grass
<i>Elymus</i> X <i>maltei</i> Bowden					Grass
<i>Elytrigia dasystachya</i> (Hook.) A.Löve & D.Löve	thick-spike wheat grass	10			Grass
ELYTRIGIA REPENS (L.) DESV. EX B.D.JACKS.	quackgrass		FACU		Grass
ELYTRIGIA SMITHII (RYDB.) NEVSKI	western wheat grass		FACU+		Grass
<i>Enemion biternatum</i> Raf.	rue anemone	7	FAC		Forb
<i>Epifagus virginiana</i> (L.) W.P.C.Barton	beech-drops	9			Forb
<i>Epigaea repens</i> L.	trailing-arbutus	7			Shrub
<i>Epilobium angustifolium</i> L. subsp. <i>circumvagum</i> Mosquin	fireweed	3	FAC		Forb
EPILOBIUM BRACHYCARPUM C.PRESL	annual willow-herb		NI		Forb
<i>Epilobium ciliatum</i> Raf.	American willow-herb	3	FACU		Forb
<i>Epilobium coloratum</i> Biehler	cinnamon willow-herb	3	OBL		Forb
EPILOBIUM HIRSUTUM L.	codlins-and-cream		FACW+		Forb
<i>Epilobium leptophyllum</i> Raf.	American marsh willow-herb	8	OBL		Forb
<i>Epilobium palustre</i> L.	marsh willow-herb	8	OBL	C	Forb
<i>Epilobium strictum</i> Muhl. ex Spreng.	downy willow-herb	10	OBL	C	Forb
<i>Epilobium</i> X <i>wisconsinense</i> Ugent	Wisconsin willow-herb				Forb
EPIPACTIS HELLEBORINE (L.) CRANTZ	helleborine				Forb
<i>Equisetum arvense</i> L.	common horsetail	1	FAC		Fern Ally
<i>Equisetum fluviatile</i> L.	pipes	7	OBL		Aquatic
<i>Equisetum hyemale</i> L. subsp. <i>affine</i> (Engelm.) Calder & Roy L.Taylor	common scouring rush	3	FACW-		Fern Ally
<i>Equisetum laevigatum</i> A.Braun	smooth horsetail	2	FACW		Fern Ally
<i>Equisetum palustre</i> L.	marsh horsetail	10	FACW	C	Fern Ally
<i>Equisetum pratense</i> Ehrh.	meadow horsetail	9	FACW		Fern Ally
<i>Equisetum scirpoides</i> Michx.	sedge horsetail	7	FAC+		Fern Ally
<i>Equisetum sylvaticum</i> L.	wood horsetail	7	FACW		Fern Ally
<i>Equisetum variegatum</i> Schleich. ex F.Weber & D.Mohr subsp. <i>variegatum</i>	variegated horsetail	7	FACW	C	Fern Ally

Scientific Name	Common Name	Cof C	Region 3	E/T/SC	Growth Form
Equisetum X ferrissii Clute (pro sp.)	Ferriss' horsetail	2	FACW		Fern Ally
Equisetum X litorale Kühlew. ex Rupr. (pro sp.)	shore horsetail		OBL		Fern Ally
Equisetum X mackaii (Newman) Brichan	MacKay's horsetail	3			Fern Ally
Equisetum X nelsonii (A.A.Eaton) J.H.Schaffn. (pro sp.)	Nelson's horsetail	4	FAC+		Fern Ally
Eragrostis capillaris (L.) Nees	lace grass	1			Grass
ERAGROSTIS CILIANENSIS (ALL.) VIGNOLO EX JANCH.	stink grass		FACU		Grass
Eragrostis frankii C.A.Mey. ex Steud.	sandbar love grass	5	FACW		Grass
Eragrostis hypnoides (Lam.) Britton; Sterns & Poggenb.	creeping love grass	7	OBL		Grass
ERAGROSTIS MEXICANA (HORNEM.) LINK SUBSP. MEXICANA	Mexican love grass		FAC		Grass
ERAGROSTIS MINOR HOST	little love grass				Grass
Eragrostis pectinacea (Michx.) Nees ex Steud. var. pectinacea	Carolina love grass	0	FAC		Grass
ERAGROSTIS PILOSA (L.) P.BEAUV. VAR. PILOSA	Indian love grass		FACU		Grass
Eragrostis spectabilis (Pursh) Steud.	purple love grass	3	UPL		Grass
ERAGROSTIS TRICHODES (NUTT.) A.W.WOOD	sand love grass				Grass
Erechtites hieracifolia (L.) Raf. ex DC. var. hieracifolia	fireweed	2	FACU		Forb
Erigeron bulbosa (Michx.) Nutt.	harbinger-of-spring	10		E	Forb
Erigeron annuus (L.) Pers.	annual fleabane	0	FAC-		Forb
Erigeron glabellus Nutt. var. pubescens Hook.	streamside fleabane	7			Forb
Erigeron philadelphicus L.	Philadelphia daisy	2	FACW		Forb
Erigeron pulchellus Michx. var. pulchellus	Robin's-plantain	4	FACU		Forb
Erigeron strigosus Muhl. ex Willd.	daisy fleabane	2	FAC-		Forb
Eriocaulon aquaticum (Hill) Druce	white buttons	9	OBL		Aquatic
ERIOCHLOA VILLOSA (THUNB.) KUNTH	Chinese cup grass				Grass
Eriophorum alpinum L.	alpine cotton-grass	10	OBL		Sedge
Eriophorum angustifolium Honck. subsp. angustifolium	cotton-grass	9	OBL		Sedge
Eriophorum chamissonis C.A.Mey.	Chamisso's cotton-grass	10	OBL	C	Sedge
Eriophorum gracile W.D.J.Koch ex Roth	slender cotton-grass	10	OBL		Sedge
Eriophorum tenellum Nutt.	cotton-grass sedge	10	OBL		Sedge
Eriophorum vaginatum L. subsp. spissum (Fernald) Hultén	tussock cotton-grass	10	OBL		Sedge
Eriophorum virginicum L.	rusty cotton-grass	10	OBL		Sedge

Scientific Name	Common Name	Cof C	Region 3	E/T/SC	Growth Form
Eriophorum viridi-carinatum (Engelm.) Fernald	dark-scale cotton-grass	10	OBL		Sedge
ERODIUM CICUTARIUM (L.) L'HÉR. EX AITON	stork's-bill				Forb
ERUCASTRUM GALLICUM (WILLD.) O.E.SCHULZ	dog-mustard				Forb
ERYNGIUM PLANUM L.	plains eryngo				Forb
Eryngium yuccifolium Michx.	rattlesnake-master	8	FAC+		Forb
ERYSIMUM CAPITATUM (DOUGLAS EX HOOK.) GREENE VAR. CAPITATUM	sand-dune wallflower				Forb
ERYSIMUM CHEIRANTHOIDES L.	worm-seed wallflower		FACU		Forb
ERYSIMUM DURUM J.PRESL & C.PRESL	wallflower				Forb
ERYSIMUM INCONSPICUUM (S.WATSON) MACMILL.	shy wallflower				Forb
Erythronium albidum Nutt.	white trout-lily	7			Forb
Erythronium americanum Ker Gawl.	yellow trout-lily	7			Forb
ESCHSCHOLZIA CALIFORNICA CHAM.	California poppy				Forb
EUONYMUS ALATA (THUNB.) SIEBOLD	winged burning-bush				Shrub
Euonymus atropurpurea Jacq. var. atropurpurea	burning-bush	7	FAC-		Shrub
EUONYMUS EUROPAEA L.	European spindle-tree				Shrub
Eupatorium altissimum L.	upland boneset	4			Forb
Eupatorium maculatum L.	spotted Joe-Pye-weed	4			Forb
Eupatorium perfoliatum L. var. perfoliatum	boneset	6	FACW+		Forb
Eupatorium purpureum L.	green-stemmed Joe-Pye- weed	6	FAC		Forb
Eupatorium rugosum Houtt. var. rugosum	white snakeroot	1	FACU		Forb
EUPATORIUM SEROTINUM MICHX.	late boneset		FAC+		Forb
Eupatorium sessilifolium L. var. brittonianum Porter	woodland boneset	9		C	Forb
Euphorbia commutata Engelm.	tinted spurge	7	UPL	C	Forb
Euphorbia corollata L.	flowering spurge	4			Forb
Euphorbia cyathophora Murray	fire-on-the-mountain	6	NI		Forb
EUPHORBIA CYPARISSIAS L.	graveyard spurge				Forb
Euphorbia dentata Michx.	toothed spurge	1			Forb
EUPHORBIA ESULA L. VAR. ESULA	leafy spurge				Forb
EUPHORBIA HELIOSCOPIA L.	mad-woman's-milk				Forb
EUPHORBIA MARGINATA PURSH	snow-on-the-mountain		FACU-		Forb
Euphorbia obtusata Pursh	woodland spurge	5	FACU*	C	Forb
EUPHORBIA PEPLUS L.	petty spurge				Forb
EUPHRASIA STRICTA D.WOLFF EX J.F.LEHM.	drug eye-bright				Forb

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Euthamia graminifolia (L.) Nutt. var. graminifolia	grass-leaved goldenrod	4	FAC		Forb
Euthamia gymnospermoides Greene	Great Plains flat-topped goldenrod	6	FACW		Forb
Euthamia tenuifolia (Pursh) Nutt. var. tenuifolia	slender goldentop	10	FAC+		Forb
FAGOPYRUM ESCULENTUM MOENCH	buckwheat				Forb
Fagus grandifolia Ehrh.	American beech	8	FACU		Tree
FALCARIA VULGARIS BERNH.	sickle-weed				Forb
FESTUCA ARUNDINACEA SCHREB.	reed fescue		FACU+		Grass
FESTUCA DIFFUSA DUMORT.	spreading fescue				Grass
Festuca occidentalis Hook.	western fescue	10		T	Grass
Festuca paradoxa Desv.	cluster fescue	7	FAC	C	Grass
FESTUCA PRATENSIS HUDS.	rye grass		FACU-		Grass
FESTUCA RUBRA L.	red fescue		FAC-		Grass
Festuca saximontana Rydb. subsp. saximontana	Rocky Mountain fescue	7			Grass
Festuca subverticillata (Pers.) E.B.Alexeev	nodding fescue	4	FACU+		Grass
FESTUCA TRACHYPHYLLA (HACK.) KRAJINA	sheep fescue				Grass
FILIPENDULA RUBRA (HILL) B.L.ROB.	queen-of-the-prairie		FACW+		Forb
FILIPENDULA ULMARIA (L.) MAXIM. SUBSP. ULMARIA	queen-of-the-meadow				Forb
Fimbristylis autumnalis (L.) Roem. & Schult.	slender fringe-rush	8	FACW+		Sedge
Fimbristylis puberula (Michx.) Vahl var. puberula	chestnut sedge	10	OBL	E	Sedge
Floerkea proserpinacoides Willd.	mermaid	8	FAC+		Forb
FOENICULUM VULGARE MILL.	sweet fennel		NI		Forb
Fragaria vesca L. subsp. americana (Porter) Staudt	hillside strawberry	3			Forb
Fragaria virginiana Duchesne	wild strawberry	1	FAC-		Forb
Fraxinus americana L.	white ash	5	FACU		Tree
Fraxinus nigra Marshall	black ash	8	FACW+		Tree
Fraxinus pennsylvanica Marshall	green ash	2	FACW		Tree
Fraxinus quadrangulata Michx.	blue ash	10		T	Tree
Froelichia floridana (Nutt.) Moq. var. campestris (Small) Fernald	plains snake-cotton	5			Forb
FROELICHIA GRACILIS (HOOK.) MOQ.	small cotton-weed				Forb
Fuirena pumila (Torr.) Spreng.	umbrella-grass	10	OBL	E	Sedge
FUMARIA OFFICINALIS L.	fumitory				Forb
GAILLARDIA ARISTATA PURSH	common blanket-flower				Forb
Galearis spectabilis (L.) Raf.	showy orchis	6			Forb

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GALEOPSIS LADANUM L. VAR. ANGUSTIFOLIA (EHRH.EX HOFFM.) WALLR.	hemp-nettle				Forb
GALEOPSIS TETRAHIT L.	brittle-stem hemp-nettle				Forb
GALINSOGA PARVIFLORA CAV.	gallant-soldier				Forb
GALINSOGA QUADRIRADIATA RUIZ & PAV.	shaggy-soldier				Forb
Galium aparine L.	sticky-willy	2	FACU		Forb
Galium asprellum Michx.	rough bedstraw	7	OBL		Forb
Galium boreale L.	northern bedstraw	5	FAC		Forb
Galium brevipes Fernald & Wiegand	limestone swamp bedstraw	10	OBL		Forb
Galium circaezans Michx. var. hypomalacum Fernald	licorice bedstraw	7	FACU-		Forb
Galium concinnum Torr. & A.Gray	pretty bedstraw	6	FACU		Forb
Galium labradoricum (Wiegand) Wiegand	Labrador marsh bedstraw	10	OBL		Forb
Galium lanceolatum Torr.	wild licorice	7			Forb
GALIUM MOLLUGO L.	baby's-breath				Forb
Galium obtusum Bigelow subsp. obtusum	blunt-leaf bedstraw	6	FACW+		Forb
GALIUM PALUSTRE L.	marsh bedstraw		NI	C	Forb
Galium tinctorium L.	stiff bedstraw	5	OBL		Forb
Galium trifidum L. subsp. trifidum	small bedstraw	6	FACW+		Forb
Galium triflorum Michx.	sweet-scented bedstraw	5	FACU+		Forb
GALIUM VERUM L.	yellow bedstraw				Forb
Gaultheria hispidula (L.) Muhl. ex Bigelow	creeping-snowberry	8	FACW		Shrub
Gaultheria procumbens L.	checkerberry	6	FACU		Shrub
Gaura biennis L.	biennial bee-blossom	2	FACU-		Forb
GAURA COCCINEA NUTT. EX PURSH	scarlet gaura				Forb
GAURA LONGIFLORA SPACH	long-flower bee-blossom				Forb
Gaylussacia baccata (Wangenh.) K.Koch	huckleberry	6	FACU		Shrub
GENISTA TINCTORIA L.	dyer's greenweed				Shrub
Gentiana alba Muhl. ex Nutt.	yellow gentian	7	FACU	T	Forb
Gentiana andrewsii Griseb. var. andrewsii	bottle gentian	6	FACW		Forb
Gentiana puberulenta J.S.Pringle	downy gentian	9			Forb
Gentiana rubricaulis Schwein.	closed gentian	7	OBL		Forb
Gentiana X billingtonii Farw. (pro sp.)	Billington's gentian				Forb
Gentiana X curtisii J.S.Pringle	Curtis' gentian				Forb
Gentiana X grandilacustris J.S.Pringle	Grand Lake gentian				Forb
Gentiana X pallidocyanea J.S.Pringle	gentian				Forb

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Gentianella quinquefolia (L.) Small subsp. occidentalis (A.Gray) J.M.Gillett	stiff gentian	7	FAC		Forb
Gentianopsis crinita (Froel.) Ma	fringed gentian	6	FACW+		Forb
Gentianopsis procera (Holm) Ma	lesser fringed gentian	8	OBL*	C	Forb
Geocaulon lividum (Richardson) Fernald	toadflax	10	FACW-	E	Forb
Geranium bicknellii Britton var. bicknellii	Bicknell's crane's-bill	4			Forb
Geranium carolinianum L.	Carolina crane's-bill	3			Forb
GERANIUM COLUMBINUM L.	long-stalked crane's-bill				Forb
Geranium maculatum L.	wild geranium	4	FACU		Forb
GERANIUM MOLLE L.	geranium				Forb
GERANIUM PUSILLUM BURM.F.	small geranium				Forb
Geranium robertianum L.	Robert's geranium	2			Forb
GERANIUM SIBIRICUM L.	Siberian geranium				Forb
Geum aleppicum Jacq.	yellow avens	3	FAC+		Forb
Geum canadense Jacq.	white avens	2	FAC		Forb
Geum laciniatum Murray	rough avens	5	FACW		Forb
Geum macrophyllum Willd.	large-leaved avens	6	FACW+		Forb
Geum rivale L.	water avens	8	OBL		Forb
Geum triflorum Pursh var. triflorum	prairie-smoke	7	FACU-		Forb
GEUM URBANUM L.	herb bennet				Forb
Geum vernum (Raf.) Torr. & A.Gray	spring avens	5	FAC-		Forb
GEUM VIRGINIANUM L.	cream avens		FACU-		Forb
GILIA ACHILLEIFOLIA BENTH. SUBSP. MULTICAULIS (BENTH.) V.E.GRANT & A.L.GRANT	California gilia				Forb
GLECHOMA HEDERACEA L.	creeping-Charlie		FACU		Forb
Gleditsia triacanthos L.	honey locust	7	FAC		Tree
Glyceria borealis (Nash) Batch.	northern manna grass	8	OBL		Grass
Glyceria canadensis (Michx.) Trin.	rattlesnake grass	7	OBL		Grass
Glyceria grandis S.Watson	American manna grass	6			Grass
GLYCERIA MAXIMA (HARTM.) HOLMB.	English water grass		OBL		Grass
Glyceria septentrionalis Hitchc.	floating manna grass	8	OBL		Grass
Glyceria striata (Lam.) Hitchc.	owl meadow grass	4	OBL		Grass
GLYCINE MAX (L.) MERR.	soybean				Forb
Glycyrrhiza lepidota Pursh	wild licorice	3	FACU-	C	Forb
Gnaphalium helleri Britton var. micradenium (Weath.) Mahler	rabbit-tobacco	6		C	Forb
Gnaphalium macounii Greene	clammy cudweed	2			Forb
Gnaphalium obtusifolium L. var. obtusifolium	rabbit-tobacco	3			Forb
GNAPHALIUM OBTUSIFOLIUM L. X G. ULIGINOSUM L.					Forb
Gnaphalium saxicola Fassett	rabbit-tobacco	10		T	Forb
Gnaphalium sylvaticum L.	woodland cudweed	5		C	Forb
GNAPHALIUM ULIGINOSUM L.	marsh cudweed		FAC		Forb
Goodyera oblongifolia Raf.	giant rattlesnake-plantain	8	UPL	C	Forb

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<i>Goodyera pubescens</i> (Willd.) R.Br.	downy rattlesnake-plantain	7	FAC*		Forb
<i>Goodyera repens</i> (L.) R.Br. var. <i>ophioides</i> Fernald	creeping rattlesnake-plantain	9	FACU		Forb
<i>Goodyera repens</i> (L.) R.Br. var. <i>ophioides</i> Fernald X <i>G. tessellata</i> Lodd.					Forb
<i>Goodyera tessellata</i> Lodd.	checkered rattlesnake-plantain	7	FACU		Forb
<i>Gratiola aurea</i> Pursh	golden-pert	10	OBL		Forb
<i>Gratiola neglecta</i> Torr.	clammy hedge-hyssop	5	OBL		Forb
GRINDELIA LANCEOLATA NUTT. VAR. LANCEOLATA	spiny-tooth gum-weed				Forb
GRINDELIA SQUARROSA (PURSH) DUNAL	gum-weed		FACU		Forb
GUIZOTIA ABYSSINICA (L.F.) CASS.	ramtilla				Forb
<i>Gymnocarpium dryopteris</i> (L.) Newman	common oak fern	7	FAC		Fern
<i>Gymnocarpium jessoense</i> (Koidz.) Koidz. subsp. <i>parvulum</i> Sarvela	northern oak fern	10		C	Fern
<i>Gymnocarpium robertianum</i> (Hoffm.) Newman	limestone oak fern	10	FACU	C	Fern
<i>Gymnocarpium X intermedium</i> Sarvela	intermediate oak fern				Fern
<i>Gymnocladus dioica</i> (L.) K.Koch	Kentucky coffee-tree	7		C	Tree
GYP SOPHILA ACUTIFOLIA STEVEN EX SPRENG.	big baby's-breath				Forb
GYP SOPHILA ELEGANS M.BIEB.	showy baby's-breath				Forb
GYP SOPHILA MURALIS L.	cushion baby's-breath				Forb
GYP SOPHILA PANICULATA L.	common baby's-breath				Forb
GYP SOPHILA SCORZONERIFOLIA SER.	garden baby's-breath				Forb
<i>Hackelia deflexa</i> (Wahlenb.) Opiz var. <i>americana</i> (A.Gray) Fernald & I.M.Johnst.	nodding stickseed	3			Forb
<i>Hackelia virginiana</i> (L.) I.M.Johnst.	beggar's-lice	3	FAC-		Forb
<i>Halenia deflexa</i> (Sm.) Griseb. subsp. <i>deflexa</i>	American spurred-gentian	7	FAC		Forb
<i>Hamamelis virginiana</i> L.	American witch-hazel	7	FACU		Shrub
<i>Hasteola suaveolens</i> (L.) Pojark.	sweet Indian-plantain	8	OBL		Forb
<i>Hedeoma hispida</i> Pursh	rough pennyroyal	1			Forb
<i>Hedeoma pulegioides</i> (L.) Pers.	American pennyroyal	3			Forb
HELENIUM AMARUM (RAF.) H.ROCK VAR. AMARUM	bitter-weed		FACU		Forb
<i>Helenium autumnale</i> L. var. <i>autumnale</i>	common sneezeweed	4	FACW+		Forb
HELENIUM FLEXUOSUM RAF.	purple-head sneezeweed		FAC+		Forb
<i>Helianthemum bicknellii</i> Fernald	Bicknell's rock-rose	6			Forb

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<i>Helianthemum canadense</i> (L.) Michx.	common rock-rose	6			Forb
HELIANTHUS ANNUUS L.	common sunflower		FAC-		Forb
<i>Helianthus decapetalus</i> L.	forest sunflower	7	UPL*		Forb
<i>Helianthus divaricatus</i> L.	divaricate sunflower	5			Forb
<i>Helianthus giganteus</i> L.	tall sunflower	4	FACW		Forb
<i>Helianthus grosseserratus</i> M.Martens	saw-tooth sunflower	2	FACW-		Forb
<i>Helianthus hirsutus</i> Raf.	rough sunflower	5			Forb
HELIANTHUS MAXIMILIANII SCHRAD.	Maximilian's sunflower		UPL		Forb
<i>Helianthus mollis</i> Lam.	soft sunflower	5			Forb
<i>Helianthus occidentalis</i> Riddell subsp. <i>occidentalis</i>	western sunflower	6	FACU-		Forb
<i>Helianthus pauciflorus</i> Nutt.	stiff sunflower	7			Forb
<i>Helianthus petiolaris</i> Nutt. subsp. <i>petiolaris</i>	prairie sunflower	0			Forb
HELIANTHUS SALICIFOLIUS A.DIETR.	willow-leaved sunflower				Forb
<i>Helianthus strumosus</i> L.	pale-leaved woodland sunflower	4			Forb
<i>Helianthus tuberosus</i> L.	Jerusalem-artichoke	2	FAC		Forb
<i>Helianthus X ambiguus</i> (A.Gray) Britton (pro sp.)	ambiguous sunflower				Forb
HELIANTHUS X KELLERMANI BRITTON (PRO SP.)	Kellerman's sunflower				Forb
<i>Helianthus X laetiflorus</i> Pers. (pro sp.)	cheerful sunflower				Forb
<i>Helianthus X luxurians</i> E.Watson (pro sp.)	luxuriant sunflower				Forb
<i>Heliopsis helianthoides</i> (L.) Sweet	sunflower-everlasting	5			Forb
HEMEROCALLIS FULVA (L.) L.	orange daylily				Forb
HEMEROCALLIS LILIOASPHODELUS L.	lemon daylily				Forb
<i>Heracleum lanatum</i> Michx.	American cow-parsnip	3	FACW		Forb
HERNIARIA HIRSUTA L. SUBSP. CINEREA (DC.) COUT.	hairy rupture-wort				Forb
HESPERIS MATRONALIS L.	dame's rocket				Forb
<i>Heterotheca villosa</i> (Pursh) Shinnery	hairy golden aster	5			Forb
<i>Heuchera richardsonii</i> R.Br.	prairie alumroot	7	FAC-		Forb
<i>Hibiscus laevis</i> All.	smooth rose mallow	6	OBL		Forb
HIBISCUS MOSCHEUTOS L. SUBSP. MOSCHEUTOS	rose mallow		OBL	C	Forb
HIBISCUS TRIONUM L.	flower-of-an-hour				Forb
HIERACIUM AURANTIAECUM L.	devil's-paintbrush				Forb
HIERACIUM CAESPITOSUM DUMORT.	yellow king-devil				Forb
<i>Hieracium kalmii</i> L.	Kalm's hawkweed	5			Forb

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HIERACIUM LACHENALII C.C.GMEL.	hawkweed				Forb
Hieracium longipilum Torr. ex Hook.	prairie hawkweed	6			Forb
HIERACIUM MURORUM L.	wall hawkweed				Forb
HIERACIUM PILOSELLOIDES VILL.	glaucous king-devil				Forb
Hieracium scabrum Michx.	sticky hawkweed	6			Forb
Hieracium umbellatum L.	northern hawkweed	6			Forb
HIERACIUM X ATRAMENTARIUM (Nägeli & Peter) Zahn ex Engl. (pro sp.)	hawkweed				Forb
Hieracium X fassettii Lepage	Fassett's hawkweed				Forb
Hierochloa hirta (Schrank) Borbás subsp. arctica (J.Presl) G.Weim.	vanilla grass	7			Grass
Hippuris vulgaris L.	mare's-tail	10	OBL		Aquatic
HOLCUS LANATUS L.	velvet grass		FACU-		Grass
HOLOSTEUM UMBELLATUM L.	jagged chickweed				Forb
HORDEUM JUBATUM L.	squirrel-tail grass		FAC+		Grass
HORDEUM PUSILLUM NUTT.	little barley		FAC		Grass
HORDEUM VULGARE L.	common barley				Grass
Houstonia caerulea L.	Quaker-ladies	7	FAC	C	Forb
Houstonia longifolia Gaertn.	long-leaved bluets	6			Forb
Hudsonia tomentosa Nutt. var. tomentosa	heather	8			Evergreen Shrub
HUMULUS JAPONICUS SIEBOLD & ZUCC.	Japanese hop		FACU		Herb. Vine
Humulus lupulus L.	common hop	3	FACU*		Herb. Vine
Huperzia appalachiana Beitel & Mickel	Appalachian club-moss	10		C	Fern Ally
Huperzia lucidula (Michx.) Trevis.	shining club-moss	7	FAC+		Fern Ally
Huperzia porophila (F.E.Lloyd & Underw.) Holub	rock club-moss	10	FACU-	C	Fern Ally
Huperzia selago (L.) Bernh. ex Mart. & Schrank	fir club-moss	10	FACU-	C	Fern Ally
Huperzia X bartleyi (Cusick) Kartesz & Gandhi	Bartley's club-moss				Fern Ally
Huperzia X buttersii (Abbe) Kartesz & Gandhi	Butters' club-moss				Fern Ally
Hybanthus concolor (T.F.Forst.) Spreng.	green-violet	10	FACU+	C	Forb
Hydrastis canadensis L.	goldenseal	10		C	Forb
Hydrocotyle americana L.	American marsh pennywort	7	OBL		Forb
Hydrophyllum appendiculatum Michx.	great water-leaf	8			Forb
Hydrophyllum virginianum L.	John's-cabbage	4	FACW-		Forb
Hypericum boreale (Britton) E.P.Bicknell	northern St. John's-wort	6	OBL		Forb
Hypericum canadense L.	St. John's-wort	7	FACW		Forb
Hypericum ellipticum Hook.	creeping St. John's-wort	9	OBL		Forb

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Hypericum gentianoides (L.) Britton; Sterns & Poggenb.	orange-grass	7	FACU		Forb
Hypericum kalmianum L.	Kalm's St. John's-wort	9	FACW-		Shrub
Hypericum majus (A.Gray) Britton	larger Canadian St. John's-wort	5	FACW		Forb
Hypericum mutilum L.	weak St. John's-wort	7	FACW		Forb
HYPERICUM PERFORATUM L.	St. John's-wort				Forb
Hypericum prolificum L.	shrubby St. John's-wort	5	FACU		Shrub
Hypericum punctatum Lam.	spotted St. John's-wort	4	FAC+		Forb
Hypericum pyramidatum Aiton	great St. John's-wort	6	FAC+		Forb
Hypericum sphaerocarpum Michx.	round-seeded St. John's-wort	7	FACU	T	Forb
Hypericum X dissimulatum E.P.Bicknell	disguised St. John's-wort		NI		Forb
HYPOCHAERIS RADICATA L.	dandelion				Forb
Hypoxis hirsuta (L.) Coville	yellow star-grass	8	FACW		Forb
HYSSOPUS OFFICINALIS L.	hyssop				Forb
IBERIS UMBELLATA L.	globe candytuft				Forb
Ilex mucronata (L.) M.Powell; V.Savolainen & S.Andrews	mountain holly	8	OBL		Shrub
Ilex verticillata (L.) A.Gray	common winterberry	7	FACW+		Shrub
IMPATIENS BALFOURII HOOK.F.	Balfour's touch-me-not				Forb
IMPATIENS BALSAMINA L.	balsam				Forb
Impatiens capensis Meerb.	orange jewelweed	2	FACW		Forb
Impatiens pallida Nutt.	yellow touch-me-not	6	FACW		Forb
INULA HELENIUM L.	elecampane				Forb
IODANTHUS PINNATIFIDUS (MICHX.) STEUD.	purple rocket		FACW		Forb
IPOMOEA HEDERACEA JACQ.	ivy-leaved morning-glory		FAC		Herb. Vine
IPOMOEA PURPUREA (L.) ROTH	common morning-glory		FACU-		Herb. Vine
IPOMOPSIS RUBRA (L.) WHERRY	standing-cypress				Forb
IRIS GERMANICA L.	flag				Forb
Iris lacustris Nutt.	dwarf lake iris	9	FAC		Forb
IRIS PSEUDACORUS L.	water flag		OBL		Forb
IRIS PUMILA L.	dwarf iris				Forb
Iris versicolor L.	northern blue flag	5	OBL		Forb
Iris virginica L. var. shrevei (Small) E.S.Anderson	Virginia iris	5	OBL		Forb
Isoetes echinospora Durieu	stiff quillwort	8	OBL		Aquatic
Isoetes lacustris L.	large-spored quillwort	8	OBL		Aquatic
Isoetes X hickeyi W.C.Taylor & Luebke	Hickey's quillwort				Aquatic
IVA ANNUA L. VAR. ANNUA	rough marsh-elder		FAC		Forb
IVA AXILLARIS PURSH	poverty-weed				Forb
Iva xanthifolia Nutt.	bur-weed marsh-elder	0	FAC		Forb
Jeffersonia diphylla (L.) Pers.	rheumatism root	9		C	Forb
JOVIBARBA HEUFFELII (SCHOTT) A.LÖVE & D.LÖVE	hen-and-chickens				Forb
Juglans cinerea L.	butternut	6	FACU+	C	Tree
Juglans nigra L.	black walnut	3	FACU		Tree

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<i>Juncus acuminatus</i> Michx.	tufted rush	6	OBL		Rush
<i>Juncus alpinoarticulatus</i> Chaix	northern green rush	6	OBL		Rush
<i>Juncus antheratus</i> (Wiegand) R.E.Brooks		3			Rush
<i>Juncus arcticus</i> Willd. subsp. littoralis (Engelm.) Hultén	wire rush	5	OBL		Rush
JUNCUS ARTICULATUS L.	jointed rush		OBL		Rush
<i>Juncus brachycephalus</i> (Engelm.) Buchenau	small-headed rush	9	OBL		Rush
<i>Juncus brevicaudatus</i> (Engelm.) Fernald	narrow-panicle rush	6	OBL		Rush
<i>Juncus bufonius</i> L.	toad rush	3	FACW+		Rush
<i>Juncus canadensis</i> J.Gay ex Laharpe	Canadian rush	7	OBL		Rush
JUNCUS COMPRESSUS JACQ.	round-fruited rush				Rush
<i>Juncus dudleyi</i> Wiegand	Dudley's rush	4			Rush
<i>Juncus effusus</i> L.	common rush	4	OBL		Rush
JUNCUS ENSIFOLIUS WIKSTR. VAR. ENSIFOLIUS	sword-leaf rush				Rush
<i>Juncus filiformis</i> L.	thread rush	7	FACW		Rush
JUNCUS GERARDII LOISEL.	black-grass		OBL		Rush
<i>Juncus greenei</i> Oakes & Tuck.	Greene's rush	7	FAC		Rush
<i>Juncus interior</i> Wiegand	inland rush	6	FAC+		Rush
<i>Juncus marginatus</i> Rostk.	grass-leaved rush	7	FACW	C	Rush
<i>Juncus nodosus</i> L.	joint rush	6	OBL		Rush
<i>Juncus pelocarpus</i> E.Mey.	brown-fruited rush	8	OBL		Rush
JUNCUS SQUARROSUS L.	mosquito rush		NI		Rush
<i>Juncus stygius</i> L. subsp. americanus (Buchenau) Hultén	bog rush; moor rush	10	OBL	E	Rush
<i>Juncus tenuis</i> Willd.	path rush	1	FAC		Rush
<i>Juncus torreyi</i> Coville	Torrey's rush	4	FACW		Rush
<i>Juncus vaseyi</i> Engelm.	Vasey's rush	3	FACW	C	Rush
<i>Juncus X gracilescens</i> F.J.Herm. ex Wadmond					Rush
<i>Juncus X nodosiformis</i> Fernald					Rush
<i>Juniperus communis</i> L. var. depressa Pursh	common juniper	3			Shrub
<i>Juniperus horizontalis</i> Moench	creeping juniper	9	FAC-		Shrub
<i>Juniperus virginiana</i> L. var. virginiana	eastern red-cedar	3	FACU		Tree
<i>Kalmia polifolia</i> Wangenh.	swamp-laurel	10	OBL		Shrub
KICKXIA ELATINE (L.) DUMORT.	sharp-leaved cancerwort		FAC		Forb
KICKXIA SPURIA (L.) DUMORT.	round-leaved cancerwort				Forb
KNAUTIA ARVENSIS (L.) COULT.	blue-buttons				Forb
KOCHIA SCOPARIA (L.) SCHRAD.	summer-cypress		FACU-		Forb
<i>Koeleria macrantha</i> (Ledeb.) Schult.	June grass	7			Grass
<i>Krigia biflora</i> (Walter) S.F.Blake	orange dwarf-dandelion	4	FACU		Forb
<i>Krigia virginica</i> (L.) Willd.	Virginia dwarf-dandelion	6	UPL		Forb
<i>Kuhnia eupatorioides</i> L. var. <i>corymbulosa</i> Torr. & A.Gray	boneset	5			Forb
<i>Lactuca biennis</i> (Moench) Fernald	woodland lettuce	3	FAC		Forb

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<i>Lactuca canadensis</i> L.	wild lettuce	2	FACU+		Forb
<i>Lactuca floridana</i> (L.) Gaertn.	blue lettuce	5	FAC-		Forb
<i>Lactuca ludoviciana</i> (Nutt.) Riddell	prairie lettuce	5	UPL		Forb
LACTUCA PULCHELLA (PURSH) DC.	showy blue lettuce		FAC		Forb
LACTUCA SERRIOLA L.	compass-plant		FAC		Forb
LAMIUM AMPLEXICAULE L.	dead-nettle				Forb
LAMIUM MACULATUM L.	red dead-nettle				Forb
LAMIUM PURPUREUM L.	red dead-nettle				Forb
<i>Laportea canadensis</i> (L.) Wedd.	Canadian wood-nettle	4	FACW		Forb
LAPPULA REDOWSKII (HORNEM.) GREENE VAR. REDOWSKII	western stickseed				Forb
LAPPULA SQUARROSA (RETZ.) DURMORT.	European stickseed				Forb
LAPSANA COMMUNIS L.	nipplewort				Forb
<i>Larix laricina</i> (Du Roi) K.Koch	tamarack	8	FACW		Tree
<i>Lathyrus japonicus</i> Willd.	beach pea	9	FACU-		Forb
LATHYRUS LATIFOLIUS L.	everlasting pea				Forb
<i>Lathyrus ochroleucus</i> Hook.	white pea	7			Forb
<i>Lathyrus palustris</i> L.	marsh pea	5	FACW		Forb
LATHYRUS PRATENSIS L.	meadow pea		FACU*		Forb
LATHYRUS SYLVESTRIS L.	perennial pea				Forb
LATHYRUS TUBEROSUS L.	tuberous sweet pea				Forb
<i>Lathyrus venosus</i> Muhl. ex Willd.	forest pea	6	FAC		Forb
<i>Lechea intermedia</i> Legg. ex Britton var. <i>intermedia</i>	large-pod pinweed	5			Forb
<i>Lechea stricta</i> Legg. ex Britton	prairie pinweed	6			Forb
<i>Lechea tenuifolia</i> Michx.	slender-leaved pinweed	7			Forb
<i>Ledum groenlandicum</i> Oeder	Labrador-tea	8	OBL		Shrub
<i>Leersia lenticularis</i> Michx.	catchfly grass	8	OBL		Grass
<i>Leersia oryzoides</i> (L.) Sw.	rice cut grass	3	OBL		Grass
<i>Leersia virginica</i> Willd.	white grass	5	FACW		Grass
<i>Lemna aquinoctialis</i> Welw.	lesser duckweed	5			Aquatic
<i>Lemna minor</i> L.	small duckweed	4	OBL		Aquatic
<i>Lemna obscura</i> (Austin) Daubs	purple duckweed	5	OBL		Aquatic
<i>Lemna perpusilla</i> Torr.	minute duckweed	10	OBL		Aquatic
<i>Lemna trisulca</i> L.	star duckweed	6	OBL		Aquatic
<i>Lemna turionifera</i> Landolt	Turion duckweed	2			Aquatic
LEONTODON AUTUMNALIS L.	hawk's-bit				Forb
LEONTODON TARAXACOIDES (VILL.) MÉRAT	rough hawk's-bit		NI		Forb
LEONURUS CARDIACA L.	lion's-tail				Forb
LEPIDIUM CAMPESTRE (L.) R.BR.	fieldcress				Forb
LEPIDIUM DENSIFLORUM SCHRAD.	prairie pepper-weed		FAC		Forb
LEPIDIUM PERFOLIATUM L.	clasping pepper-weed		FAC		Forb
LEPIDIUM RUDERALE L.	fetid peppergrass				Forb

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<i>Lepidium virginicum</i> L. var. <i>virginicum</i>	common peppergrass	0	FACU-		Forb
LEPTOCHLOA FASCICULARIS (LAM.) A. GRAY VAR. ACUMINATA (NASH) GLEASON	bearded sprangle-top		OBL		Grass
<i>Lespedeza capitata</i> Michx.	round-headed bush-clover	5	FACU		Forb
LESPEDEZA CUNEATA (DUM.COURS.) G.DON	Chinese lespedeza		NI		Forb
<i>Lespedeza leptostachya</i> Engelm.	prairie lespedeza	8		E	Forb
<i>Lespedeza procumbens</i> Michx.	bush-clover	10			Herb. Vine
<i>Lespedeza repens</i> (L.) W.P.C.Barton	smooth trailing lespedeza	5			Herb. Vine
LESPEDEZA STIPULACEA MAXIM.	Korean clover		FACU		Forb
LESPEDEZA THUNBERGII (DC.) NAKAI	Thunberg's lespedeza				Shrub
<i>Lespedeza violacea</i> (L.) Pers.	violet lespedeza	10		C	Forb
<i>Lespedeza virginica</i> (L.) Britton	Virginia lespedeza	10		T	Forb
<i>Lesquerella ludoviciana</i> (Nutt.) S.Watson	foothill bladder-pod	10		T	Forb
LEUCANTHEMELLA SEROTINA (L.) TZVELEV	giant daisy				Forb
LEUCANTHEMUM VULGARE LAM.	common daisy				Forb
<i>Leucophysalis grandiflora</i> (Hook.) Rydb.	white-flowered ground-cherry	5		C	Forb
LEYMUS ARENARIUS (L.) HOCHST.	lyme grass		FACU		Grass
<i>Liatris aspera</i> Michx.	lacerate blazing-star	5			Forb
<i>Liatris cylindracea</i> Michx.	cylindrical blazing-star	9			Forb
<i>Liatris ligulistylis</i> (A.Nelson) K.Schum.	showy blazing-star	7	NI		Forb
<i>Liatris punctata</i> Hook. var. <i>nebraskana</i> Gaiser	Nebraska gay-feather	7		E	Forb
<i>Liatris pycnostachya</i> Michx.	thick-spike gay-feather	7	FAC-		Forb
<i>Liatris spicata</i> (L.) Willd.	sessile-headed blazing-star	8	FAC	C	Forb
LIGUSTRUM VULGARE L.	European privet		FAC-*		Shrub
LILIUM LANCIFOLIUM THUNB.	lance-leaf tiger lily				Forb
<i>Lilium michiganense</i> Farw.	Turk's-cap lily	6			Forb
<i>Lilium philadelphicum</i> L.	wood lily	9	FAC-		Forb
<i>Linaria canadensis</i> (L.) Dum.Cours. var. <i>canadensis</i>	Canada toadflax	5			Forb
LINARIA DALMATICA (L.) MILL.	Dalmatian toadflax				Forb
LINARIA VULGARIS MILL.	butter-and-eggs				Forb
<i>Lindernia dubia</i> (L.) Pennell	moist bank pimpernel	6	OBL		Forb
<i>Lindernia dubia</i> (L.) Pennell var. <i>anagallidea</i> (Michx.) Cooperr.	yellow-seed pimpernel	7	OBL		Forb
<i>Lindernia dubia</i> (L.) Pennell var. <i>dubia</i>	pimpernel	5	FACW		Forb

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<i>Linnaea borealis</i> L. subsp. <i>americana</i> (Forbes) Hultén ex R.T.Clausen	twinflower	9	FAC		Evergreen Ally
<i>Linum medium</i> (Planch.) Britton var. <i>texanum</i> (Planch.) Fernald	common yellow flax	7	FACU*		Forb
LINUM PERENNE L.	wild blue flax				Forb
LINUM RIGIDUM PURSH	stiff-stem yellow flax				Forb
<i>Linum sulcatum</i> Riddell	grooved yellow flax	8			Forb
LINUM USITATISSIMUM L.	common flax				Forb
<i>Liparis lilifolia</i> (L.) Rich. ex Lindl.	brown wide-lip orchid	5	FACU-		Forb
<i>Liparis loeselii</i> (L.) Rich.	fen orchid	7	FACW+		Forb
<i>Lipocarpha drummondii</i> (Nees) G.C.Tucker	Drummond's half-chaff sedge	10	FACW+		Sedge
<i>Lipocarpha micrantha</i> (Vahl) G.C.Tucker	small-flowered hemicarpha	8	OBL		Sedge
<i>Listera auriculata</i> Wiegand	auricled twayblade	9	FACW+	E	Forb
<i>Listera convallarioides</i> (Sw.) Nutt. ex Elliott	broad-leaved twayblade	10	FACW	T	Forb
<i>Listera cordata</i> (L.) R.Br.	heart-leaf twayblade	10	FACW		Forb
<i>Lithospermum canescens</i> (Michx.) Lehm.	hoary puccoon	10			Forb
<i>Lithospermum caroliniense</i> (Walter ex J.F.Gmel.) MacMill. subsp. <i>croceum</i> (Fernald) Cusick	plains puccoon	10			Forb
<i>Lithospermum incisum</i> Lehm.	narrow-leaved puccoon	8			Forb
<i>Lithospermum latifolium</i> Michx.	American gromwell	8		C	Forb
LITHOSPERMUM OFFICINALE L.	European gromwell				Forb
<i>Littorella uniflora</i> (L.) Asch. var. <i>americana</i> (Fernald) Gleason	shoreweed	10	OBL	C	
<i>Lobelia cardinalis</i> L. var. <i>cardinalis</i>	cardinal-flower	7	OBL		Forb
<i>Lobelia dortmanna</i> L.	water lobelia	10	OBL		Aquatic
<i>Lobelia inflata</i> L.	Indian-tobacco	2	FACU-		Forb
<i>Lobelia kalmii</i> L.	bog lobelia	9	OBL		Forb
<i>Lobelia siphilitica</i> L.	great blue lobelia	5	FACW+		Forb
<i>Lobelia spicata</i> Lam.	spiked lobelia	6	FAC		Forb
LOBULARIA MARITIMA (L.) DESV.	sweet-alyssum				Forb
LOLIUM PERENNE L.	perennial rye grass		FACU		Grass
<i>Lonicera canadensis</i> W.Bartram ex Marshall	American fly honeysuckle	8	FACU		Shrub
<i>Lonicera dioica</i> L.	red honeysuckle	7	FACU		Woody Vine
<i>Lonicera hirsuta</i> Eaton	hairy honeysuckle	7	FAC		Woody Vine
<i>Lonicera involucrata</i> (Richardson) Banks ex Spreng. var. <i>involucrata</i>	twin-berry honeysuckle	10	FACU	E	Shrub
LONICERA JAPONICA THUNB.	Japanese honeysuckle		FACU		Shrub
LONICERA MAACKII (RUPR.) MAXIM.	Maack's honeysuckle				Shrub
LONICERA MORROWII A.GRAY	Morrow's honeysuckle		NI		Shrub
<i>Lonicera oblongifolia</i> (Goldie) Hook.	swamp fly honeysuckle	9	OBL		Shrub
<i>Lonicera reticulata</i> Raf.	yellow honeysuckle	6			Woody Vine
LONICERA TATARICA L.	Tartarian honeysuckle		FACU*		Shrub

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<i>Lonicera villosa</i> (Michx.) Schult.	mountain fly honeysuckle	10			Shrub
LONICERA X BELLA ZABEL	Bell's honeysuckle		NI		Shrub
LONICERA X MINUTIFLORA ZABEL	small-flower honeysuckle				Shrub
LONICERA X MUENDENIENSIS REHDER					Shrub
LONICERA X NOTHA ZABEL					Shrub
LONICERA X XYLOSTEOIDES TAUSCH					Shrub
LONICERA XYLOSTEUM L.	European fly honeysuckle				Shrub
LOTUS CORNICULATA L.	bird's-foot trefoil		FAC-		Forb
LOTUS UNIFOLIOLATA (HOOK.) BENTH. VAR. UNIFOLIOLATA	Spanish-clover				Forb
<i>Ludwigia alternifolia</i> L.	-loosestrife; top-pod water-primrose	7	OBL		Forb
<i>Ludwigia palustris</i> (L.) Elliott	water-purslane	4	OBL		Forb
<i>Ludwigia polycarpa</i> Short & R.Peter	top-pod water-primrose	6	OBL		Forb
<i>Lupinus perennis</i> L.	wild lupine	6			Forb
LUPINUS POLYPHYLLUS LINDL.	big-leaf lupine		NI		Forb
<i>Luzula acuminata</i> Raf. var. <i>acuminata</i>	hairy wood rush	6	FAC-		Rush
LUZULA LUZULOIDES (LAM.) DANDY & WILMOTT SUBSP. LUZULOIDES	oak-forest wood rush				Rush
<i>Luzula multiflora</i> (Retz.) Lej. subsp. <i>multiflora</i>	common wood rush	5	FACU		Rush
LYCHNIS CHALCEDONICA L.	scarlet lychnis				Forb
LYCHNIS CORONARIA (L.) DESR.	rose campion				Forb
LYCHNIS FLOS-CUCULI L.	ragged-robin				Forb
LYCHNIS VISCARIA L.	German catchfly				Forb
LYCIUM BARBARUM L.	matrimony-vine				Shrub
LYCOPERSICON ESCULENTUM MILL.	garden tomato				Forb
<i>Lycopodiella inundata</i> (L.) Holub	bog club-moss	5	OBL		Fern Ally
<i>Lycopodium annotinum</i> L.	stiff club-moss	7	FAC		Fern Ally
<i>Lycopodium clavatum</i> L.	staghorn club-moss	6	FAC		Fern Ally
<i>Lycopodium dendroideum</i> Michx.	round-branched club-moss	7	FAC		Fern Ally
<i>Lycopodium hickeyi</i> W.H.Wagner; Beitel & R.C.Moran	Hickey's club-moss	7			Fern Ally
<i>Lycopodium lagopus</i> (Laest. ex C.Hartm.) G.Zinserl. ex Kuzen.	one-cone club-moss	8			Fern Ally
<i>Lycopodium obscurum</i> L.	flat-branched ground-pine	7	FACU		Fern Ally
<i>Lycopus americanus</i> Muhl. ex W.P.C.Barton	American water-horehound	4	OBL		Forb
LYCOPUS ASPER GREENE	rough water-horehound		OBL		Forb
LYCOPUS EUROPAEUS L.	gypsy-wort		OBL		Forb

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<i>Lycopus uniflorus</i> Michx.	northern water-horehound	4	OBL		Forb
<i>Lycopus virginicus</i> L.	Virginia water-horehound	8	OBL		Forb
<i>Lycopus X sherardii</i> Steele (pro sp.)					Forb
<i>Lysimachia ciliata</i> L.	fringed loosestrife	5	FACW		Forb
LYSIMACHIA CLETHROIDES DUBY	white loosestrife				Forb
<i>Lysimachia hybrida</i> Michx.	river loosestrife	10	OBL		Forb
<i>Lysimachia lanceolata</i> Walter	lance-leaved loosestrife	6	FAC		Forb
LYSIMACHIA NUMMULARIA L.	creeping-Jennie		FACW+		Forb
<i>Lysimachia quadriflora</i> Sims	smooth loosestrife	9	OBL		Forb
<i>Lysimachia quadrifolia</i> L.	whorled loosestrife	6	UPL*		Forb
<i>Lysimachia terrestris</i> (L.) Britton; Sterns & Poggenb.	swamp loosestrife	7	OBL		Forb
<i>Lysimachia thyrsoflora</i> L.	tufted loosestrife	7	OBL		Forb
LYSIMACHIA VULGARIS L.	garden loosestrife		FACW-		Forb
<i>Lysimachia X commixta</i> Fernald	loosestrife				Forb
<i>Lysimachia X producta</i> (A.Gray) Fernald (pro sp.)	loosestrife		NI		Forb
<i>Lythrum alatum</i> Pursh var. <i>alatum</i>	winged loosestrife	6	OBL		Forb
LYTHRUM SALICARIA L.	purple loosestrife		OBL		Forb
MACLURA POMIFERA (RAF.) C.K.SCHNEID.	osage-orange		FACU		Tree
MADIA GLOMERATA HOOK.	stinking tarweed		FACU		Forb
<i>Maianthemum canadense</i> Desf.	wild lily-of-the-valley	5	FAC		Forb
<i>Malaxis monophyllos</i> (L.) Sw. var. <i>brachypoda</i> (A.Gray) F.J.A.Morris & Eames	white adder's-mouth	9	FACW	C	Forb
<i>Malaxis unifolia</i> Michx.	green adder's-mouth	6	FAC		Forb
MALCOLMIA MARITIMA (L.) R.BR.	Virginia stock				Forb
<i>Malus coronaria</i> (L.) Mill.	wild sweet crabapple	5			Tree
<i>Malus ioensis</i> (A.W.Wood) Britton var. <i>ioensis</i>	Iowa crab	4			Tree/Shrub
MALUS PUMILA MILL.	cultivated apple				Tree
MALUS SIEBOLDII (REGEL) REHDER	Toringo crabapple				Tree
MALVA ALCEA L.	Vervain mallow				Forb
MALVA CRISPA (L.) L.	curly mallow				Forb
MALVA MOSCHATA L.	musk mallow				Forb
MALVA NEGLECTA WALLR.	cheeses				Forb
MALVA ROTUNDIFOLIA L.	dwarf mallow				Forb
MALVA SYLVESTRIS L.	high mallow				Forb
MALVA VERTICILLATA L.	whorled mallow				Forb
MATRICARIA DISCOIDEA DC.	pineapple-weed		FACU		Forb
MATRICARIA MARITIMA L.	scentless chamomile		UPL*		Forb
MATRICARIA RECUTITA L.	mayweed				Forb
<i>Matteuccia struthiopteris</i> (L.) Todaro var. <i>pennsylvanica</i> (Willd.) C.V.Morton	ostrich fern	5	FACW		Fern

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MAZUS PUMILUS (BURM.F.) STEENIS	Japanese mazus		UPL		Forb
Medeola virginiana L.	Indian cucumber-root	9		C	Forb
MEDICAGO LUPULINA L.	black medick		FAC-		Forb
MEDICAGO SATIVA L.	alfalfa				Forb
MEDICAGO X VARIA MARTYN	hybrid alfalfa				Forb
Megalodonta beckii (Torr. ex Spreng.) Greene	water beggar-ticks	8	OBL		Aquatic
Melampyrum lineare Desr.	narrow-leaved cow-wheat	7	FAC-		Forb
Melica nitens (Scribn.) Nutt. ex Piper	tall melic grass	8		C	Grass
Melica smithii (Porter ex A.Gray) Vasey	Smith's melic grass	10		E	Grass
MELILOTUS ALBA MEDIK.	white sweet-clover		FACU		Forb
MELILOTUS ALTISSIMA THUILL.	tall yellow sweet-clover				Forb
MELILOTUS INDICA (L.) ALL.	Indian sweet-clover		FACU		Forb
MELILOTUS OFFICINALIS (L.) LAM.	yellow sweet-clover		FACU		Forb
Menispermum canadense L.	Canadian moonseed	5	FAC*		Woody Vine
MENTHA AQUATICA L.	lemon mint		OBL		Forb
Mentha arvensis L. var. canadensis (L.) Kuntze	wild mint	3	FACW		Forb
MENTHA LONGIFOLIA (L.) HUDS.	wavy mint		FACW		Forb
MENTHA SPICATA L.	spearmint		FACW+		Forb
MENTHA X GRACILIS SOLE (PRO SP.)	red mint		OBL		Forb
MENTHA X PIPERITA L. (PRO SP.)	peppermint		OBL		Forb
MENTHA X VERTICILLATA L.	whorled mint				Forb
MENTHA X VILLOSA HUDS. (PRO SP.)	woolly mint				Forb
Menyanthes trifoliata L.	common buckbean	10	OBL		Aquatic
Mertensia paniculata (Aiton) G.Don var. paniculata	tall lungwort	9	FAC		Forb
Mertensia virginica (L.) Pers. ex Link	Virginia cowslip	4	FACW		Forb
Microseris cuspidata (Pursh) Sch.Bip.	prairie dandelion	9		C	Forb
Milium effusum L.	wood millet	7			Grass
MIMOSA NUTTALLII (DC.) B.L.TURNER	sensitive-plant				Forb
Mimulus glabratus Kunth var. jamesii (Torr. & A.Gray ex Benth.) A.Gray	James' monkey-flower	9	OBL		Forb
Mimulus ringens L. var. ringens	monkey-flower	6	OBL		Forb
Mirabilis hirsuta (Pursh) MacMill.	hairy four-o'clock	3			Forb
Mirabilis nyctaginea (Michx.) MacMill.	wild four-o'clock	1	UPL*		Forb
MISCANTHUS SACCHARIFLORUS (MAXIM.) HACK.	Japanese plume grass				Grass
Mitchella repens L.	partridgeberry	6	FACU+		Evergreen Ally

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Mitella diphylla L.	bishop's-cap	8	FACU+		Forb
Mitella nuda L.	small bishop's-cap	9	FACW		Forb
MOLINIA CAERULEA (L.) MOENCH	purple moor grass				Grass
MOLLUGO VERTICILLATA L.	green carpetweed		FAC		Forb
MONARDA DIDYMA L.	scarlet bee balm		UPL		Forb
Monarda fistulosa L. subsp. fistulosa	wild bergamot	3	FACU		Forb
Monarda punctata L. var. villicaulis (Pennell) E.J.Palmer & Steyerl.	horsemint	3	UPL		Forb
Moneses uniflora (L.) A.Gray subsp. uniflora	single delight	9	FAC		Forb
Monotropa hypopithys L.	pinenap	7			Forb
Monotropa uniflora L.	Indian-pipe	5	FACU		Forb
MORUS ALBA L.	white mulberry		FAC		Tree
Morus rubra L.	red mulberry	10	FAC-		Shrub
MUHLENBERGIA ASPERIFOLIA (NEES & MEYEN EX TRIN.) PARODI	scratch grass		FACW		Grass
Muhlenbergia cuspidata (Torr. ex Hook.) Rydb.	prairie satin grass	10			Grass
Muhlenbergia frondosa (Poir.) Fernald	common satin grass	3	FACW		Grass
Muhlenbergia glomerata (Willd.) Trin.	marsh wild-Timothy	9	FACW+		Grass
Muhlenbergia mexicana (L.) Trin.	leafy satin grass	4	FACW		Grass
Muhlenbergia racemosa (Michx.) Britton; Sterns & Poggenb.	upland wild-Timothy	5	FACW		Grass
Muhlenbergia richardsonis (Trin.) Rydb.	mat muhly	10	FAC+	E	Grass
Muhlenbergia schreberi J.F.Gmel.	nimble-will muhly	1	FAC		Grass
Muhlenbergia sobolifera (Muhl. ex Willd.) Trin.	creeping muhly	10			Grass
Muhlenbergia sylvatica (Torr.) Torr. ex A.Gray var. sylvatica	forest muhly	8	FACW		Grass
Muhlenbergia tenuiflora (Willd.) Britton; Sterns & Poggenb. var. tenuiflora	slender muhly	9			Grass
Muhlenbergia uniflora (Muhl.) Fernald	bog muhly	9	OBL		Grass
MUSCARI BOTRYOIDES (L.) MILL.	common grape-hyacinth				Forb
MUSCARI NEGLECTUM GUSS. EX TEN.	starch grape-hyacinth				Forb
MYOSOTIS ARVENSIS (L.) HILL	field scorpion-grass		FAC		Forb
MYOSOTIS DISCOLOR PERS.	changing forget-me-not				Forb
Myosotis laxa Lehm.	small forget-me-not	9	OBL	C	Forb
MYOSOTIS SCORPIOIDES L.	common forget-me-not		OBL		Forb
MYOSOTIS STRICTA LINK EX ROEM. & SCHULT.	strict forget-me-not				Forb

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MYOSOTIS SYLVATICA EHRH. EX HOFFM.	garden forget-me-not		NI		Forb
Myosotis verna Nutt.	white forget-me-not	6	FAC-		Forb
MYOSURUS MINIMUS L.	tiny mouse's-tail		FACW		Forb
Myrica gale L.	sweet gale	9	OBL		Shrub
Myriophyllum alterniflorum DC.	alternate-flowered water-milfoil	10	OBL		Aquatic
Myriophyllum farwellii Morong	Farwell's water-milfoil	8	OBL	C	Aquatic
Myriophyllum heterophyllum Michx.	two-leaf water-milfoil	7	OBL		Aquatic
Myriophyllum humile (Raf.) Morong	low water-milfoil	10	OBL		Aquatic
Myriophyllum sibiricum Kom.	common water-milfoil	6			Aquatic
MYRIOPHYLLUM SPICATUM L.	Eurasian water-milfoil		OBL		Aquatic
Myriophyllum tenellum Bigelow	dwarf water-milfoil	10	OBL		Aquatic
Myriophyllum verticillatum L.	whorled water-milfoil	8	OBL		Aquatic
Najas flexilis (Willd.) Rostk. & W.L.E.Schmidt	nodding water-nymph	6	OBL		Aquatic
Najas gracillima (A.Braun ex Engelm.) Magnus	slender water-nymph	7	OBL		Aquatic
Najas guadalupensis (Spreng.) Magnus	southern water-nymph	8	OBL		Aquatic
NAJAS MARINA L.	alkaline water-nymph		OBL		Aquatic
Napaea dioica L.	glade mallow	6	FACW-	C	Forb
NASTURTIUM MICROPHYLLUM BOENN. EX RCHB.	watercress		OBL		Aquatic
NASTURTIUM OFFICINALE R.BR.	watercress		OBL		Aquatic
NASTURTIUM X STERILE (AIRY SHAW) OEFELEIN	yellow-cress				Aquatic
Nelumbo lutea Willd.	American lotus-lily	7	OBL		Aquatic
NEPETA CATARIA L.	catnip		FAC-		Forb
NEPETA MUSSINII SPRENG. EX HENCKEL	Persian cat-mint				Forb
NESLIA PANICULATA (L.) DESV.	ball mustard				Forb
NICANDRA PHYSALODES (L.) GAERTN.	apple-of-Peru				Forb
NICOTIANA RUSTICA L.	wild tobacco				Forb
Nuphar advena (Aiton) W.T.Aiton	yellow water-lily	8		C	Aquatic
Nuphar microphylla (Pers.) Fernald	yellow pond-lily	9			Aquatic
Nuphar variegata Durand	bull-head pond-lily	6			Aquatic
Nuphar X rubrodisca Morong	intermediate pond-lily	9			Aquatic
Nymphaea odorata Aiton	fragrant water-lily	6	OBL		Aquatic
Nyssa sylvatica Marshall var. sylvatica	black tupelo	7	NI		Tree
OCIMUM BASILICUM L.	sweet basil				Forb
ODONTITES VERNA (BELLARDI) DUMORT. SUBSP. SEROTINA (DUMORT.) CORB.	odontites				Forb
Oenothera biennis L.	bastard evening-primrose	1	FACU		Forb
Oenothera clelandii W.Dietr.; P.H.Raven & W.L.Wagner	Cleland's evening-primrose	5			Forb

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OENOTHERA GLAZIOVIANA MICHELI	garden evening-primrose				Forb
Oenothera laciniata Hill subsp. laciniata	ragged evening-primrose	3	FACU		Forb
OENOTHERA NUTTALLII SWEET	white evening-primrose				Forb
Oenothera oakesiana (A.Gray) J.W.Robbins ex S.Watson & Coult.	Oakes' evening-primrose	4			Forb
Oenothera parviflora L.	northern evening-primrose	2	FACU		Forb
Oenothera perennis L.	small sundrops	5	FAC		Forb
OENOTHERA PILOSELLA RAF. SUBSP. PILOSELLA	prairie sundrops		FAC-		Forb
OENOTHERA RHOMBIPETALA NUTT. EX TORR. & A.GRAY	long-spike evening-primrose		FACU		Forb
Oenothera villosa Thunb.	hairy evening-primrose	3	FAC		Forb
ONOBRYCHIS VICIIFOLIA SCOP.	sainfoin				Forb
Onoclea sensibilis L.	sensitive fern	5	FACW		Fern
ONOPORDUM ACANTHIUM L.	Scotch thistle				Forb
Onosmodium bejariense A.DC.	marble-seed	5			Forb
Ophioglossum pusillum Raf.	adder's-tongue	8		C	Fern
Opuntia fragilis (Nutt.) Haw. var. fragilis	brittle prickly-pear	6		T	Shrub
Opuntia humifusa (Raf.) Raf. var. humifusa	eastern prickly-pear cactus	5			Shrub
Opuntia macrorhiza Engelm. var. macrorhiza	plains prickly-pear	10			Shrub
ORNITHOGALUM UMBELLATUM L.	sleepy-dick		FAC-		Forb
Orobanche fasciculata Nutt.	clustered broom-rape	10		T	Forb
Orobanche ludoviciana Nutt. subsp. ludoviciana	Louisiana broom-rape	8		E	Forb
Orobanche uniflora L.	cancer-root	6	UPL	C	Forb
Orthilia secunda (L.) House	one-sided shin-leaf	7	FAC+		Forb
Oryzopsis asperifolia Michx.	rough-leaved rice grass	6			Grass
Oryzopsis canadensis (Poir.) Torr.	Canadian rice grass	9		C	Grass
Oryzopsis pungens (Torr. ex Spreng.) Hitchc.	mountain rice grass	8			Grass
Oryzopsis racemosa (Sm.) Ricker ex Hitchc.	black-seeded rice grass	8			Grass
Osmorhiza berteroi DC.	Chilean sweet cicely	8		C	Forb
Osmorhiza claytonii (Michx.) C.B.Clarke	bland sweet cicely	5	FACU-		Forb
Osmorhiza longistylis (Torr.) DC.	smooth sweet cicely	4	FACU-		Forb
Osmunda cinnamomea L.	cinnamon fern	7	FACW		Fern
Osmunda claytoniana L.	interrupted fern	6	FAC+		Fern
Osmunda regalis L. var. spectabilis (Willd.) A.Gray	royal fern	7	OBL		Fern
Osmunda X ruggii R.M.Tryon	flowering fern				Fern
Ostrya virginiana (Mill.) K.Koch	ironwood	5	FACU-		Tree

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OXALIS CORNICULATA L.	creeping yellow wood-sorrel		FACU		Forb
Oxalis dillenii Jacq.	Dillenius' oxalis	0			Forb
Oxalis montana Raf.	mountain wood-sorrel	9	FACU*		Forb
Oxalis stricta L.	common yellow oxalis	0	FACU		Forb
Oxalis violacea L.	violet wood-sorrel	8			Forb
Oxypolis rigidior (L.) Raf.	stiff cowbane	6	OBL		Forb
Oxytropis campestris (L.) DC. var. chartacea (Fassett) Barneby	Cold Mountain crazyweed	10		E	Forb
Packera aurea (L.) A.Löve & D.Löve	heart-leaved groundsel	6	FACW		Forb
Packera indecora (Greene) A.Löve & D.Löve	elegant groundsel	10	FACW*	T	Forb
Packera paupercula (Michx.) A.Löve & D.Löve	northern ragwort	4	FAC+		Forb
Packera plattensis (Nutt.) W.A.Weber & A.Löve	prairie ragwort	6	FACU-	C	Forb
Packera pseudoaurea (Rydb.) W.A.Weber & A.Löve var. semicordata (Mack. & Bush) D.K.Trock & T.M.Barkley	western golden ragwort	8	FACW		Forb
Panax quinquefolius L.	ginseng	10		C	Forb
Panax trifolius L.	groundnut	8			Forb
Panicum acuminatum Sw.		5	FAC		Grass
Panicum acuminatum Sw. var. fasciculatum (Torr.) Lelong	western panic grass	2			Grass
Panicum acuminatum Sw. var. lindheimeri (Nash) Lelong	Lindheimer's panic grass	8			Grass
Panicum boreale Nash	northern panic grass	5	FACU+		Grass
Panicum capillare L.	witch grass	1	FAC		Grass
Panicum columbianum Scribn.	hemlock panic grass	7			Grass
Panicum commonsianum Ashe var. euchlamydeum (Shinners) R.W.Pohl	Common's panic grass	8			Grass
Panicum depauperatum Muhl.	starved panic grass	4			Grass
Panicum dichotomiflorum Michx. var. dichotomiflorum	knee grass	0	FACW-		Grass
PANICUM DICHOTOMUM L.	forked panic grass		FAC-		Grass
Panicum flexile (Gatt.) Scribn.	wiry panic grass	9	FACW+		Grass
Panicum latifolium L.	broad-leaved panic grass	7	FACU		Grass
Panicum leibergii (Vasey) Scribn.	Leiberg's panic grass	10	FACU+		Grass
Panicum linearifolium Scribn.	slender-leaved panic grass	5			Grass
Panicum meridionale Ashe	mat panic grass	8			Grass
PANICUM MILIACEUM L.	wild proso millet				Grass
Panicum oligosanthos Schult. var. scribnerianum (Nash) Fernald	few-flowered panic grass	4			Grass
Panicum oligosanthos Schult. var. scribnerianum (Nash) Fernald X P. praecocius Hitchc. & Chase					Grass

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<i>Panicum perlongum</i> Nash	long-stalked panic grass	7			Grass
<i>Panicum philadelphicum</i> Bernh. ex Trin.	Philadelphia panic grass	4	FACW		Grass
<i>Panicum praecocius</i> Hitchc. & Chase		7			Grass
PANICUM RIGIDULUM BOSCH EX NEES VAR. RIGIDULUM	red-top panic grass		FACW		Grass
<i>Panicum virgatum</i> L. var. <i>virgatum</i>	switch grass	4	FAC+		Grass
<i>Panicum wilcoxianum</i> Vasey	Wilcox's panic grass	10		C	Grass
<i>Panicum X scoparioides</i> Ashe (pro sp.)					Grass
<i>Panicum xanthophysum</i> A.Gray	slender rosette grass	5			Grass
PAPAVER ORIENTALE L.	Oriental poppy				Forb
PAPAVER RHOEAS L.	Shirley's poppy				Forb
PAPAVER SOMNIFERUM L. SUBSP. SETIGERUM (DC.) CORB.	opium poppy				Forb
<i>Parietaria pensylvanica</i> Muhl. ex Willd.	Pennsylvanian pellitory	2	FACU		Forb
<i>Parnassia glauca</i> Raf.	American grass-of-Parnassus	8	OBL		Forb
<i>Parnassia palustris</i> L. var. <i>tenuis</i> Wahlenb.	marsh grass-of-Parnassus	7	OBL	T	Forb
<i>Parnassia parviflora</i> DC.	small-flowered grass-of-Parnassus	10	OBL	E	Forb
<i>Paronychia canadensis</i> (L.) A.W.Wood	smooth forked nail-wort	9			Forb
<i>Paronychia fastigiata</i> (Raf.) Fernald	hairy forked nail-wort	8			Forb
<i>Parthenium integrifolium</i> L.	wild quinine	8		T	Forb
<i>Parthenocissus quinquefolia</i> (L.) Planch.	Virginia creeper	5	FAC-		Woody Vine
<i>Parthenocissus vitacea</i> (Knerr) Hitchc.	grape woodbine	4	FACU		Woody Vine
<i>Paspalum setaceum</i> Michx.	thin paspalum	3	FAC		Grass
PASTINACA SATIVA L.	wild parsnip				Forb
<i>Pedicularis canadensis</i> L. subsp. <i>canadensis</i>	wood-betony	8	FACU+		Forb
<i>Pedicularis lanceolata</i> Michx.	fen betony	8	FACW+		Forb
<i>Pediomelum argophyllum</i> (Pursh) J.W.Grimes	silvery scurf-pea	10		C	Forb
<i>Pediomelum esculentum</i> (Pursh) Rydb.	prairie-turnip	8		C	Forb
<i>Pellaea atropurpurea</i> (L.) Link	purple cliff brake	10		C	Fern
<i>Pellaea glabella</i> Mett. ex Kuhn subsp. <i>glabella</i>	dwarf cliff brake	10			Fern
PELTANDRA VIRGINICA (L.) RAF. EX SCHOTT & ENDL.	tuckahoe		OBL		Aquatic
PENNISETUM GLAUCUM (L.) R.BR.	pearl millet		FAC		Grass

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PENSTEMON DIGITALIS NUTT. EX SIMS	foxglove		FAC-		Forb
Penstemon gracilis Nutt.	slender beard-tongue	5	UPL		Forb
Penstemon gracilis Nutt. subsp. gracilis	slender beard-tongue	6			Forb
Penstemon gracilis Nutt. subsp. wisconsinensis (Pennell) Pennell	Wisconsin beard-tongue	4			Forb
Penstemon grandiflorus Nutt.	large beard-tongue	4			Forb
Penstemon hirsutus (L.) Willd.	hairy beard-tongue	4		C	Forb
Penstemon pallidus Small	pale beard-tongue	4	UPL	C	Forb
PENSTEMON TUBAEFLORUS NUTT.	tube beard-tongue				Forb
Pentaphragma floribunda (Pursh) A.Löve	shrubby cinquefoil	9	FACW		Shrub
Penthorum sedoides L.	ditch stonecrop	3	OBL		Forb
PERILLA FRUTESCENS (L.) BRITTON	beefsteak-plant		FAC		Forb
Petasites frigidus (L.) Fr. var. palmatus (Aiton) Cronquist	Arctic sweet-colt's-foot	7	FACW		Forb
Petasites sagittatus (Banks ex Pursh) A.Gray	arrowhead sweet-colt's-foot	8	OBL	T	Forb
Petasites X vitifolius Greene (pro sp.)	sweet-colt's-foot				Forb
PETRORHAGIA SAXIFRAGA (L.) LINK	saxifrage pink				Forb
PETUNIA AXILLARIS (LAM.) BRITTON; STERNS & POGGENB.	large white petunia				Forb
PETUNIA X ATKINSIANA D.DON EX LOUDON	common petunia				Forb
PHACELIA DISTANS BENTH.	distant phacelia				Forb
PHALARIS ARUNDINACEA L.	reed canary grass		FACW+		Grass
PHALARIS CANARIENSIS L.	common canary grass		FACU		Grass
Phegopteris connectilis (Michx.) Watt	Narrow beech fern	7			Fern
Phegopteris hexagonoptera (Michx.) Fée	broad beech fern	9	FAC-	C	Fern
PHLEUM PRATENSE L. SUBSP. PRATENSE	timothy		FACU		Grass
Phlox bifida Beck subsp. bifida	cleft phlox	5		C	Forb
PHLOX BIFIDA BECK SUBSP. BIFIDA X P. SUBULATA L.					Forb
Phlox divaricata L. subsp. laphamii (A.W.Wood) Wherry	blue phlox	7	FACU		Forb
Phlox glaberrima L. subsp. interior (Wherry) Wherry	smooth phlox	8	FACW	E	Forb
PHLOX PANICULATA L.	summer phlox		FACU		Forb
Phlox pilosa L.	prairie phlox	7	FAC-		Forb
PHLOX SUBULATA L.	moss-pink				Forb
Phragmites australis (Cav.) Trin. ex Steud.	common reed grass	1	FACW+		Grass

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<i>Phryma leptostachya</i> L.	American lop-seed	5	UPL*		Forb
<i>Phyla lanceolata</i> (Michx.) Greene	lance-leaf fog-fruit	5	OBL		Forb
PHYSALIS ALKEKENGI L.	Chinese lantern-plant				Forb
PHYSALIS GRISEA (WATERF.) M.MARTINEZ	strawberry tomato				Forb
<i>Physalis heterophylla</i> Nees var. <i>heterophylla</i>	clammy ground-cherry	3			Forb
PHYSALIS HISPIDA (WATERF.) CRONQUIST	prairie ground-cherry				Forb
<i>Physalis longifolia</i> Nutt.	tall ground-cherry	2			Forb
PHYSALIS PHILADELPHICA LAM.	tomatillo		UPL		Forb
<i>Physalis virginiana</i> Mill. var. <i>virginiana</i>	Virginia ground-cherry	4			Forb
<i>Physocarpus opulifolius</i> (L.) Maxim.	common ninebark	6	FACW-		Shrub
<i>Physostegia virginiana</i> (L.) Benth. subsp. <i>virginiana</i>	obedience	7	FACW		Forb
PHYTOLACCA ACINOSA ROXB.	edible pokeweed				Forb
<i>Phytolacca americana</i> L.	American pokeberry	1	FAC-		Forb
PICEA ABIES (L.) H.KARST.	Norway spruce				Tree
<i>Picea glauca</i> (Moench) Voss	white spruce	7	FACU		Tree
<i>Picea mariana</i> (Mill.) Britton; Sterns & Poggenb.	black spruce	8	FACW		Tree
<i>Pilea fontana</i> (Lunell) Rydb.	bog clearweed	7	FACW		Forb
<i>Pilea pumila</i> (L.) A.Gray	Canadian clearweed	3	FACW		Forb
PIMPINELLA SAXIFRAGA L.	solid-stem burnet- saxifrage				Forb
<i>Pinguicula vulgaris</i> L.	violet butterwort	10	OBL	E	Forb
<i>Pinus banksiana</i> Lamb.	jack pine	5	FACU		Tree
<i>Pinus resinosa</i> Aiton	Norway pine	7	FACU		Tree
<i>Pinus strobus</i> L.	eastern white pine	5	FACU		Tree
PINUS SYLVESTRIS L.	Scotch pine				Tree
PLAGIOBOTHRYIS SCOULERI (HOOK. & ARN.) I.M.JOHNST. VAR. PENICILLATUS (GREENE) CRONQUIST	Scouler's popcorn-flower		FACW*		Forb
PLANTAGO ARISTATA MICHX.	large-bracted plantain				Forb
<i>Plantago cordata</i> Lam.	king-root	10	OBL	E	Aquatic
PLANTAGO LANCEOLATA L.	ribgrass		FAC		Forb
PLANTAGO MAJOR L.	plantain		FAC+		Forb
PLANTAGO MEDIA L.	hoary plantain				Forb
PLANTAGO PATAGONICA JACQ.	woolly plantain		UPL		Forb
PLANTAGO PSYLLIUM L.	whorled plantain				Forb
<i>Plantago rugelii</i> Decne.	American plantain	0	FAC		Forb
PLANTAGO VIRGINICA L.	Virginia plantain		FACU-		Forb
<i>Platanthera aquilonis</i> Sheviak		7			Forb
<i>Platanthera clavellata</i> (Michx.) Luer	small green fringed orchid	6			Forb
<i>Platanthera dilatata</i> (Pursh) Lindl. ex Beck var. <i>dilatata</i>	white bog orchid	10	FACW+	C	Forb

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Platanthera dilatata (Pursh) Lindl. ex Beck X P. huronensis (Nutt.) Lindl.					Forb
Platanthera flava (L.) Lindl. var. herbiola (R.Br.) Luer	tubercled orchid	7	FACW	T	Forb
Platanthera hookeri (Torr. ex A.Gray) Lindl.	pad-leaf	9	FAC+	C	Forb
Platanthera huronensis (Nutt.) Lindl.	Huron green orchid	7			Forb
Platanthera lacera (Michx.) G.Don	ragged fringed orchid	7	FACW		Forb
Platanthera leucophaea (Nutt.) Lindl.	prairie white fringed orchid	10	FACW+	E	Forb
Platanthera macrophylla (Goldie) P.M.Brown	large round-leaved orchid	9			Forb
Platanthera obtusata (Banks ex Pursh) Lindl.	blunt-leaved orchid	10	FACW		Forb
Platanthera orbiculata (Pursh) Lindl.	large round-leaved orchid	9	FAC	C	Forb
Platanthera psycodes (L.) Lindl.	lesser purple fringed orchid	7	FACW		Forb
Platanthera X andrewsii (M.White) Luer	Andrews' bog orchid		OBL		Forb
Platanus occidentalis L.	sycamore	8	FACW	C	Tree
Poa alsodes A.Gray	grove bluegrass	5	FACW-		Grass
POA ANNUA L.	speargrass		FAC-		Grass
POA BULBOSA L.	bulbous bluegrass				Grass
POA COMPRESSA L.	wiregrass		FACU+		Grass
Poa glauca Vahl	glaucous bluegrass	10			Grass
Poa languida Hitchc.	weak bluegrass	10			Grass
POA NEMORALIS L.	wood bluegrass		FAC		Grass
Poa paludigena Fernald & Wiegand	Patterson's bluegrass	10	OBL	T	Grass
Poa palustris L.	marsh bluegrass	5	FACW+		Grass
POA PRATENSIS L.	Kentucky bluegrass		FAC-		Grass
Poa saltuensis Fernald & Wiegand	woodland bluegrass	7			Grass
Poa sylvestris A.Gray	woodland bluegrass	9	FAC		Grass
POA TRIVIALIS L.	rough bluegrass		FACW		Grass
Poa wolfii Scribn.	Wolf's bluegrass	10			Grass
Podophyllum peltatum L.	wild mandrake	4	FACU		Forb
Pogonia ophioglossoides (L.) Ker Gawl.	snakemouth orchid	9	OBL		Forb
Polanisia dodecandra (L.) DC.	rough-seed clammy-weed	2	UPL*		Forb
Polanisia jamesii (Torr. & A.Gray) H.H.Iltis	James' cristatella	5		C	Forb
Polemonium occidentale Greene subsp. lacustre Wherry	western Jacob's-ladder	10		E	Forb
Polemonium reptans L. var. reptans	spreading Jacob's-ladder	6	FAC		Forb
Polygala cruciata L.	drum-heads	8	FACW+	C	Forb
Polygala incarnata L.	procession flower	10	FACU-	E	Forb
Polygala paucifolia Willd.	gay-wings	7	FACU		Evergreen Ally

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<i>Polygala polygama</i> Walter var. obtusata Chodat	racemed milkwort	6	FACU-		Forb
<i>Polygala sanguinea</i> L.	purple milkwort	5	FACU		Forb
<i>Polygala senega</i> L.	Seneca snakeroot	8	FACU		Forb
<i>Polygala verticillata</i> L.	whorled milkwort	8	UPL		Forb
<i>Polygonatum biflorum</i> (Walter) Elliott	Solomon's-seal	4	FACU		Forb
<i>Polygonatum pubescens</i> (Willd.) Pursh	downy Solomon's-seal	6			Forb
<i>Polygonella articulata</i> (L.) Meisn.	coastal joint-weed	5			Forb
<i>Polygonum achoreum</i> S.F.Blake	leathery knotweed	0	FAC		Forb
<i>Polygonum amphibium</i> L.	water heart's-ease	5	OBL		Forb
<i>Polygonum amphibium</i> L. var. emersum Michx.	water smartweed	4			Forb
<i>Polygonum amphibium</i> L. var. stipulaceum N.Coleman	water smartweed	6			Aquatic
POLYGONUM ARENASTRUM BOREAU	door-yard knotweed				Forb
<i>Polygonum arifolium</i> L.	halberd-leaved tear-thumb	7	OBL		Forb
POLYGONUM AVICULARE L.	common knotweed		FAC-		Forb
<i>Polygonum buxiforme</i> Small	box knotweed	0			Forb
<i>Polygonum careyi</i> Olney	Carey's smartweed	6	FACW+		Forb
POLYGONUM CESPITOSUM BLUME VAR. LONGISETUM (BRUYN) STEWART	Oriental lady's-thumb		UPL		Forb
<i>Polygonum cilinode</i> Michx.	fringed bindweed	1			Forb
POLYGONUM CONVULVULUS L.	buckwheat		FAC-		Forb
POLYGONUM CUSPIDATUM SIEBOLD & ZUCC.	Mexican bamboo		FACU		Forb
<i>Polygonum erectum</i> L.	erect knotweed	2	FACU		Forb
POLYGONUM HYDROPIPER L.	water-pepper		OBL		Forb
<i>Polygonum hydropiperoides</i> Michx.	swamp smartweed	6	OBL		Forb
<i>Polygonum lapathifolium</i> L.	heart's-ease	2	FACW+		Forb
POLYGONUM ORIENTALE L.	kiss-me-over-the-garden-gate		UPL		Forb
<i>Polygonum pennsylvanicum</i> L.	pinkweed	1	FACW+		Forb
POLYGONUM PERSICARIA L.	spotted lady's-thumb		FACW		Forb
<i>Polygonum punctatum</i> Elliott	dotted smartweed	5	OBL		Forb
<i>Polygonum ramosissimum</i> Michx.	bushy knotweed	6	FAC-		Forb
POLYGONUM SACHALINENSE F.W.SCHMIDT EX MAXIM.	giant knotweed		NI		Forb
<i>Polygonum sagittatum</i> L.	arrow-leaved tear-thumb	6	OBL		Forb
<i>Polygonum scandens</i> L.	climbing buckwheat	3	FAC		Forb
<i>Polygonum tenue</i> Michx. var. tenue	pleat-leaf knotweed	7			Forb
<i>Polygonum virginianum</i> L.	jumpseed	7	FAC		Forb
<i>Polymnia canadensis</i> L.	pale-flowered leaf-cup	7			Forb
<i>Polypodium virginianum</i> L.	common polypody	9			Fern
POLYPOGON INTERRUPTUS KUNTH	ditch polypogon				Grass

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Polystichum acrostichoides (Michx.) Schott	Christmas fern	9	UPL	C	Fern
Polystichum braunii (Spenn.) Fée	Braun's holly fern	10		T	Fern
Polytaenia nuttallii DC.	prairie-parsley	9		T	Forb
Pontederia cordata L.	pickerel-weed	8	OBL		Aquatic
POPULUS ALBA L.	white poplar				Tree
Populus balsamifera L. subsp. balsamifera	hackmatack	4	FACW		Tree
Populus deltoides Bartram ex Marshall subsp. monilifera (Aiton) Eckenw.	plains cottonwood	2	FAC+		Tree
Populus grandidentata Michx.	large-toothed aspen	3	FACU		Tree
POPULUS NIGRA L. CV. ITALICA	Lombardy poplar				Tree
Populus tremuloides Michx.	quaking aspen	2	FAC		Tree
POPULUS X CANESCENS (AITON) SM. (PRO SP.)	gray poplar				Tree
POPULUS X JACKII SARG.	Jack's poplar				Tree
PORTULACA GRANDIFLORA HOOK.	rose-moss				Forb
PORTULACA OLERACEA L.	pusley		FAC-		Forb
Potamogeton alpinus Balb.	red pondweed	9	OBL		Aquatic
Potamogeton amplifolius Tuck.	large-leaved pondweed	7	OBL		Aquatic
Potamogeton bicupulatus Fernald	snail-seed pondweed	9			Aquatic
Potamogeton confervoides Rchb.	alga pondweed	10	OBL	T	Aquatic
POTAMOGETON CRISPUS L.	curled pondweed		OBL		Aquatic
Potamogeton diversifolius Raf.	water-thread pondweed	8	OBL	C	Aquatic
Potamogeton epihydrus Raf.	ribbon-leaved pondweed	8	OBL		Aquatic
Potamogeton foliosus Raf. subsp. foliosus	leafy pondweed	6	OBL		Aquatic
Potamogeton friesii Rupr.	Fries's pondweed	8	OBL		Aquatic
Potamogeton gramineus L.	grass-leaved pondweed	7	OBL		Aquatic
Potamogeton hillii Morong	Hill's pondweed	9	OBL	C	Aquatic
Potamogeton illinoensis Morong	Illinois pondweed	6	OBL		Aquatic
Potamogeton natans L.	common pondweed	5	OBL		Aquatic
Potamogeton nodosus Poir.	long-leaved pondweed	7	OBL		Aquatic
Potamogeton oakesianus J.W.Robbins	Oakes' pondweed	10	OBL		Aquatic
Potamogeton obtusifolius Mert. & W.D.J.Koch	blunt-leaved pondweed	9	OBL		Aquatic
Potamogeton praelongus Wulfen	white-stemmed pondweed	8	OBL		Aquatic
Potamogeton pulcher Tuck.	spotted pondweed	10	OBL	E	Aquatic
Potamogeton pusillus L.	small pondweed	7	OBL		Aquatic
Potamogeton richardsonii (A.Benn.) Rydb.	Richardson's pondweed	5	OBL		Aquatic
Potamogeton richardsonii (A.Benn.) Rydb. X Potamogeton sp.					Aquatic
Potamogeton robbinsii Oakes	fern pondweed	8	OBL		Aquatic
Potamogeton spirillus Tuck.	northern snail-seed pondweed	8	OBL		Aquatic

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Potamogeton strictifolius A.Benn.	narrow-leaved pondweed	8	OBL		Aquatic
Potamogeton vaseyi J.W.Robbins	Vasey's pondweed	10	OBL	C	Aquatic
Potamogeton X griffithii A.Benn. (pro sp.)	Griffith's pondweed				Aquatic
Potamogeton X hagstroemii A.Benn. (pro sp.)	Hagstroem's pondweed		OBL		Aquatic
Potamogeton X haynesii Hellq. & G.E.Crow	Haynes' pondweed		OBL		Aquatic
Potamogeton X nericius Hagstr.					Aquatic
Potamogeton X scoliophyllus Hagstr.					Aquatic
Potamogeton X spathuliformis (J.W.Robbins) Morong (pro sp.)			OBL		Aquatic
Potamogeton X sessilis Hagstr.					Aquatic
Potamogeton zosteriformis Fernald	flat-stemmed pondweed	6	OBL		Aquatic
POTENTILLA ARGENTEA L.	silvery five-fingers		FACU		Forb
Potentilla arguta Pursh subsp. arguta	prairie cinquefoil	7	FACU-		Forb
POTENTILLA INCLINATA VILL.	ashy cinquefoil				Forb
POTENTILLA INTERMEDIA L.	downy cinquefoil				Forb
Potentilla norvegica L.	Norwegian cinquefoil	0	FAC		Forb
POTENTILLA RECTA L.	sulphur five-fingers				Forb
POTENTILLA REPTANS L.	creeping cinquefoil				Forb
Potentilla simplex Michx.	common cinquefoil	2	FACU-		Forb
Prenanthes alba L.	lion's-foot	5	FACU		Forb
Prenanthes aspera Michx.	rough rattlesnake-root	9	UPL	E	Forb
Prenanthes crepidinea Michx.	great white-lettuce	10	FAC+	E	Forb
Prenanthes racemosa Michx.	glaucous white-lettuce	9	FACW		Forb
Primula mistassinica Michx.	bird's-eye primrose	10	FACW	C	Forb
Proserpinaca palustris L. var. crebra Fernald & Griscom	marsh mermaid-weed	8	OBL		Aquatic
Prunella vulgaris L.	self-heal	1	FAC		Forb
Prunus americana Marshall	wild plum	3	UPL		Shrub
Prunus nigra Aiton	Canadian plum	6	FACU-		Tree
Prunus pensylvanica L.f.	pin cherry	4	FACU-*		Tree
PRUNUS PERSICA (L.) BATSCH	peach				Tree
Prunus pumila L.	sand cherry	9			Shrub
Prunus serotina Ehrh.	wild black cherry	3	FACU		Tree
Prunus virginiana L. var. virginiana	chokecherry	3	FAC-		Tree
Ptelea trifoliata L. subsp. trifoliata var. trifoliata	common hop-tree	6	FACU+	C	Shrub
Pteridium aquilinum (L.) Kuhn var. latiusculum (Desv.) Underw. ex A.Heller	bracken fern	2	FACU		Fern
Pteropora andromedea Nutt.	giant pinedrops	10		E	Forb
PUCCINELLIA DISTANS (JACQ.) PARL.	European alkali grass		OBL		Grass
Puccinellia fernaldii (Hitchc.) E.G.Voss	Fernald's manna grass	8	OBL		Grass

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PUCCINELLIA NUTTALLIANA (SCHULT.) HITCHC.	Nuttall's alkali grass		OBL		Grass
Puccinellia pallida (Torr.) R.T.Clausen	pale manna grass	9	OBL		Grass
PULMONARIA SACCHARATA MILL.	Bethlehem lungwort				Forb
PYCNANTHEMUM TENUIFOLIUM SCHRAD.	narrow-leaved mountain mint		FAC		Forb
Pycnanthemum virginianum (L.) T.Durand & B.D.Jacks. ex B.L.Rob. & Fernald	common mountain mint	6	FACW+		Forb
Pyrola asarifolia Michx. subsp. asarifolia	liver-leaf wintergreen	8	FACW*		Forb
Pyrola chlorantha Sw.	green-flowered wintergreen	7	FACU		Forb
Pyrola elliptica Nutt.	elliptic shin-leaf	6			Forb
Pyrola minor L.	lesser wintergreen	10	FAC+	E	Forb
Pyrola rotundifolia L. subsp. americana (Sweet) R.T.Clausen	round-leaved shin-leaf	8	FAC-		Forb
PYRUS COMMUNIS L.	pear				Shrub
Quercus alba L.	white oak	7	FACU		Tree
Quercus bicolor Willd.	swamp white oak	7	FACW+		Tree
Quercus coccinea Münchh.	scarlet oak	5			Tree
Quercus ellipsoidalis E.J.Hill	Hill's oak	5			Tree
Quercus macrocarpa Michx. var. macrocarpa	bur oak	5	FAC-		Tree
Quercus muhlenbergii Engelm.	chinkapin oak	8	NI		Tree
Quercus palustris Münchh.	pin oak	8	FACW	C	Tree
Quercus rubra L.	northern red oak	5	FACU		Tree
Quercus velutina Lam.	black oak	5			Tree
Quercus X bebbiana C.K.Schneid.	Bebb's oak				Tree
Quercus X deamii Trel.	Deam's oak				Tree
Quercus X hawkinsii Sudw.	Hawkins' oak				Tree
Quercus X palaeolithicola Trel.					Tree
Quercus X schuettei Trel.					Tree
Ranunculus abortivus L.	little-leaf buttercup	1	FACW-		Forb
RANUNCULUS ACRIS L.	common buttercup		FACW-		Forb
Ranunculus aquatilis L. var. diffusus With.	white water crowfoot	8	OBL		Aquatic
Ranunculus cymbalaria Pursh	alkali buttercup	2	OBL	T	Forb
Ranunculus fascicularis Muhl. ex J.M.Bigelow	early buttercup	6	FACU		Forb
RANUNCULUS FICARIA L.	fig buttercup				Forb
Ranunculus flabellaris Raf.	yellow water buttercup	8	OBL		Aquatic
Ranunculus flammula L.	creeping spearwort	9	FACW		Forb
Ranunculus gmelinii DC.	Gmelin's buttercup	10	FACW+	E	Aquatic
Ranunculus hispidus Michx.	rough buttercup	6	FAC		Forb
Ranunculus hispidus Michx. var. caricetorum (Greene) T.Duncan	rough buttercup	7			Forb

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Ranunculus hispidus Michx. var. nitidus (Chapm.) T.Duncan	rough buttercup	5	FACW+		Forb
Ranunculus lapponicus L.	Lapland buttercup	10	OBL	E	Forb
Ranunculus pensylvanicus L.f.	Pennsylvania buttercup	5	OBL		Forb
Ranunculus recurvatus Poir. var. recurvatus	hooked buttercup	5	FACW		Forb
RANUNCULUS REPENS L.	creeping buttercup		FAC+		Forb
Ranunculus rhomboideus Goldie	prairie crowfoot	7			Forb
Ranunculus sceleratus L.	cursed crowfoot	3	OBL		Forb
RAPHANUS RAPHANISTRUM L.	wild radish				Forb
RAPHANUS SATIVUS L.	wild radish				Forb
RAPISTRUM RUGOSUM (L.) ALL. SUBSP. ORIENTALE (L.) ARCANG.	annual bastard-cabbage				Forb
RATIBIDA COLUMNIFERA (NUTT.) WOOTON & STANDL.	columnar coneflower				Forb
Ratibida pinnata (Vent.) Barnhart	globular coneflower	4			Forb
RESEDA LUTEA L.	dyer's-rocket				Forb
Rhamnus alnifolia L'Hér.	alder buckthorn	8	OBL		Shrub
RHAMNUS CATHARTICA L.	common buckthorn		FACU		Tree
RHAMNUS FRANGULA L.	glossy buckthorn		FAC+		Shrub
Rhamnus lanceolata Pursh var. glabrata Gleason	lance-leaved buckthorn	8		C	Shrub
RHEUM RHABARBARUM L.	garden rhubarb				Forb
Rhexia virginica L.	handsome-harry	8	OBL	C	Forb
RHINANTHUS MINOR L. SUBSP. MINOR	little yellow-rattle		NI		Forb
Rhododendron lapponicum (L.) Wahlenb.	Lapland rose-bay	10	FACW-	E	Shrub
RHODOTYPOS SCANDENS (THUNB.) MAKINO	black jet-bead				Shrub
Rhus aromatica Aiton	squaw-bush	10		C	Shrub
Rhus copallina L.	dwarf sumac	6	UPL*		Shrub
Rhus glabra L.	smooth sumac	2			Shrub
Rhus hirta (L.) Sudw.	velvet sumac	2			Shrub
Rhus X pulvinata Greene (pro sp.)	pulvinate sumac	2			Shrub
Rhynchospora alba (L.) Vahl	white beak-rush	9	OBL		Sedge
Rhynchospora capillacea Torr.	needle beak sedge	10	OBL		Sedge
Rhynchospora capitellata (Michx.) Vahl	clustered beak-rush	8	OBL		Sedge
Rhynchospora fusca (L.) W.T.Aiton	sooty beak-rush	10	OBL	C	Sedge
Rhynchospora scirpoides (Torr.) A.Gray	long-beaked bald sedge	10	OBL	T	Sedge
Ribes americanum Mill.	wild black currant	4	FACW		Shrub
Ribes cynosbati L.	dogberry	3			Shrub
Ribes glandulosum Grauer	skunk currant	7	FACW		Shrub
Ribes hirtellum Michx.	swamp gooseberry	6	FACW		Shrub
Ribes hudsonianum Richardson	northern black currant	10	OBL	C	Shrub
Ribes lacustre (Pers.) Poir.	spiny swamp currant	9	FACW		Shrub
Ribes missouriense Nutt.	Missouri gooseberry	4			Shrub

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RIBES NIGRUM L.	European black currant				Shrub
RIBES ODORATUM H.WENDL.	buffalo-currant		FAC-		Shrub
Ribes oxyacanthoides L. subsp. oxyacanthoides	Canadian gooseberry	9		T	Shrub
RIBES RUBRUM L.	cherry-currant				Shrub
Ribes triste Pall.	swamp red currant	8	OBL		Shrub
ROBINIA HISPIDA L.	rose-acacia				Shrub
ROBINIA PSEUDOACACIA L.	black locust		FACU-		Tree
RORIPPA AUSTRICA (CRANTZ) BESSER	field yellow-cress		FACW-		Forb
Rorippa palustris (L.) Besser	common yellow-cress	3	OBL		Forb
Rorippa sessiliflora (Nutt.) Hitchc.	stalkless yellow-cress	5	OBL		Forb
Rorippa sinuata (Nutt.) Hitchc.	western yellow-cress	5	FACW		Forb
RORIPPA SYLVESTRIS (L.) BESSER	creeping yellow-cress		OBL		Forb
Rosa acicularis Lindl. subsp. sayi (Schwein.) W.H.Lewis	prickly rose	6	FACU		Shrub
Rosa arkansana Porter	wild prairie rose	5	NI		Shrub
Rosa blanda Aiton	wild rose	4	FACU		Shrub
ROSA CANINA L.	dog rose				Shrub
Rosa carolina L.	pasture rose	4	FACU-		Shrub
ROSA CENTIFOLIA L.	cabbage rose				Shrub
ROSA EGLANTERIA L.	sweetbrier rose				Shrub
ROSA GALLICA L.	French rose				Shrub
ROSA MAJALIS HERRM.	double cinnamon rose				Shrub
ROSA MULTIFLORA THUNB. EX MURRAY	multiflora rose		FACU		Shrub
Rosa palustris Marshall	swamp rose	7	OBL		Shrub
ROSA RUGOSA THUNB.	rugose rose		FACU*		Shrub
ROSA SETIGERA MICHX. VAR. TOMENTOSA TORR. & A.GRAY	Illinois rose		FACU+		Shrub
ROSA SPINOSISSIMA L.	Scotch rose				Shrub
Rosa woodsii Lindl. var. woodsii	Woods' rose	5	FACU		Shrub
Rosa X dulcissima Lunell (pro sp.)					Shrub
Rosa X palustriformis Rydb. (pro sp.)					Shrub
Rosa X rudiocula Greene (pro sp.)	rough rose	4			Shrub
Rotala ramosior (L.) Koehne	wheel-wort tooth-cup	8	OBL		Forb
Rubus ablatius L.H.Bailey					Shrub
Rubus adirondackensis L.H.Bailey					Shrub
Rubus allegheniensis Porter ex L.H.Bailey	Allegheny blackberry	2	FACU+		Shrub
Rubus alumnus L.H.Bailey	old-field blackberry		FAC-*		Shrub
Rubus baileyanus Britton	Bailey's dewberry		UPL		Shrub
Rubus canadensis L.	smooth blackberry	4			Shrub
Rubus cauliflorus L.H.Bailey		2			Shrub
Rubus celer L.H.Bailey	bolting dewberry	4			Shrub
Rubus curtipes L.H.Bailey	short-stalk dewberry				Shrub
Rubus dissensus L.H.Bailey					Shrub
Rubus elegantulus Blanch.	showy blackberry				Shrub

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Rubus enslenii Tratt.	southern dewberry	7	UPL		Shrub
Rubus exsularis L.H.Bailey	fenceline dewberry				Shrub
Rubus ferrofluvius H.A.Davis; A.M.Fuller & T.Davis					Shrub
Rubus flagellaris Willd.	northern dewberry	3	FACU-		Shrub
Rubus frondosus Bigelow	Yankee blackberry	3			Shrub
Rubus fulleri L.H.Bailey					Shrub
Rubus glandicaulis Blanch.	gland-stem blackberry				Shrub
Rubus groutianus Blanch.					Shrub
Rubus hispidus L.	swamp dewberry	4	FACW		Shrub
Rubus idaeus L. var. strigosus (Michx.) Maxim.	American red raspberry	3	FACW-		Shrub
Rubus ithacanus L.H.Bailey	Ithaca blackberry		FAC*		Shrub
Rubus junceus Blanch.	herbaceous blackberry				Shrub
Rubus meracus L.H.Bailey	dryslope dewberry				Shrub
Rubus miscix L.H.Bailey					Shrub
Rubus missouricus L.H.Bailey	Missouri dewberry		FACU*		Shrub
Rubus multiflorus L.H.Bailey	Kinnickinnick dewberry				Shrub
Rubus multiflorus Blanch.	variable blackberry		FAC*		Shrub
Rubus occidentalis L.	black-cap; black raspberry	2			Shrub
Rubus parviflorus Nutt.	thimbleberry	7	FACU+		Shrub
Rubus perspicuus L.H.Bailey	Great Lakes dewberry				Shrub
Rubus plicatifolius Blanch.	plait-leaf dewberry				Shrub
Rubus plus L.H.Bailey	hairy-leaved dewberry		FAC		Shrub
Rubus pubescens Raf.	dwarf red raspberry	7	FACW+		Forb
Rubus quaesitus L.H.Bailey	Prince Edward Island blackberry	3			Shrub
Rubus recurvans Blanch.	recurved blackberry				Shrub
Rubus regionalis L.H.Bailey	Wisconsin dewberry				Shrub
RUBUS RORIBACCUS (L.H.BAILEY) RYDB.	Lucretia dewberry				Shrub
Rubus rosa L.H.Bailey	rose blackberry				Shrub
Rubus satis L.H.Bailey					Shrub
Rubus semisetosus Blanch.	swamp blackberry		NI		Shrub
Rubus spectatus L.H.Bailey	sphagnum blackberry		OBL*		Shrub
Rubus steelei L.H.Bailey	Steele's dewberry				Shrub
Rubus stipulatus L.H.Bailey	Big Horseshoe Lake dewberry		FAC*		Shrub
Rubus superioris L.H.Bailey					Shrub
Rubus uniformis L.H.Bailey	uniform bramble			C	Shrub
Rubus uvidus L.H.Bailey	Kalamazoo dewberry		FAC*		Shrub
Rubus vagus L.H.Bailey	rambling dewberry				Shrub
Rubus variispinus L.H.Bailey	Vicksburg blackberry	2			Shrub
Rubus vermontanus Blanch.	Vermont blackberry				Shrub
Rubus wheeleri (L.H.Bailey) L.H.Bailey	Wheeler's blackberry		FAC*		Shrub
Rubus wisconsinensis L.H.Bailey	Wisconsin blackberry				Shrub
Rubus X neglectus Peck					Shrub

Scientific Name	Common Name	Cof C	Region 3	E/T/SC	Growth Form
Rudbeckia fulgida Aiton var. speciosa (Wender.) Perdue	showy coneflower	7	OBL		Forb
Rudbeckia hirta L. var. pulcherrima Farw.	black-eyed Susan	4	FACU		Forb
Rudbeckia laciniata L.	wild golden-glow	6	FACW+		Forb
Rudbeckia subtomentosa Pursh	sweet black-eyed Susan	7	FACU+		Forb
Rudbeckia triloba L. var. triloba	brown-eyed Susan	4	FAC-		Forb
Ruellia humilis Nutt.	wild petunia	6	FACU-	E	Forb
RUMEX ACETOSA L.	Green sorrel		UPL		Forb
RUMEX ACETOSELLA L.	common sheep sorrel		FAC		Forb
Rumex altissimus A.W.Wood	water dock	2	FACW-		Forb
RUMEX CRISPUS L.	curly dock		FAC+		Forb
RUMEX LONGIFOLIUS DC.	door-yard dock		FAC*		Forb
Rumex maritimus L. subsp. fueginus (Phil.) Hultén	golden dock	2	OBL		Forb
RUMEX OBTUSIFOLIUS L.	bitter dock		FACW		Forb
Rumex orbiculatus A.Gray	great water dock	8	OBL		Forb
RUMEX PATIENTIA L.	patience dock				Forb
Rumex salicifolius Weinm. var. mexicanus (Meisn.) C.L.Hitchc.	willow dock	1	FACW*		Forb
RUMEX VENOSUS PURSH	veiny dock				Forb
Rumex verticillatus L.	swamp dock	6	OBL		Forb
RUMEX X ACUTUS L. (PRO SP.)	acute dock				Forb
Ruppia cirrhosa (Petagna) Grande	spiral ditch-grass	8			Aquatic
SAGINA PROCUMBENS L.	bird's-eye pearl-wort		FACW		Forb
Sagittaria brevirostra Mack. & Bush	midwestern arrowhead	9	OBL		Aquatic
Sagittaria cristata Engelm.	crested arrowhead	9	OBL		Aquatic
Sagittaria cuneata E.Sheld.	wapato	7	OBL		Aquatic
Sagittaria graminea Michx. subsp. graminea	grass-leaved arrowhead	9	OBL		Aquatic
Sagittaria latifolia Willd. var. latifolia	broad-leaved arrowhead	3	OBL		Aquatic
Sagittaria montevidensis Cham. & Schldl. subsp. calycina (Engelm.) Bogin	giant arrowhead	8	OBL	C	Aquatic
Sagittaria rigida Pursh	stiff arrowhead	8	OBL		Aquatic
SALIX ALBA L.	white willow		FACW		Tree
Salix amygdaloides Andersson	peach-leaved willow	4	FACW		Tree
SALIX BABYLONICA L.	weeping willow		FACW		Tree
Salix bebbiana Sarg.	Bebb's willow	7	FACW+		Tree
Salix candida Fluggé ex Willd.	sage-leaved willow	10	OBL		Shrub
SALIX CINEREA L.	large gray willow				Shrub
Salix cordata Michx.	sand dune willow	10	FAC+	E	Shrub
Salix discolor Muhl.	pussy willow	2	FACW		Tree
Salix eriocephala Michx.	diamond willow	4	FACW+		Shrub
Salix exigua Nutt. subsp. interior (Rowlee) Cronquist	sandbar willow	2	OBL		Shrub
SALIX FRAGILIS L.	crack willow		FAC+		Tree
Salix humilis Marshall	upland willow	6	FACU		Shrub
Salix lucida Muhl. subsp. lucida	shining willow	5	FACW+		Tree
Salix myricoides Muhl.	bayberry willow	8	FACW		Shrub

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Salix nigra Marshall	black willow	4	OBL		Tree
Salix pedicellaris Pursh	bog willow	8	OBL		Shrub
Salix pellita (Andersson) Andersson ex C.K.Schneid.	satiny willow	9	FACW	E	Shrub
SALIX PENTANDRA L.	laurel willow				Tree
Salix petiolaris Sm.	slender willow	6	FACW+		Shrub
Salix planifolia Pursh subsp. planifolia	tea-leaved willow	8	OBL	T	Shrub
SALIX PURPUREA L.	basket willow		FACW*		Shrub
Salix pyrifolia Andersson	balsam willow	7	FACW+		Shrub
Salix sericea Marshall	silky willow	10	OBL	C	Shrub
Salix serissima (L.H.Bailey) Fernald	autumn willow	8	OBL		Tree
Salix X conifera Wangenh. (pro sp.)	conifer willow				Shrub
Salix X glatfelteri C.K.Schneid.	hybrid black willow	4			Tree
SALIX X RUBENS SCHRANK (PRO SP.)	hybrid crack willow				Tree
SALIX X SMITHIANA WILLD. (PRO SP.)	Smith's willow				Tree
SALSOLA TRAGUS L.	Russian thistle		FACU		Forb
SALVIA AZUREA MICHX. EX LAM. VAR. GRANDIFLORA BENTH.	blue sage				Forb
SALVIA NEMOROSA L.	woodland sage				Forb
SALVIA PRATENSIS L.	meadow sage				Forb
SALVIA REFLEXA HORNEM.	Rocky Mountain sage				Forb
SALVIA SPLENDENS SELLOW EX ROEM. & SCHULT.	scarlet sage				Forb
Sambucus canadensis L. var. canadensis	elderberry	3	FACW-		Shrub
Sambucus racemosa L. subsp. pubens (Michx.) House var. pubens (Michx.) Koehne	scarlet elderberry	5			Shrub
Samolus valerandi L. subsp. parviflorus (Raf.) Hultén	water pimpernel	7	OBL		Forb
Sanguinaria canadensis L.	bloodroot	6	FACU-*		Forb
SANGUISORBA MINOR SCOP.	salad burnet		FAC		Forb
Sanicula canadensis L.	Canadian sanicle	6	FACU+		Forb
Sanicula gregaria E.P.Bicknell	clustered black snakeroot	3	FAC+		Forb
Sanicula marilandica L.	black snakeroot	5	NI		Forb
Sanicula trifoliata E.P.Bicknell	beaked sanicle	10			Forb
SAPONARIA OFFICINALIS L.	bouncing-bet		FACU		Forb
Sarracenia purpurea L. subsp. purpurea	purple pitcher-plant	10	OBL		Forb
Sassafras albidum (Nutt.) Nees	sassafras	5	FACU		Shrub
SATUREJA HORTENSIS L.	summer savory				Forb
Saxifraga pensylvanica L.	wild beet	7	OBL		Forb
Scheuchzeria palustris L.	pod-grass	10	OBL		Forb
Schizachne purpurascens (Torr.) Swallen	melic grass	7	FACU+		Grass

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Schizachyrium scoparium (Michx.) Nash	prairie beard grass	4	FACU-		Grass
Schoenoplectus acutus (Muhl. ex Bigelow) A.Löve & D.Löve var. acutus	hard-stem bulrush	6	OBL		Sedge
Schoenoplectus acutus (Muhl. ex Bigelow) A.Löve & D.Löve X S. heterochaetus (Chase) Soják					Sedge
Schoenoplectus acutus (Muhl. ex Bigelow) A.Löve & D.Löve X S. tabernaemontani (C.C.Gmel.) Palla					Sedge
Schoenoplectus hallii (A.Gray) S.G.Sm.	Hall's bulrush	10	OBL	E	Sedge
Schoenoplectus heterochaetus (Chase) Soják	slender bulrush	10	OBL	C	Sedge
Schoenoplectus pungens (Vahl) Palla var. pungens	chair-maker's rush	5			Sedge
Schoenoplectus purshianus (Fernald) M.T.Strong	weak-stalk bulrush	9	OBL		Sedge
Schoenoplectus smithii (A.Gray) Soják	Smith's bulrush	10			Sedge
Schoenoplectus subterminalis (Torr.) Soják	water club-rush	9	OBL		Sedge
Schoenoplectus tabernaemontani (C.C.Gmel.) Palla	soft-stem bulrush	4	OBL		Sedge
Schoenoplectus torreyi (Olney) Palla	Torrey's three-square bulrush	9	OBL	C	Sedge
Schoenoplectus X steinmetzii (Fernald) S.G.Sm. (pro sp.)	Steinmetz's bulrush				Sedge
SCILLA SIBIRICA HAW. EX ANDREWS	Siberian squill; squill				Forb
Scirpus atrocinctus Fernald	black-girdled wool-grass	7	OBL		Sedge
Scirpus atrovirens Willd.	black bulrush	3	OBL		Sedge
Scirpus cespitosus L.	tussock bulrush	10	OBL	T	Sedge
Scirpus cyperinus (L.) Kunth	wool-grass	4	OBL		Sedge
Scirpus georgianus R.M.Harper	Georgia bulrush	5	OBL	C	Sedge
Scirpus hattorianus Makino	mosquito bulrush	3	OBL		Sedge
Scirpus microcarpus J.Presl & C.Presl	panicled bulrush	6	OBL		Sedge
Scirpus pallidus (Britton) Fernald	pale bulrush	4	OBL	C	Sedge
Scirpus pedicellatus Fernald	stalked wool-grass	6	OBL		Sedge
Scirpus pendulus Muhl.	rufous bulrush	4	OBL		Sedge
SCLERANTHUS ANNUUS L.	German knotgrass		FACU		Forb
SCLERANTHUS PERENNIS L.	perennial knawel				Forb
Scleria reticularis Michx.	reticulated nut-rush	10	OBL	E	Sedge
Scleria triglomerata Michx.	whip-grass	8	FAC	C	Sedge
Scleria verticillata Muhl. ex Willd.	low nut-rush	10	OBL	C	Sedge
Scrophularia lanceolata Pursh	American figwort	4	FACU+		Forb
Scrophularia marilandica L.	carpenter's-square	4	FACU*		Forb
Scutellaria galericulata L.	common skullcap	5	OBL		Forb

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Scutellaria lateriflora L.	mad-dog skullcap	5	OBL		Forb
Scutellaria ovata Hill subsp. ovata	forest skullcap	9	FACU	C	Forb
Scutellaria parvula Michx.	small skullcap	7	FACU*		Forb
Scutellaria parvula Michx. var. missouriensis (Torr.) Goodman & C.A.Lawson	Leonard's skullcap	6			Forb
Scutellaria parvula Michx. var. parvula	small skullcap	9		E	Forb
SECALE CEREALE L.	rye				Grass
SEDUM ACRE L.	yellow sedum				Forb
SEDUM ALBOROSEUM BAKER	garden stonecrop				Forb
SEDUM OCHROLEUCUM CHAIX	European stonecrop				Forb
SEDUM SARMENTOSUM BUNGE	stringy stonecrop				Forb
SEDUM SPECTABILE BOREAU	showy stonecrop				Forb
SEDUM TELEPHIUM L. SUBSP. TELEPHIUM	witch's-moneybags				Forb
Selaginella eclipses W.R.Buck	hidden spike-moss	7			Fern Ally
Selaginella rupestris (L.) Spring	dwarf spike-moss	7			Fern Ally
Selaginella selaginoides (L.) P.Beauv. ex Mart. & Schrank	rock spike-moss	10	FACW+	E	Fern Ally
Senecio congestus (R.Br.) DC.	northern swamp groundsel	8	FACW+	C	Forb
SENECIO SYLVATICUS L.	wood groundsel				Forb
SENECIO VISCOSUS L.	sticky ragwort				Forb
SENECIO VULGARIS L.	common groundsel		UPL*		Forb
Senna hebecarpa (Fernald) H.S.Irwin & Barneby	American wild sensitive-plant	7	FACW		Forb
Senna marilandica (L.) Link	Maryland senna	10	FACW	C	Forb
SENNA OBTUSIFOLIA (L.) H.S.IRWIN & BARNEBY	coffee-weed				Forb
SESAMUM INDICUM L.	sesame				Forb
SETARIA FABERI R.A.W.HERRM.	giant foxtail		FACU+		Grass
SETARIA GUSSONEI KERGUÉLEN	bristle grass				Grass
SETARIA ITALICA (L.) P.BEAUV.	foxtail millet		FACU		Grass
SETARIA VERTICILLATA (L.) P.BEAUV.	hooked bristle grass		FAC		Grass
SETARIA VIRIDIS (L.) P.BEAUV.	green foxtail				Grass
SHEPHERDIA ARGENTEA (PURSH) NUTT.	buffalo-berry; silver buffalo-berry				Tree/Shrub
Shepherdia canadensis (L.) Nutt.	rabbit-berry	7	NI		Shrub
Sibbaldiopsis tridentata (Aiton) Rydb.	shrubby five-fingers	7			Shrub
Sicyos angulatus L.	bur-cucumber	5	FACW-		Herb. Vine
Silene antirrhina L.	sleepy catchfly	2			Forb
SILENE ARMERIA L.	sweet-William catchfly				Forb
SILENE CSERIEII BAUMG.	Balkan catchfly				Forb
SILENE DICHOTOMA EHRH.	forked catchfly				Forb

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SILENE LATIFOLIA POIR. SUBSP. ALBA (MILL.) GREUTER & BURDET	bladder campion				Forb
Silene nivea (Nutt.) Muhl. ex Otth	white campion	10	FACW	T	Forb
SILENE NOCTIFLORA L.	night-flowering catchfly				Forb
Silene stellata (L.) W.T.Aiton var. scabrella (Nieuwl.) E.J.Palmer & Steyerm.	starry campion	7			Forb
Silene virginica L.	fire pink	10		E	Forb
SILENE VULGARIS (MOENCH) GARCKE	maiden's-tears				Forb
Silphium integrifolium Michx.	whole-leaf rosinweed	6			Forb
Silphium laciniatum L. var. laciniatum	compass-plant	8			Forb
Silphium laciniatum L. X S. terebinthinaceum Jacq.					Forb
Silphium perfoliatum L. var. perfoliatum	cup-plant	4	FACW-		Forb
Silphium terebinthinaceum Jacq. var. terebinthinaceum	prairie rosinweed	7	FACU		Forb
SINAPIS ALBA L.	white mustard				Forb
SINAPIS ARVENSIS L.	charlock mustard				Forb
SISYMBRIUM ALTISSIMUM L.	tall tumble mustard		FACU		Forb
SISYMBRIUM LOESELII L.	tall hedge-mustard				Forb
SISYMBRIUM OFFICINALE (L.) SCOP.	hedge-mustard				Forb
Sisyrinchium albidum Raf.	common blue-eyed-grass	7	FACU		Forb
Sisyrinchium angustifolium Mill.	stout blue-eyed-grass	6	FACW-	C	Forb
Sisyrinchium atlanticum E.P.Bicknell	eastern blue-eyed-grass	10	FACW		Forb
Sisyrinchium campestre E.P.Bicknell	prairie blue-eyed-grass	7			Forb
Sisyrinchium montanum Greene	mountain blue-eyed-grass	5	FAC+		Forb
Sisyrinchium mucronatum Michx.	needle-tip blue-eyed-grass		FACW-		Forb
Sisyrinchium strictum E.P.Bicknell	mountain blue-eyed-grass	4			Forb
Sium suave Walter	water-parsnip	5	OBL		Forb
Smilacina racemosa (L.) Desf. var. racemosa	Solomon's-seal	5	FACU		Forb
Smilacina stellata (L.) Desf.	starry Solomon's-seal	5	FAC-		Forb
Smilacina trifolia (L.) Desf.	swamp Solomon's-seal	10	OBL		Forb
Smilax ecirrhata (Engelm. ex Kunth) S.Watson	upright carrion-flower	5			Forb
Smilax herbacea L.	common carrion-flower	5	FAC		Herb. Vine
Smilax herbacea L. var. herbacea	common carrion-flower	7			Herb. Vine
Smilax herbacea L. var. lasioneuron (Hook.) A.DC.	common carrion-flower	4			Herb. Vine
Smilax hispida Muhl. ex Torr.	bristly greenbrier	5	FAC		Woody Vine
Smilax illinoensis Mangaly	Illinois greenbrier	5			Forb

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SOLANUM CAROLINENSE L. VAR. CAROLINENSE	horse-nettle		FACU-		Forb
SOLANUM DULCAMARA L.	bittersweet nightshade		FAC		Woody Vine
Solanum ptycanthum Dunal	nightshade	1	FACU-		Forb
SOLANUM ROSTRATUM DUNAL	buffalo-bur nightshade				Forb
SOLANUM SARRACHOIDES SENDTN.	hairy nightshade				Forb
Solidago bicolor L.	white goldenrod	7			Forb
Solidago caesia L.	wreath goldenrod	8	FACU	E	Forb
Solidago canadensis L.	common goldenrod	1	FACU		Forb
Solidago flexicaulis L.	broad-leaved goldenrod	6	FACU		Forb
Solidago gigantea Aiton	giant goldenrod	3	FACW		Forb
Solidago hispida Muhl. ex Willd. var. hispida	hairy goldenrod	6			Forb
Solidago juncea Aiton	early goldenrod	4			Forb
Solidago missouriensis Nutt.	Missouri goldenrod	7			Forb
SOLIDAGO MOLLIS BARTL.	velvety goldenrod				Forb
Solidago nemoralis Aiton	old-field goldenrod	4			Forb
Solidago ohioensis Riddell	Ohio goldenrod	9	OBL	C	Forb
Solidago patula Muhl. ex Willd. var. patula	swamp goldenrod	8	OBL		Forb
Solidago ptarmicoides (Nees) B.Boivin	prairie goldenrod	8			Forb
Solidago riddellii Frank ex Riddell	Riddell's goldenrod	7	OBL		Forb
Solidago rigida L.	stiff goldenrod	5	FACU-		Forb
SOLIDAGO RUGOSA MILL. SUBSP. RUGOSA VAR. VILLOSA (PURSH) FERNALD	wrinkle-leaved goldenrod		FAC+		Forb
Solidago sciaphila E.S.Steele	cliff goldenrod	8		C	Forb
Solidago simplex Kunth subsp. randii (Porter) G.S.Ringius var. gillmanii (A.Gray) G.S.Ringius	dune goldenrod	9		T	Forb
Solidago speciosa Nutt.	showy goldenrod	5			Forb
Solidago uliginosa Nutt.	northern bog goldenrod	8	OBL		Forb
Solidago ulmifolia Muhl. ex Willd. var. ulmifolia	elm-leaved goldenrod	5			Forb
Solidago X bernardii B.Boivin	Bernard's goldenrod				Forb
SONCHUS ARVENSIS L.	field sow-thistle		FAC-		Forb
SONCHUS ASPER (L.) HILL	prickly sow-thistle		FAC		Forb
SONCHUS OLERACEUS L.	field sow-thistle		FACU		Forb
SORBARIA SORBIFOLIA (L.) A.BRAUN	spiraea				Shrub
Sorbus americana Marshall	American mountain-ash	7	FAC+		Tree
SORBUS AUCUPARIA L.	Eurasian mountain-ash				Tree
Sorbus decora (Sarg.) C.K.Schneid.	showy mountain-ash	8	UPL		Tree
Sorghastrum nutans (L.) Nash	yellow Indian grass	5	FACU+		Grass
SORGHUM BICOLOR (L.) MOENCH VAR. BICOLOR	sorghum		UPL		Grass
SORGHUM HALEPENSE (L.) PERS.	Johnson grass		FACU		Grass

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SORGHUM X ALMUM PARODI (PRO SP.)	Columbus grass				Grass
Sparganium americanum Nutt.	American bur-reed	8	OBL		Aquatic
Sparganium androcladum (Engelm.) Morong	branched bur-reed	8	OBL		Aquatic
Sparganium angustifolium Michx.	narrow-leaved bur-reed	9			Aquatic
Sparganium emersum Rehmman	narrow-leaved bur-reed	8	OBL		Aquatic
Sparganium eurycarpum Engelm. ex A.Gray	giant bur-reed	5	OBL		Aquatic
Sparganium fluctuans (Engelm. ex Morong) B.L.Rob.	floating-leaved bur-reed	10	OBL		Aquatic
Sparganium glomeratum (Beurl. ex Laest.) Neuman	northern bur-reed	8	OBL	T	Aquatic
Sparganium natans L.	small bur-reed	9	OBL		Aquatic
Spartina pectinata Link	prairie cord grass	5	FACW+		Grass
SPERGULA ARVENSIS L.	corn spurry				Forb
SPERGULARIA MARINA (L.) GRISEB.	salt-marsh sand spurry		OBL		Forb
SPERGULARIA RUBRA (L.) J.PRESL & C.PRESL	red sand spurry		FACU		Forb
Sphenopholis intermedia (Rydb.) Rydb.	slender wedge grass	7			Grass
Sphenopholis obtusata (Michx.) Scribn.	prairie wedge scale	8	FAC		Grass
Spiraea alba Du Roi var. alba	white meadowsweet	4	FACW+		Shrub
Spiraea tomentosa L. var. rosea (Raf.) Fernald	hard-hack; steeplebush	6	FACW		Shrub
SPIRAEA X BUMALDA BURV.					Shrub
Spiranthes casei Catling & Cruise var. casei	Case's lady's-tresses	8			Forb
Spiranthes cernua (L.) Rich.	nodding lady's-tresses	5	FACW-		Forb
Spiranthes lacera (Raf.) Raf.	northern slender lady's-tresses	8	FAC+		Forb
Spiranthes lucida (H.H.Eaton) Ames	shampoo orchid	8	FACW+		Forb
Spiranthes magnicamporum Sheviak	Great Plains lady's-tresses	8	UPL		Forb
Spiranthes ovalis Lindl. var. erostellata Catling	oval lady's-tresses	10	FAC	C	Forb
Spiranthes romanzoffiana Cham.	hooded lady's-tresses	9	FACW+		Forb
Spiranthes X simpsonii Catling & Sheviak	lady's-tresses				Forb
Spirodela polyrrhiza (L.) Schleid.	giant duckweed	5	OBL		
Sporobolus clandestinus (Biehler) Hitchc.	rough rush grass	9			Grass
Sporobolus compositus (Poir.) Merr. var. compositus	tall drop-seed	2	UPL		Grass
Sporobolus cryptandrus (Torr.) A.Gray	sand drop-seed	3	FACU-		Grass
Sporobolus heterolepis (A.Gray) A.Gray	prairie drop-seed	10	FACU-		Grass

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<i>Sporobolus neglectus</i> Nash	small drop-seed	2	UPL		Grass
<i>Sporobolus vaginiflorus</i> (Torr. ex A.Gray) A.W.Wood	poverty grass	1	UPL		Grass
<i>Stachys palustris</i> L.	woundwort	5	OBL		Forb
<i>Stachys tenuifolia</i> Willd. var. <i>tenuifolia</i>	smooth hedge-nettle	6	FACW+		Forb
<i>Staphylea trifolia</i> L.	American bladdernut	7	FAC		Shrub
STELLARIA AQUATICA (L.) SCOP.	water chickweed		FAC+		Forb
<i>Stellaria borealis</i> Bigelow subsp. <i>borealis</i>	northern starwort	10			Forb
<i>Stellaria calycantha</i> (Ledeb.) Bong.	northern starwort	8	OBL		Forb
<i>Stellaria crassifolia</i> Ehrh.	fleshy stitchwort	10	NI		Forb
STELLARIA GRAMINEA L.	starwort		UPL		Forb
STELLARIA HOLOSTEA L.	Easter-bell				Forb
<i>Stellaria longifolia</i> Muhl. ex Willd.	long-leaved stitchwort	5	FACW+		Forb
<i>Stellaria longipes</i> Goldie	long-stalked sitchwort	10	OBL		Forb
STELLARIA MEDIA (L.) VILL.	common chickweed		FACU		Forb
STELLARIA PALUSTRIS RETZ.	meadow starwort		FAC*		Forb
STIPA COMATA TRIN. & RUPR.	needle-and-thread				Grass
<i>Stipa spartea</i> Trin.	porcupine grass	9			Grass
STIPA VIRIDULA TRIN.	green needle grass				Grass
<i>Streptopus amplexifolius</i> (L.) DC. var. <i>americanus</i> Schult.	white mandarin	10	FAC+	C	Forb
<i>Streptopus roseus</i> Michx. var. <i>longipes</i> (Fernald) Fassett	rosy twisted-stalk	7	FAC		Forb
<i>Strophostyles helvula</i> (L.) Elliott	trailing wild bean	4	FAC+		Herb. Vine
<i>Strophostyles leiosperma</i> (Torr. & A.Gray) Piper	slick-seed fuzzy bean	5		C	Forb
<i>Stuckenia filiformis</i> (Pers.) Börner	fine-leaved pondweed	8			Aquatic
<i>Stuckenia pectinata</i> (L.) Börner	sago pondweed	3	OBL		Aquatic
<i>Stuckenia vaginata</i> (Turcz.) Holub	sheathed pondweed	9	OBL	T	Aquatic
SUAEDA CALCEOLIFORMIS (HOOK.) MOQ.	Pursh's seep-weed		FACW		Forb
<i>Sullivantia sullivantii</i> (Torr. & A.Gray) Britton	Sullivant's cool-wort	10			Forb
<i>Symphoricarpos albus</i> (L.) S.F.Blake	snowberry	7	FACU-		Shrub
<i>Symphoricarpos occidentalis</i> Hook.	western snowberry	5			Shrub
SYMPHORICARPOS ORBICULATUS MOENCH	coral-berry		FACU		Shrub
SYMPHYTUM ASPERUM LEPECH.	prickly comfrey				Forb
SYMPHYTUM OFFICINALE L.	common comfrey				Forb
<i>Symplocarpus foetidus</i> (L.) Salisb. ex W.P.C.Barton	skunk-cabbage	8	OBL		Forb
SYRINGA VULGARIS L.	common lilac				Shrub
<i>Taenidia integerrima</i> (L.) Drude	yellow-pimpernel	7			Forb
TAGETES PATULA L.	French marigold				Forb
<i>Talinum rugospermum</i> Holz.	sand fame-flower	8		C	Forb
<i>Tanacetum huronense</i> Nutt.	eastern tansy	10		E	Forb

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TANACETUM PARTHENIUM (L.) SCH.BIP.	feverfew				Forb
TANACETUM VULGARE L.	common tansy				Forb
TARAXACUM LAEVIGATUM (WILLD.) DC.	rock dandelion				Forb
TARAXACUM OFFICINALE WEBER	common dandelion		FACU		Forb
Taxus canadensis Marshall	American yew	10	FACU	C	Shrub
Tephrosia virginiana (L.) Pers.	rabbit-pea	6			Forb
TETRAGONIA TETRAGONIODES (PALL.) KUNTZE	New Zealand spinach				Forb
Teucrium canadense L.	wood sage	4	FACW-		Forb
Thalictrum dasycarpum Fisch. & Avé-Lall.	tall meadow-rue	4	FACW-		Forb
Thalictrum dioicum L.	quicksilver-weed	7	FACU+		Forb
Thalictrum revolutum DC.	skunk meadow-rue	6	FAC	C	Forb
Thalictrum thalictroides (L.) A.J.Eames & B.Boivin	rue-anemone	7			Forb
Thalictrum venulosum Trel.	northern meadow-rue	9		C	Forb
Thaspium barbinode (Michx.) Nutt.	hairy meadow-parsnip	10	UPL	E	Forb
Thaspium trifoliatum (L.) A.Gray var. flavum S.F.Blake	purple meadow-parsnip	8		C	Forb
Thelypteris palustris Schott var. pubescens (Lawson) Fernald	marsh fern	7			Fern
Thelypteris simulata (Davenp.) Nieuwl.	bog fern	10	FACW	C	Fern
THERMOPSIS RHOMBIFOLIA (NUTT. EX PURSH) NUTT. EX RICHARDSON	-lupine				Forb
THLASPI ARVENSE L.	field pennycress		NI		Forb
Thuja occidentalis L.	northern white-cedar	9	FACW		Tree
THYMELAEA PASSERINA (L.) COSS. & GERM.	mezereon				Forb
THYMUS PRAECOX OPIZ SUBSP. ARCTICUS (DURAND) JALAS	mother-of-thyme				Forb
Tiarella cordifolia L.	miterwort	10	FAC-	E	Forb
Tilia americana L. var. americana	American basswood	5	FACU		Tree
Tofieldia glutinosa (Michx.) Pers. var. glutinosa	asphodel	10	OBL	T	Forb
Tomanthera auriculata (Michx.) Raf.	eared foxglove	9		C	Forb
TORILIS JAPONICA (HOUTT.) DC.	Japanese hedge-parsley				Forb
Toxicodendron radicans (L.) Kuntze subsp. negundo (Greene) Gillis	poison-ivy	4	FAC+		Woody Vine
Toxicodendron rydbergii (Small ex Rydb.) Greene	Rydberg's poison-ivy	2	FAC		Shrub
Toxicodendron vernix (L.) Kuntze	poison sumac	7	OBL		Shrub
Tradescantia bracteata Small ex Britton	bracted spiderwort	7	FACU-		Forb

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Tradescantia occidentalis (Britton) Smyth var. occidentalis	prairie spiderwort	5	UPL		Forb
Tradescantia ohiensis Raf.	blue-jacket	5	FACU+		Forb
TRAGOPOGON DUBIUS SCOP.	fistulous goat's-beard				Forb
TRAGOPOGON PORRIFOLIUS L.	oyster-plant				Forb
TRAGOPOGON PRATENSIS L.	lesser goat's-beard				Forb
Triadenum fraseri (Spach) Gleason	bog St. John's-wort	8	OBL		Forb
Triadenum virginicum (L.) Raf.	Virginia marsh St. John's-wort	9	OBL		Forb
TRIBULUS TERRESTRIS L.	puncture-vine				Forb
Trichophorum clintonii (A.Gray) S.G.Sm.	Clinton's bulrush	10	FACU-		Sedge
Trichostema brachiatum L.	-pennyroyal	8			Forb
TRIDENS FLAVUS (L.) HITCHC. VAR. FLAVUS	purple-top		UPL		Grass
Trientalis borealis Raf. subsp. borealis	American starflower	7	FAC+		Forb
TRIFOLIUM ARVENSE L.	rabbit-foot clover				Forb
TRIFOLIUM AUREUM POLLICH	golden clover				Forb
TRIFOLIUM CAMPESTRE SCHREB.	field clover				Forb
TRIFOLIUM DUBIUM SIBTH.	little hop clover		FACU		Forb
TRIFOLIUM HYBRIDUM L.	alsike clover		FAC-		Forb
TRIFOLIUM INCARNATUM L.	crimson clover				Forb
TRIFOLIUM PRATENSE L.	red clover		FACU+		Forb
TRIFOLIUM REPENS L.	white clover		FACU+		Forb
Triglochin maritima L.	arrow-grass	10	OBL	C	Forb
Triglochin palustris L.	marsh arrow-grass	10	OBL	C	Forb
Trillium cernuum L.	whip-poor-will flower	8	FAC		Forb
Trillium flexipes Raf.	bent trillium	7	FAC-		Forb
Trillium grandiflorum (Michx.) Salisb.	big white trillium	6			Forb
Trillium nivale Riddell	snow trillium	9		T	Forb
Trillium recurvatum Beck	reflexed trillium	6	FACU-	C	Forb
Triodanis perfoliata (L.) Nieuwl.	clasping Venus'-looking-glass	3	FAC		Forb
Triosteum aurantiacum E.P.Bicknell	early horse-gentian	5			Forb
Triosteum perfoliatum L.	feverwort	5			Forb
Triphora trianthophora (Sw.) Rydb. subsp. trianthophora	three-birds orchid	10	FACU-	C	Forb
Triplasis purpurea (Walter) Chapm.	purple sand grass	6			Grass
Trisetum melicoides (Michx.) Vasey ex Scribn.	purple oats	10	FACW*	E	Grass
Trisetum spicatum (L.) K.Richt.	spike trisetum	10	FAC-	T	Grass
TRITICUM AESTIVUM L.	wheat				Grass
Tsuga canadensis (L.) Carrière	eastern hemlock	8	FACU		Tree
TUSSILAGO FARFARA L.	colt's-foot		FACU		Forb
TYPHA ANGUSTIFOLIA L.	narrow-leaved cat-tail		OBL		Aquatic
Typha latifolia L.	broad-leaved cat-tail	1	OBL		Aquatic
TYPHA X GLAUCA GODR.	hybrid cat-tail		OBL		Aquatic
Ulmus americana L.	American elm	3	FACW-		Tree

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ULMUS PUMILA L.	Siberian elm				Tree
Ulmus rubra Muhl.	slippery elm	4	FAC		Tree
Ulmus thomasii Sarg.	rock elm	6	FAC+		Tree
Urtica dioica L. subsp. gracilis (Aiton) Selander	stinging nettle	1	FAC+		Forb
Utricularia cornuta Michx.	naked bladderwort	10	OBL		Forb
Utricularia geminiscapa Benj.	hidden-fruited bladderwort	9	NI	C	Aquatic
Utricularia gibba L.	creeping bladderwort	9	OBL		Aquatic
Utricularia intermedia Hayne	northern bladderwort	9	OBL		Aquatic
Utricularia minor L.	lesser bladderwort	10	OBL		Aquatic
Utricularia purpurea Walter	spotted bladderwort	9	OBL	C	Aquatic
Utricularia resupinata B.D.Greene ex Bigelow	northeastern bladderwort	9	OBL	C	Forb
Utricularia vulgaris L.	Common bladderwort	7	OBL		Aquatic
Uvularia grandiflora Sm.	large-flowered bellwort	7			Forb
Uvularia sessilifolia L.	sessile bellwort	6	FAC-		Forb
VACCARIA HISPANICA (MILL.) RAUSCHERT	cow soapwort				Forb
Vaccinium angustifolium Aiton	early low blueberry	4	FACU		Shrub
Vaccinium cespitosum Michx.	dwarf huckleberry	9	FACU*	E	Shrub
Vaccinium corymbosum L.	high-bush blueberry	10	FACW		Shrub
Vaccinium macrocarpon Aiton	cranberry	9	OBL		Shrub
Vaccinium myrtilloides Michx.	Canada blueberry	6	FACW-		Shrub
Vaccinium oxycoccos L.	small cranberry	9	OBL		Shrub
Vaccinium pallidum Aiton	hillside blueberry	5		C	Shrub
Vaccinium vitis-idaea L. subsp. minus (Lodd.) Hultén	partridgeberry	10	FAC	E	Shrub
Valeriana edulis Nutt. ex Torr. & A.Gray subsp. ciliata (Torr. & A.Gray) F.G.Mey.	edible valerian	10	FACW+		Forb
VALERIANA OFFICINALIS L.	garden-heliotrope				Forb
Valeriana uliginosa (Torr. & A.Gray) Rydb.	marsh valerian	10	FACW+	T	Forb
Valerianella chenopodifolia (Pursh) DC.	goosefoot corn-salad	8			Forb
Vallisneria americana Michx.	water-celery	6	OBL		Aquatic
VENTENATA DUBIA (LEERS) COSS. & DURIEU	ventenata grass				Grass
VERBASCUM BLATTARIA L.	moth mullein		FACU-		Forb
VERBASCUM DENSIFLORUM BERTOL.	mullein				Forb
VERBASCUM NIGRUM L.	black mullein				Forb
VERBASCUM PHLOMOIDES L.	clasping mullein				Forb
VERBASCUM THAPSUS L.	common mullein				Forb
VERBASCUM X KERNERI FRITSCH	Kerner's mullein				Forb
VERBENA BIPINNATIFIDA NUTT.	Dakota vervain				Forb
Verbena bracteata Lag. & Rodr.	creeping vervain	0	FACU		Forb

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VERBENA CANADENSIS (L.) BRITTON	rose vervain				Forb
Verbena hastata L.	blue vervain	3	FACW+		Forb
Verbena simplex Lehm.	narrow-leaved vervain	7		C	Forb
Verbena stricta Vent.	hoary verbena	3			Forb
Verbena urticifolia L.	white vervain	2	FAC+		Forb
Verbena X deamii Moldenke (pro sp.)	Deam's verbena				Forb
Verbena X engelmannii Moldenke	Engelmann's vervain		NI		Forb
Verbena X illicita Moldenke	bastard vervain				Forb
Verbena X moechina Moldenke	verbena				Forb
Verbena X perriana Moldenke	Perry's vervain				Forb
Verbena X rydbergii Moldenke	Rydberg's vervain		FACW*		Forb
VERBESINA ALTERNIFOLIA (L.) BRITTON EX KEARNEY	wing-stem		FACW		Forb
Vernonia fasciculata Michx. subsp. fasciculata	common ironweed	5	FACW		Forb
Veronica americana Schwein. ex Benth.	American speedwell	9	OBL		Forb
Veronica anagallis-aquatica L.	water speedwell	4	OBL		Forb
VERONICA ARVENSIS L.	corn speedwell		NI		Forb
VERONICA AUSTRIACA L. SUBSP. TEUCRIUM (L.) D.A.WEBB	broad-leaf speedwell				Forb
VERONICA BACHOFENII HEUFF.	heart-leaf speedwell				Forb
VERONICA BECCABUNGA L.	European speedwell		OBL		Forb
VERONICA CHAMAEDRYS L.	germander speedwell				Forb
VERONICA DILLENII CRANTZ	Dillenius' speedwell				Forb
VERONICA LONGIFOLIA L.	garden veronica				Forb
VERONICA OFFICINALIS L.	common gypsy-weed		UPL		Forb
Veronica peregrina L.	neck-weed	0	FACW+		Forb
VERONICA PERSICA POIR.	bird's-eye speedwell				Forb
VERONICA POLITA FR.	wayside speedwell				Forb
Veronica scutellata L.	marsh speedwell	5	OBL		Forb
Veronica serpyllifolia L.	thyme-leaved speedwell	0	FACW		Forb
VERONICA VERNA L.	spring speedwell				Forb
Veronicastrum virginicum (L.) Farw.	Culver's-root	6	FAC		Forb
Viburnum acerifolium L.	dockmackie	7	UPL*		Shrub
VIBURNUM DENTATUM L. VAR. LUCIDUM AITON	southern arrow-wood		FACW-		Shrub
Viburnum edule (Michx.) Raf.	moose-berry viburnum	10	FACW	E	Shrub
VIBURNUM LANTANA L.	wayfaring-tree				Shrub
Viburnum lentago L.	nannyberry	4	FAC+		Tree/Shrub
Viburnum nudum L. var. cassinoides (L.) Torr. & A.Gray	possum-haw	7	FACW	E	Shrub
Viburnum opulus L.	cranberry viburnum	6			Shrub
Viburnum prunifolium L.	black-haw	8	FACU	C	Shrub
Viburnum rafinesquianum Schult.	arrow-wood	7			Shrub
Vicia americana Muhl. ex Willd. subsp. americana	American vetch	4	NI		Forb

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<i>Vicia caroliniana</i> Walter	Carolina vetch	7	UPL*		Forb
VICIA CRACCA L.	bird vetch				Forb
VICIA HIRSUTA (L.) S.F.GRAY	hairy vetch				Forb
VICIA SATIVA L. SUBSP. NIGRA (L.) EHRH.	common vetch				Forb
VICIA VILLOSA ROTH	hairy vetch				Forb
VINCA MINOR L.	greater periwinkle				Shrub
VINCETOXICUM NIGRUM (L.) MOENCH	black swallow-wort				Herb. Vine
<i>Viola adunca</i> Sm.	hook-spur violet	6	FAC-		Forb
<i>Viola affinis</i> Leconte	Le Conte's violet	4	FACW		Forb
VIOLA ARVENSIS MURRAY	European field pansy				Forb
<i>Viola blanda</i> Willd. var. <i>palustriformis</i> A.Gray	sweet white violet	5	FACW		Forb
<i>Viola blanda</i> Willd. X <i>V. macloskeyi</i> F.E.Lloyd subsp. <i>pallens</i> (Banks ex Ging.) M.S.Baker					Forb
<i>Viola blanda</i> Willd. X <i>V. renifolia</i> A.Gray					Forb
<i>Viola canadensis</i> L.	Canadian white violet	7			Forb
<i>Viola cucullata</i> Aiton	blue marsh violet	7	OBL		Forb
<i>Viola labradorica</i> Schrank	dog violet	4	FAC*		Forb
<i>Viola lanceolata</i> L. var. <i>lanceolata</i>	bog white violet	6	OBL		Forb
<i>Viola macloskeyi</i> F.E.Lloyd subsp. <i>pallens</i> (Banks ex Ging.) M.S.Baker	wild white violet	7	OBL		Forb
<i>Viola nephrophylla</i> Greene	northern bog violet	9	FAC		Forb
<i>Viola novae-angliae</i> House	New England blue violet	7	OBL		Forb
VIOLA ODORATA L.	sweet violet				Forb
<i>Viola pedata</i> L.	bird's-foot violet	7	UPL		Forb
<i>Viola pedatifida</i> G.Don	prairie violet	9	FACU-		Forb
<i>Viola pubescens</i> Aiton	yellow violet	5	FACU-		Forb
<i>Viola renifolia</i> A.Gray	kidney-leaved violet	7	FACW		Forb
<i>Viola rostrata</i> Pursh	long-spurred violet	8	FACU	C	Forb
<i>Viola sagittata</i> Aiton	arrow-leaved violet	6	FACW-		Forb
<i>Viola selkirkii</i> Pursh ex Goldie	Selkirk's violet	8			Forb
<i>Viola sororia</i> Willd.	door-yard violet	3	FAC-		Forb
<i>Viola striata</i> Aiton	creamy violet	5	FACW		Forb
VIOLA TRICOLOR L.	Johnny-jump-up				Forb
<i>Viola X palmata</i> L. (pro sp.)			FACU		Forb
<i>Viola X primulifolia</i> L. (pro sp.)	violet	8	FACW+		Forb
<i>Viola X subsinuata</i> (Greene) Greene (pro sp.)	lobed violet	6			Forb
<i>Vitis aestivalis</i> Michx.	summer grape	5	FACU		Woody Vine
VITIS LABRUSCA L.	fox grape		FACU		Woody Vine
<i>Vitis riparia</i> Michx.	river bank grape	2	FACW-		Woody Vine
VULPIA MYUROS (L.) C.C.GMEL.	rat-tail fescue		FACU		Grass
<i>Vulpia octoflora</i> (Walter) Rydb. var. <i>glauca</i> (Nutt.) Fernald	six-weeks fescue	3			Grass
<i>Waldsteinia fragarioides</i> (Michx.) Tratt. subsp. <i>fragarioides</i>	barren-strawberry	6			Forb

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Wolffia borealis (Engelm. ex Hegelm.) Landolt	Northern water-meal	6			Aquatic
Wolffia brasiliensis Wedd.	Brazilian water-meal	8	OBL		Aquatic
Wolffia columbiana H.Karst.	common water-meal	5	OBL		Aquatic
Woodsia ilvensis (L.) R.Br.	rusty woodsia	9			Fern
Woodsia obtusa (Spreng.) Torr. subsp. obtusa	blunt-lobe cliff fern	10			Fern
Woodsia oregana D.C.Eaton subsp. cathcartiana (B.L.Rob.) Windham	Cathcart's cliff fern	10		C	Fern
Woodsia X abbeae Butters					Fern
XANTHIUM SPINOSUM L.	spiny cocklebur		FACU		Forb
Xanthium strumarium L.	common cocklebur	1	FAC		Forb
Xyris montana Ries	northern yellow-eyed- grass	10	OBL		Forb
Xyris torta Sm.	slender yellow-eyed-grass	10	OBL		Forb
YUCCA FILAMENTOSA L.	yucca				Forb
Zannichellia palustris L.	horned-pondweed	7	OBL		
Zanthoxylum americanum Mill.	common prickly-ash	3			Shrub
ZEA MAYS L. SUBSP. MAYS	corn				Grass
Zigadenus elegans Pursh subsp. glaucus (Nutt.) Hultén	death camas	9	FACW		Forb
Zizania aquatica L.	annual wild rice	8	OBL		Grass
Zizania palustris L.	northern wild rice	8			Grass
Zizia aptera (A.Gray) Fernald	heart-leaved golden alexanders	9	FACU		Forb
Zizia aurea (L.) W.D.J.Koch	golden zizia	7	FAC+		Forb
Zosterella dubia (Jacq.) Small	water star-grass	6			Aquatic