



Plant Community Monitoring Protocol for Six Prairie Parks

Northern Prairie Wildlife Research Center Inventory and Monitoring Protocol



U.S. Department of the Interior
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Plant Community Monitoring Protocol for Six
Prairie Parks

by

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1.0 INTRODUCTION

1.1 Background

The prairies of North America developed through the interaction of climatic variation, grazing by ungulates, and fire ignited by lightning and set by native people. Within the last two hundred years, European settlement led to the conversion of most of the tallgrass prairie and a significant portion of mixed-grass prairie to row-crop agriculture (Howe 1994). Two controlling factors of prairie diversity, fire and large ungulate grazing, were eliminated or placed under human control. Furthermore, fragmentation of prairies into smaller, more isolated plant and animal populations has resulted in increased risk of species loss through local extinction, decreased likelihood of re-colonization from outside the local remnant, and the possibility of reduced fitness resulting from inbreeding and genetic drift (Risser 1996).

The Prairie Cluster Long-Term Ecological Monitoring Program (hereafter referred to as the Prairie Cluster) was established in 1994 to address monitoring concerns in National Park Service prairie parks in the Great Plains. All of the selected parks are small (mean 466 ha, range 79-831 ha), and historic or cultural sites. However, these parks contain prairie remnants, recent and historic restorations, and are islands of plant diversity in otherwise species-poor landscapes (Bennett 1996). Six prairie parks [Agate Fossil Beds National Monument (AGFO), NE; Effigy Mounds National Monument (EFMO), IA; Homestead National Monument of America (HOME), NE; Pipestone National Monument (PIPE), MN; Scotts Bluff National Monument (SCBL), NE, and Wilson's Creek National Battlefield (WICR), MO] were selected by the Prairie Cluster for plant community monitoring programs. These parks comprise a number of plant community types including mixed-grass prairie (AGFO and SCBL), tallgrass prairie (HOME and PIPE), and glades and savanna/woodland sites (EFMO and WICR), and encompass a range of restoration histories from historic (HOME, dating to 1936) to recent (EFMO, HOME, PIPE, and WICR) (Willson and Stubbendieck 1987). These parks were selected because they are addressing the types of vegetation management issues which face small natural areas in the prairie region; i.e., exotic species control, use of prescribed fire and grazing, prairie restoration, and maintaining rare species populations (Boyle et al. 1994). Resource managers of the parks require an effective plant community monitoring protocol to assess the success of their management strategies in maintaining and/or restoring prairie plant community composition, structure, and diversity.

1.2 Objectives

The purpose of plant community monitoring is to detect and describe changes in prairie, glade, and savanna/woodland plant communities. The three specific monitoring objectives for the Prairie Cluster parks are: 1) to characterize species composition, structure, and diversity of remnant, disturbed, and restored prairies, glades, and savanna/woodlands; 2) to determine whether the structure, composition, and diversity of these plant communities change over time; and 3) to determine whether temporal and spatial changes are correlated with environmental variables and specific management practices.

2.0 PROTOCOL DESIGN

2.1 Study areas

Each park differs in the plant communities present and the condition of the management units. Within management units, resource managers are currently implementing various management strategies, including prescribed fire, herbicide and biological control of exotic species, mowing, woody species removal, and reintroduction of native species (Boyle et al. 1994). Management units that represent a range of community types (i.e., prairie, glade and savanna/woodland), conditions (i.e., high-quality remnants, restored areas), management strategies (i.e., prescribed fire, exotic species control), or a high diversity of rare species (i.e., Sioux quartzite prairie at PIPE) were selected for monitoring at each Prairie Cluster park (Table 1).

2.2 Sampling design

Numerous sampling methods have been used to describe prairie community dynamics (Weaver 1954, Kucera and Koelling 1964, Becker and Crockett 1973, Owensby et al. 1973, Glenn and Collins 1990). This protocol uses the Konza Prairie Long-Term Ecological Research Program sampling design because of the similarities in plant communities and in the scale and scope of monitoring questions between Konza and the Prairie Cluster parks. The Konza sampling design consists of permanent 50 m paired transects randomly located within each plant community/management unit with five circular 10 m² plots systematically spaced along each transect (Figure 1).

The transect pair is the sampling unit and plot data are pooled or averaged for analysis. In small communities (i.e., goat prairie at EFMO, bluff top communities at AGFO, and Sioux quartzite prairie at PIPE) where it is impossible to place more than a single transect pair and where the plots encompass a large proportion of the total area, the 10 m² plot is the sampling unit for herbaceous and shrub species. In communities with woody species (i.e., limestone glades at WICR), the rectangular 0.1 ha area between the paired transects is the sampling unit for trees (Figure 1). This sampling design is similar to the square plot design suggested by Peet et al. (1998) for long-term studies at both the community and landscape levels of analysis. It also is appropriate for very small plant communities because the length of the transect and number of plots are adjustable. In addition, the 0.1 ha plot used for tree monitoring has the same dimensions as plots used by the National Park Service to monitor fire effects in forested areas (Reeberg et al. 2001).

2.2.1 Transect pair placement - In some parks, a management unit delineates a plant community, while in other parks, multiple plant communities are found within a management unit. Larger management units with varied topography and heterogenous vegetation are stratified into approximate plant communities according to soil type, slope position, and aspect. Detrended Correspondence Analysis (DCA) is used to verify plant community designations (see Attachment 1).

Except in the small plant communities with limited space, two or more randomly distributed 50 m paired transects are established within each plant community/management unit identified for sampling (Table 1). In the small communities, a single transect or modified transect

pair is established. Each transect pair is placed parallel to the local elevation contours. If the selected random number places the transect pair on a plant community boundary (i.e., a transition zone between a disturbed prairie remnant and a high quality prairie remnant), the transect pair is moved further into the plant community to be sampled. Each transect is marked at both ends with rebar and aluminum tags that designate transect pair number, transect (A or B), and end point (start or finish). A global positioning system (GPS) unit is used to record the coordinates for the end points of each transect (Appendix A). During sampling, photographs of each transect are taken from the permanently marked rebar to allow visual documentation of vegetation change. Soil series and type are determined for each sampling unit (transect pair) from soil survey maps.

2.2.2 Sampling intensity - After the initial year of sampling, a species-sample curve is calculated from the species presence data to assess the adequacy of the number of transects in a plant community/management unit. In a species-sample curve, the cumulative number of species is plotted against the cumulative number of physical samples; the number of samples is considered sufficient after the curve levels off. For the Prairie Cluster parks, these analyses generally showed 2-4 transect pairs are adequate for the small plant communities/management units (e.g., EFMO, and PIPE), but not for the large plant communities/management units (e.g., AGFO and SCBL). Figure 2 shows a species-sample curve for the *Pinus-Juniperus* woodland at SCBL. It indicates that 20 plots (2 transect pairs) are not adequate. In situations similar to those at SCBL, additional paired transects are placed in the plant community/management unit and following another year of sampling a species-sample curve is recalculated. This process is repeated until the curve levels off.

2.3 Sampling frequency and timing

Each plant community/management unit is sampled twice each sampling year, once in spring/early summer and again in late summer/fall. These sampling periods encompass the seasonal flowering peaks. Spring grasses and forbs are in full bloom during the spring/early summer sampling and the warm season grasses and composites are in flower or seed during the summer/fall sampling. Woody species are sampled during the late summer/fall period. Although some pre-vernal species may senesce before the first sampling, most species are detected by using these two sampling windows. The plant communities are sampled at approximately the same time of year to minimize within-season differences that could potentially confound year-to-year comparisons for a community.

Yearly monitoring is necessary for some community types, but less frequent monitoring is adequate for other types. Plant communities with high structural and compositional variability or those communities harboring rare species are monitored more intensively than more stable or less unique communities. Restoration sites are monitored annually after any initial or renewed restoration efforts to effectively assess community change. Any prolonged extreme environmental condition, such as drought or frequent use of prescribed fire, creates a need for annual monitoring of all plant communities.

2.4 Field procedures

An ideal field crew consists of 4 people with 2 pairs of investigators collecting data simultaneously from each transect. The pair frequently alternates between data recording and observation. Furthermore, investigators rotate at each sample site to avoid having pairs that begin to deviate in species identification and foliar cover estimates. A list of the necessary field equipment is given in Table 2.

2.4.1 *Sampling frame assembly* - The 10 m² circular sampling frame is made with either PVC or metal pipe, or with red and white sampling pins and rope. Assembly of a PVC sampling frame is shown in Figure 3. A PVC or metal pipe sampling frame is recommended because they provide a visible boundary of the 10 m² plot, and allow greater precision in abundance estimates. The 10 m² plot is divided into quarters by bars to facilitate accurate estimates of foliar cover for each species. The sampling frame is assembled in the field near the sampling units because it is not easy to transport when fully assembled. In wooded areas or difficult terrain, the PVC or metal sampling frame can be too large and clumsy to maneuver, and the red and white sampling pins and rope are used to construct the 10 m² plot. This sampling frame is only used when absolutely necessary since the four pins in the "corners" of the circle provide the only reference to the perimeter of the plot.

2.4.2 *Transect pair and plot establishment* - In laying a transect line, placement accuracy and careful review of recorded plot information is extremely important. Transect lines are established as follows:

1. The transect line is pulled as taut as possible between the two rebar at the transect ends.
2. Plot records and transect plot tags are consulted to ensure that the "A" and "B" transect lines are not reversed (recorded on the tags around the rebar as "A" and "B").
3. The tape is always started at the beginning of the transect (recorded on the tags around the rebar as "S" for "start").
4. The center of each 10 m² plot is placed on the meter marker, where the support bars cross.
5. The 10 m² plots are spaced every 10 m beginning at 10 m on transect A, so that the 10 m² plots are centered on the 10 m, 20 m, 30 m, 40 m and 50 m marks.
6. Along transect B, the 10 m² plots are spaced every 10 m beginning at 0 m, so that the 10 m² plots are centered on the 0 m, 10 m, 20 m, 30 m, and 40 m marks.

2.5 Plant community variables

2.5.1 *Herbaceous plants and shrubs* - In each 10 m² plot, all herbaceous plants and woody shrubs rooted in the plot are identified to species and recorded on the field data sheets (Table 3). Table 4 shows the taxonomic references recommended for the Prairie Cluster parks. The foliar cover of each species is estimated using a cover class index modified from Daubenmire (1959) (Table 5). Each individual percentage value alone cannot exceed 100%, but when combined the cover value for a plot may be greater than 100%. Only species rooted in the plot are recorded and included in estimates of foliar cover.

A reference species list is useful during sampling. The list provides the names, but not associated cover values, of species previously collected in a plot for comparison to those currently

collected. If a species was previously collected but is now missing, the plot is double checked to ensure the species is not overlooked.

2.5.2 *Seedlings and saplings* - After the herbaceous sampling is complete, all seedlings and saplings (i.e., single stemmed woody plants < 5.0 cm dbh) which are rooted in the 10 m² plot are identified to species and assigned to one of three size classes:

1. Seedlings (stems $\leq$ 0.5 m tall)
2. Small sapling (stems $\geq$ 0.5 m tall but < 2.5 cm dbh)
3. Large saplings (stems > 2.5 cm dbh but < 5.0 cm dbh)

Seedlings and saplings assigned to each size class are tallied (Table 3).

2.5.3 *Trees* - All trees (plants > 5.0 cm dbh) are sampled in the rectangular area (i.e., 0.1 ha plot) between the paired transects (see Figure 1). Each tree is identified to species and recorded on a field data sheet (Table 3). For each tree, the diameter at breast height (dbh) to the nearest 0.5 cm is determined from a measurement of circumference. Each tree is also assigned a condition (e.g., dead or alive) for use in structural analyses. Later, each tree is assigned to a diameter class (Table 6).

Table 7 is a list of all plant community variables collected in the 10 m² and 0.1 ha plots.

2.6 Environmental variables

Ground cover attributes of each sample unit are measured to describe physical changes resulting from management activities. The ground-level cover of bare soil, bare rock, tree leaf litter, grass litter, and woody debris is estimated for each 10 m² plot. This will allow for exploration of correlative relationships between compositional changes and environmental attributes. For example, fire destroys living and standing dead biomass and alters the availability of critical resources such as nitrogen, light, and soil moisture (Hurlbert 1988). Changes in litter cover, bare ground, and woody debris are directly affected by fire spread and intensity (Knapp and Seastedt 1986). These changes have been correlated with changes in species composition, or the dominance of certain guilds of species following a fire (Collins et al. 1998).

In each 10 m² plot, the percent cover of bare soil, bare rock, grass litter, leaf litter, and woody debris at the soil surface is estimated using the cover classes listed in Table 4 and recorded on the field data sheet (Table 3). As with plant species cover, each individual percentage value alone cannot exceed 100%, but when combined the cover value for a plot may be greater than 100%. The categories are defined as follows:

1. Bare rock % cover = exposed rock.
2. Bare ground % cover = exposed soil including duff.
3. Grass litter % cover = dead grass material, not including current year's growth.
4. Leaf litter % cover = leaf litter.
5. Woody debris % cover = woody debris.
6. Unvegetated % cover = non-vegetated areas, including rock, soil, litter.

In the 0.1 ha plot, soil type and series are determined using county soil survey maps.

2.7 Quality control

At the beginning of the field season, a workshop provides an introduction to the plant species that will be encountered at the different parks and plant communities/management units. Throughout the sampling season, field sampling crews are retrained and periodically tested to insure:

1. Consistency in species identifications.
2. Consistency in percent cover estimates.
3. Familiarity with the numbering system for unknown species.

Good data collection depends on clear communication among the crew members, particularly between crew members and the crew leader. All crew members must agree on cover estimates; cover estimates are not a one-person decision. Further, the crew is quizzed weekly by the crew leader on cover class estimates and species identifications. These procedures yield greater consistency in species identifications and foliar cover estimations.

2.7.1 Data validation - Data are validated a number of ways:

1. A subset of plots is resampled by the crew leader alone, or with one of the original samplers.
2. Plots are resampled by the original sampling crew a few days after the original sample.
3. Previously sampled plots are resampled by a second sampling crew.
4. The crew leader samples with each of the crew members during the season to check each member's species identifications and cover estimates.

2.7.2 Unknown specimen procedure - Plants not immediately identified in the plot are collected and recorded on the data sheet with an unknown specimen code (<park code> <unknown number> < date>, e.g. WicrUnk2_6_99). If at least 10-15 individuals of the unknown are present at a site, a specimen is collected outside the plot and placed in a plant press for later examination. A small or partial specimen is kept in a field notebook with the description and unknown code to insure consistent application of unknown codes among sampling units. Location, description, and habitat information are recorded using an unknown specimen data sheet (Table 8). If a specimen cannot be found outside the plot or the plant is rare, a description of the plant and location in the plot is recorded. Investigators may relocate the plant during the next sampling period in hopes of finding additional specimens. Collected material is mounted on acid-free herbarium paper, kept in insect proof containers and become reference specimens. Rare or threatened and endangered species are not collected.

3.0 SUMMARY VARIABLES AND ANALYSIS

Bowles et al. (1996) found that no single metric or statistic was adequate to detect significant plant community change over time. Glenn-Lewin and van der Maarel (1992) suggest that since vegetation dynamics are population-based processes, they are better understood by asking what is changing (e.g., structure, composition, etc), the character of the environment, and the scale at which change occurs. Thus, community indices, as well as structural and compositional summaries, are used to describe the current status and monitor community change through time in the Prairie Cluster parks. The plant community variables and indices selected for

data summary purposes are complete, descriptive, and easily interpretable and provide resource managers timely feedback to help assess management practices (Pickett et al. 1992). Table 9 is a list of the plant community variables and indices selected for summary and analysis and the relationship of each to a protocol objective. Descriptions of the variables and indices are given in the following sections.

3.1 Community structure and composition

Community structure consists of these components: 1) vertical arrangement, 2) horizontal arrangement, and 3) abundance of constituent plant species within the community (Kershaw and Looney 1985). Community structure dictates the appearance of a community as a whole and is closely related to growth form (Greig-Smith 1983). Physiognomic characteristics used to obtain a coarse depiction of the structure of the plant community include mean percent tree canopy cover and mean percent herbaceous and shrub cover.

A number of basic measurements are used to describe plant community composition. Among these are abundance, frequency, and coverage. From them other important ecological measures (indices or metrics) are determined, such as species diversity.

3.1.1 *Herbaceous plants and shrubs* - Frequency is defined as the number of times a species is present in a given number of plots of a particular size (Raunkiaer 1934). Species frequency is reported as the proportion (or percentage) of plots in which the species occurs in the community/management unit.

Foliar cover is defined as the area occupied by a perpendicular projection of the aerial parts of individuals of the plant species under consideration to the ground (Greig-Smith 1983). Median values of each cover class interval (Table 5) are used to estimate percent foliar cover for each herbaceous and shrub species in each plot. Mean percent foliar cover is the species percent foliar cover for a plot averaged for all plots in which the species occurs (i.e., plots with zero values for a species are excluded) in the community/management unit.

3.1.2 *Single stemmed woody plants* - For each sample unit, mean abundance of seedlings and saplings within three size classes [i.e., seedlings (stems < 0.5 m in height), small saplings (stems > 0.5 m in height but < 2.5 cm dbh), and large saplings (stems > 2.5 cm dbh but < 5.0 cm dbh)] is the average of the plot abundance data. The mean abundance for each size class for the community/management unit is the average of the mean abundance for each sampling unit.

In savanna/woodland communities (i.e., SCBL, EFMO, WICR), trees (i.e., woody plants > 5.0 cm dbh) are characterized by reporting abundance and total dbh by diameter class for the 0.1 ha plots (see Table 6 for diameter classes). The mean abundance and mean total dbh for each diameter class for the community/management unit is the average of the constituent sample units.

3.2. Community indices

3.2.1 *Species richness* - Species richness (S) is simply a count of the number of species in a defined area at a given time. Species richness of a sampled area is an estimate of the total number of species in a specific community/management unit. Richness is reported as the average number of unique species among sample units (transect pairs) within each

community/management unit. A variance term for S is also calculated for each community/management unit.

3.2.2 Shannon diversity - Measures of diversity are frequently used as indicators of the well-being of ecological systems (Magurran 1988). Species diversity is a measure of equitability of species across samples. A large number of diversity measures have been proposed, and many are in use (Pielou 1977). The Shannon diversity index (H) (Shannon 1948) is appropriate when a random sample of species abundances have been obtained from an entire community.

Shannon diversity is calculated for each sample unit (transect pair) and the unit values averaged within each community/management unit to determine mean diversity and provide an estimate of its variance. The Shannon diversity index is calculated as

$$H = - \sum_{i=1}^n p_i \ln p_i,$$

where p_i is the relative cover of species i .

3.2.3 Shannon evenness - Evenness measures the disparity among species abundance. Maximum evenness occurs when each species' abundance is equal; greater differences among species' abundance result in lower evenness values (Pielou 1977). Using the estimate of richness (S), maximum species diversity ($H_{\max}$) is calculated as the natural log of S ($\ln S$). The ratio of observed diversity (H) to $H_{\max}$ is a measure of evenness (E) (Magurran 1988) as

$$E = H / H_{\max} = H / \ln S.$$

Data from each sample unit within a community type is pooled to calculate total evenness. As with Shannon diversity, evenness is calculated for each sample unit and averaged within each community type to determine mean evenness and provide an estimate of its variance.

3.2.4 Importance value - A species' importance value is an index derived from relative cover and relative frequency and gives an overall estimate of the influence or importance of a plant species in the community/management unit. Importance values are calculated for herbaceous and shrub species. First, for each plant community/management unit, relative cover and relative frequency are calculated for each species as

$$\text{Relative cover} = \frac{\sum_{i=1}^n \text{cover}_{\text{species } i}}{\sum_{j=1}^n \text{cover}_{\text{all species } j}}$$

$$\text{Relative frequency} = \frac{\sum_{i=1}^n \text{occurrences}_{\text{species } i}}{\sum_{j=1}^n \text{occurrences}_{\text{all species } j}}$$

Second, a species' importance value is calculated as (relative cover + relative frequency)/2.

3.2.5 Exotic/native ratio - Exotic species are those species that humans intentionally or unintentionally introduced into an area outside of their natural range. Exotic species can influence ecological processes including trophic level relationships; interspecific competition; primary

and secondary succession; nutrient cycling; and ecosystem productivity, diversity, and stability (Bratton 1982). For each plant community/management unit, the ratio (R) of exotic plant species to total number of plant species is calculated as

$$R = EX/S,$$

where EX is the number of exotic plant species and S is species richness.

3.2.6 Relative cover/frequency of exotics - Relative cover and relative frequency of exotics provide comparative information on the distribution of exotics across community types within a prairie park and on the extent of exotic invasion within a specific plant community over time.

The relative cover and relative frequency of exotic species for each plant community/management unit are calculated as

$$\text{Rel. cover of exotics} = \frac{\sum_{i=1}^n \text{cover}_{\text{exotic species } i}}{\sum_{j=1}^n \text{cover}_{\text{all species } j}} \quad \text{Rel. freq of exotics} = \frac{\sum_{i=1}^n \text{occurrences}_{\text{exotic species } i}}{\sum_{j=1}^n \text{occurrences}_{\text{all species } j}}$$

3.2.7 Density and basal area - Densities of seedlings and saplings within 3 size classes [i.e., seedlings (stems < 0.5 m in height), small saplings (stems > 0.5 m in height but < 2.5 cm dbh), and large saplings (stems > 2.5 cm dbh but < 5.0 cm dbh)] are calculated from the plot abundance data and averaged for the sampling unit (transect pair). The mean density for each size class for the community/management unit is the average of the mean densities for each sampling unit. Density and total basal area of trees (i.e., plants > 5.0 cm dbh) within 7 diameter classes are calculated from the sampling unit (1.0 ha plot) abundance and dbh data. These data are averaged within each community/management unit to determine mean density and mean total basal area.

Abrams (1988) and Tester (1989) have shown that prescribed fire treatments tend to affect trees with diameters less than 25 cm; this relationship is investigated by examining changes in the 4 smallest size classes. The tree data are used to understand the effects of management, specifically prescribed burning and mechanical thinning, on tree density, structure, and regeneration.

4.0 COMMUNITY COMPARISONS

4.1 Comparing community indices

4.1.1 Coefficient of community - Species richness between pairs of communities/management units or pairs of time periods is compared using similarity coefficients such as the Jaccard index (Smith 1990). It is calculated as

$$SC_j = c/(A + B - c),$$

where c equals the number of species found in both communities/management units, A equals the total number of species in community/management unit A, and B equals the total number of species in community/management unit B. Values of SC_j range from 0 when no species are found in both communities/management units to 1.0 when all species are found in both communities/management units. Use of a similarity index augments species richness information by offering a way to evaluate a data set in reference to a desired target. However, a similarity index alone is inadequate as it does not take into account the relative abundance of the various species.

4.1.2 *Spearman's rank correlation* - Spearman's rank correlation coefficient (r_s) measures the association between two variables in terms of ranks. It measures whether one variable (importance value rank) increases or decreases with another even when the relationship between two variables is not linear or normal. Specifically, it is used to test for differences in species importance value rank between community/management units or between time period for the same community/management unit.

5.0 COMMUNITY CHANGE DETECTION

5.1.1 *Parameter estimation* - Parameter estimation is an alternative strategy to statistical hypothesis testing. When recorded at interval time periods over a number of years, parameter estimation and confidence intervals can determine if community metrics, such as species richness, are either constant, increasing, or decreasing over time (Johnson 1999). Parameter estimation involves calculating a mean and constructing a 95% confidence interval around it with the associated confidence intervals providing a measure of the uncertainty in the estimation. For example, two metrics (e.g., species richness in year 1 vs. year 5) that have different values with narrow 95% confidence intervals suggests that the difference is real. Conversely, two metrics that have different values and wide 95% confidence intervals suggests no difference. Confidence intervals are calculated for each of the community indices in section 3.2, except importance value, exotic/native ratio, and relative cover and frequency of exotics.

5.1.2. *Trend analysis* - When sufficient years of data (usually 10) become available, repeated measures analysis will be used to test for significance of trends resulting from the sequential transect/plot sampling. The trend analysis is the suggested procedure.

5.1.3 *Plant community metrics and environmental/management relationships* - Multiple regression analysis and correlation analysis are used to investigate correlative relationships in plant community metrics, environmental conditions, and management strategies.

6.0 DATA MANAGEMENT

6.1 Access database design

The Access database repository for the plant community monitoring data provides a quality controlled environment that incorporates standardized site and sampling event information with occurrence and cover data from plant communities. The database consists of 5 tables in a relational design (Figure 4). The table Transect_Species contains the species occurrence and foliar cover data (Figure 5) and the table Regeneration contains the seedling and sapling data.

Both tables utilize alphanumeric codes to identify site, sampling event and species information to create a space efficient format. Related site, sampling event, and species information is associated through 'one - many' controlled links. The linkages impose referential integrity between the core data and related information, insure data quality and provide updates to be easily incorporated. For example, a species' guild assignment is updated in a single location in the Species table rather than for each species occurrence (i.e., potentially hundreds).

6.2 Metadata

Long-term data integrity requires preserving the link between core data and information about the data (e.g., who, when, where and what). The metadata provides context and may suggest causative factors (e.g. weather) for patterns found in the data. The database facilitates collection and storage of metadata in the Species, Sampling_Events and Transect tables. These metadata are linked to the core data, clearly listed in the database, and consistently applied.

6.2.1 *Species nomenclature* - The parks' broad geographic distribution requires the use of several plant identification keys in the field (Table 4). Because species names change status or position in the taxonomic hierarchy as groups are reviewed and modified, species names among keys are not consistent. Failure to standardize species names may result in inaccurate estimates of richness and detection of false changes in frequency and cover. Consistent nomenclature is the most significant data management issue regarding plant community data. To maintain consistency in the database, species names are standardized to those of the Integrated Taxonomic Information System (ITIS) during data entry through the use of pick list and look up tables. ITIS incorporates the USDA PLANTS database, a common standard for federal agencies. Both databases are easily accessible through the web (<http://plants.usda.gov>, <http://www.itis.usda.gov/plantproj/itis>) and provide reliable information on current species names, their hierarchical classification, species distribution and status.

6.2.2 *Species attribute data* - Plant community summaries utilize species attributes such as origin and plant type. For special projects, other species attributes are important. For example, life cycle type is needed to compare the magnitude of change between annual and perennial grasses. These attributes are stored in the Species table. The format of the Species table copies that of the MWRFlora database (<http://www.ies.wisc.edu/brd/index.html>) and much of the attribute data originated from this source. New species attributes are compiled using USDA PLANTS database.

6.2.3 *Sample event and site data* - Physical site characteristics (e.g. slope and aspect) and UTM coordinates are recorded for each sample site in the Transect table. The SamplingEvents table stores the dates of data collection and investigators' names. Comments concerning weather conditions, plant phenology, any peculiarities and a general description of the sampling event are recorded on a trip data sheet.

6.3 Data handling

6.3.1 *Data entry and verification* - A significant number of errors occur in the process of transcribing field data into a database. The database design incorporates a number of features to reduce transcription errors. Forms (VegDataEntry) are used as the portals for data entry into the database (Figure 6). Transect, sample event and plot are selected from a pick list of easily

interpreted codes (e.g., Home_VegCom_5). When entering multiple species from the same sample plot, the copy button is used to quickly copy the duplicate event, site, and plot information from the previous record. Sub-plot is designated through toggle buttons and cover is selected from a restricted list.

The species is entered in a field linked to the Species table. Consequently, only valid species names may be entered and spelling mistakes are eliminated. Species are selected using a pick list or by typing the beginning of the name. While typing, the form searches for a similar entry, typically locating the desired species after typing only a few characters. The form will not allow the entry of a species that does not occur in the Species table. If a species name is not accepted during data entry it may be the result of a name change or it may be a new species to the flora. To check the current nomenclature for the species, a nomenclature update form is attached via a button (Figure 7). If the species' name has changed, the form will indicate the current accepted name. If the species is new to the flora, a form is provided to update the Species table with the new attribute data (Figure 8).

Data verification occurs immediately following data entry and involves checking the accuracy of the computerized records against its original source. Someone familiar with taxonomic changes and capable of interpreting nomenclature updates, should perform the manual verification.

6.3.2 Data validation - Although data may be correctly transcribed and accurately reflect field data sheets, they still may not be accurate or logical. The database contains several features to validate data.

As many as 30 species may be located in a single plot and, on occasion, a species is erroneously recorded twice on the field data sheet. Setting the combination of Transect ID, Event ID, Species Code, and Plot fields as key fields in TransectSpecies table prevents duplicates from entering the database.

The linkages among tables enforce the referential integrity of the data eliminating the possibility of entering occurrence and cover data for a site or event for which there is no information. For example, only after a sample event's dates and investigators are recorded may you choose that sample event during data entry.

At the season's end, several queries of the database should be performed to validate data quality (Figure 9). One query should search records with a site code from a park and an event code from a different park. A second query is the opposite, searching all records with an event code from a park that have a transect code from a different park. A query to count the number of plots per sample site will insure all plots were sampled.

6.4 Data analysis, summary, and annual reports

Plant community data is voluminous and summarizing the data via a spreadsheet is time consuming and tedious, furthermore, the possibility for error is great. The database includes several automated routines for calculating plant community indices and summary tables. The routines utilize a series of queries and reports. The routines insure that the indices are calculated consistently and allow summaries to be easily updated if the underlying data changes.

Annual reports for each park are prepared by March of the year following data collection, to allow park managers time to review the monitoring results prior to initiating new management

actions. An example of an annual report is given in Appendix B. The annual report includes a summary of composition and structure variables and a comparison of community indices for the same community over time. The annual report also includes means and confidence intervals for several community indices. When sufficient years of data are available, the annual report includes an analysis of trends.

7.0 REFERENCES

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Table 1. Plant communities and management units selected for sampling at the Prairie Cluster parks.

<u>Park/Acreage</u>	<u>Plant Community/Total Park Acres</u>	<u>Management Unit</u>	<u>Acres</u>	<u>No. Transect Pairs</u>
HOME/160	Tallgrass prairie restoration/100	Upland prairie	55	2
	Floodplain forest/*	Lowland prairie	43	3
		Floodplain forest	10	1
PIPE/282	Tallgrass prairie restoration/80	Unit 4	40	3
	Tallgrass prairie/112	Unit 2	61	4
	Sioux quartzite prairie/5	Sioux quartzite prairie	5	3
EFMO/2493	Tallgrass prairie restoration/100	North restoration unit	50	2
	Goat prairie/10	South restoration unit	25	1
		Goat prairie	*	8**
WICR/1751	Limestone glade/40	Bloody Hill glade	12	3
	Upland woodlands/145	Manley woodland	70	4
	Tallgrass prairie restoration/425	Units 1N/1O	50	2
SCBL/3003	Stipa-Carex prairie/*	South Bluff	500	3
	Degraded Stipa-Carex prairie/*	South Bluff	500	4
	Pinus-Juniperus woodland/*	South Bluff	500	2
	Mixed grass prairie restoration/*	Golf course rest.	42	2
	Mixed-grass prairie/*	Adj. to golf course	*	2

Table 1. Continued

AGFO/3055	Calamovilfa-Andropogon prairie/*	Univ./Carnegie Hill	850	4
	Schizachyrium-Bouteloua-Carex prairie/*	Univ./Carnegie Hill	850	2
	Stipa-Carex prairie/*	Univ./Carnegie Hill	850	1
	Pascopyrum prairie/*	Univ./Carnegie Hill	850	1
	Degraded Calamovilfa-Andropogon prairie/*	Univ./Carnegie Hill	850	2

* Acreage not available; ** 3 of the 5 transect pairs modified to accommodate habitat size limitations

Table 2. Equipment and supplies needed to implement Prairie Cluster plant community monitoring.

Task	Equipment
Establish permanent transect	* Rebar * Tags/ wire/anchors * GPS unit * Hammer * Flagging * Range finder
Set up transects	* Clinometer * Compass (2) * Tape measures (50 m) * Metal detector (for finding rebar)
Document sample unit location	* Camera and film * Field notebook
Collect plant community data	* Red and white stakes/rope * Sampling frames * Clipboards (2 or 3) * Data sheets and pencils * Previous year's list of species
Collect vouchers and unknown plants	* Vegetation books/ plant keys * Plant press * Extra cardboard and blotters * Unknown plants/ voucher plants * Unknown record book * Unknown data sheets
Enter data (equipment not needed in field)	* Laptop computer and discs * Printer
Miscellaneous	* Backpacks * Calculator * Duct tape * First aid kit * Insect repellent * Sunscreen * Water

Table 3. Data sheets for herbaceous, shrub, seedling and sapling, and tree monitoring

Collectors Ini: _____

Date: _____

Date: _____

Data

	Mean	Standard Error	t-Statistic	p-Value	Error
Intercept	0.7698	0.0000	15.99	<.0001	-0.0000
Age	0.0000	0.0000	0.00	.9999	0.0000
Gender	0.0000	0.0000	0.00	.9999	0.0000
Married	0.0000	0.0000	0.00	.9999	0.0000
Education	0.0000	0.0000	0.00	.9999	0.0000
Income	0.0000	0.0000	0.00	.9999	0.0000
Health	0.0000	0.0000	0.00	.9999	0.0000
Smoking	0.0000	0.0000	0.00	.9999	0.0000
Alcohol	0.0000	0.0000	0.00	.9999	0.0000
Exercise	0.0000	0.0000	0.00	.9999	0.0000
Stress	0.0000	0.0000	0.00	.9999	0.0000
Sleep	0.0000	0.0000	0.00	.9999	0.0000
Diet	0.0000	0.0000	0.00	.9999	0.0000
Motivation	0.0000	0.0000	0.00	.9999	0.0000
Support	0.0000	0.0000	0.00	.9999	0.0000
Resilience	0.0000	0.0000	0.00	.9999	0.0000
Optimism	0.0000	0.0000	0.00	.9999	0.0000
Gratitude	0.0000	0.0000	0.00	.9999	0.0000
Forgiveness	0.0000	0.0000	0.00	.9999	0.0000
Compassion	0.0000	0.0000	0.00	.9999	0.0000
Patience	0.0000	0.0000	0.00	.9999	0.0000
Humility	0.0000	0.0000	0.00	.9999	0.0000
Kindness	0.0000	0.0000	0.00	.9999	0.0000
Generosity	0.0000	0.0000	0.00	.9999	0.0000
Self-awareness	0.0000	0.0000	0.00	.9999	0.0000
Emotional regulation	0.0000	0.0000	0.00	.9999	0.0000
Cognitive flexibility	0.0000	0.0000	0.00	.9999	0.0000
Problem-solving skills	0.0000	0.0000	0.00	.9999	0.0000
Decision-making abilities	0.0000	0.0000	0.00	.9999	0.0000
Communication skills	0.0000	0.0000	0.00	.9999	0.0000
Conflict resolution skills	0.0000	0.0000	0.00	.9999	0.0000
Empathy	0.0000	0.0000	0.00	.9999	0.0000
Active listening	0.0000	0.0000	0.00	.9999	0.0000
Assertiveness	0.0000	0.0000	0.00	.9999	0.0000
Boundary setting	0.0000	0.0000	0.00	.9999	0.0000
Time management	0.0000	0.0000	0.00	.9999	0.0000
Prioritization	0.0000	0.0000	0.00	.9999	0.0000
Task delegation	0.0000	0.0000	0.00	.9999	0.0000
Goal setting	0.0000	0.0000	0.00	.9999	0.0000
Accountability	0.0000	0.0000	0.00	.9999	0.0000
Consistency	0.0000	0.0000	0.00	.9999	0.0000
Perseverance	0.0000	0.0000	0.00	.9999	0.0000
Growth mindset	0.0000	0.0000	0.00	.9999	0.0000
Adaptability	0.0000	0.0000	0.00	.9999	0.0000
Open-mindedness	0.0000	0.0000	0.00	.9999	0.0000
Curiosity	0.0000	0.0000	0.00	.9999	0.0000
Continuous learning	0.0000	0.0000	0.00	.9999	0.0000
Resilience training	0.0000	0.0000	0.00	.9999	0.0000
Stress management techniques	0.0000	0.0000	0.00	.9999	0.0000
Positive psychology interventions	0.0000	0.0000	0.00	.9999	0.0000
Behavioral change strategies	0.0000	0.0000	0.00	.9999	0.0000
Personal development programs	0.0000	0.0000	0.00	.9999	0.0000
Life coaching sessions	0.0000	0.0000	0.00	.9999	0.0000
Group therapy support	0.0000	0.0000	0.00	.9999	0.0000
Individual counseling	0.0000	0.0000	0.00	.9999	0.0000
Online mental health resources	0.0000	0.0000	0.00	.9999	0.0000
Peer support groups	0.0000	0.0000	0.00	.9999	0.0000
Community involvement	0.0000	0.0000	0.00	.9999	0.0000
Volunteering opportunities	0.0000	0.0000	0.00	.9999	0.0000
Professional networking	0.0000	0.0000	0.00	.9999	0.0000
Industry conferences	0.0000	0.0000	0.00	.9999	0.0000
Workshops and seminars	0.0000	0.0000	0.00	.9999	0.0000
Guest lectures by experts	0.0000	0.0000	0.00	.9	

Plot _____ Slope: _____

Aspect: _____

Plot _____ Slope: _____
Aspect: _____

Species	.01	0.1	1	10	Cover
bare soil					
bare rock					
grass litter					
leaf litter					
woody debris					
unvegetated					

Species	.01	0.1	1	10	Cover
bare soil					
bare rock					
grass litter					
leaf litter					
woody debris					
unvegetated					

Species	.01	0.1	1	10	Cover
bare soil					
bare rock					
grass litter					
leaf litter					
woody debris					
unvegetated					

Park Code: _____

Transect Pair
#: _____

Unit: _____

Collectors Ini: _____

Date: _____

Entered: _____
Data

checked: _____
Error

UTM Coord: _____

Location: _____

Plot _____ Slope: _____

Aspect: _____

Plot _____ Slope: _____

Aspect: _____

Plot _____ Slope: _____

Aspect: _____

Species	2.5 - 5.0	0.5 - 2.5	< 0.5 (10)	< 0.5 (1)

Species	2.5 - 5.0	0.5 - 2.5	< 0.5 (10)	< 0.5 (1)

Species	2.5 - 5.0	0.5 - 2.5	< 0.5 (10)

Unit: _____

Plot

Aspect: _____

1000

Date: _____

Start time: _____

End time:_____

Entered: _____

3521

checked: _____

Error

Seedling (< 0.5
tall)

Sm Sapling (> 0.5m tall, < 2.5 cm dbh)

Lrg Sapling (> 2.5 cm dbh, < 5.0 cm dbh)

	Seedling	Small Sapling	Large Sapling	Adult
--	----------	---------------	---------------	-------

Species

	.01	0.1	1	10	Cover
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
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86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					

Species

[illegible]

Table 4. Taxonomic references for Prairie Cluster parks.

<u>Taxonomic Key</u>	<u>Park(s)</u>
Dorn, R. D. 1992. Vascular Plants of Wyoming. Mountain West Publishing, Cheyenne.	AGFO, SCBL
Fassett, N. C. 1972. Spring Flora of Wisconsin. University of Wisconsin Press. Madison.	EFMO
Flora of the Great Plains. 1991. Great Plains Flora Association. University of Kansas Press. Lawrence.	AGFO, HOME, PIPE, SCBL
Hitchcock, A. S. 1971. Manual of the Grasses of the United States. Dover Publications, Inc. New York	AGFO, EFMO, HOME PIPE, SCBL, WICR
Kucera, C. L. 1998. Grasses of Missouri. University of Missouri Press. Columbia.	WICR
Steyermark, J. A. 1996. Flora of Missouri. The Iowa State University Press. Ames.	EFMO, WICR

Table 5. Modified-Daubenmire cover value scale used to estimate herbaceous/shrub species foliar cover.

<u>Cover Class Codes</u>	<u>Range of Cover (%)</u>	<u>Class Midpoints (%)</u>
7	95-100	97.5
6	75-95	85.0
5	50-75	62.5
4	25-50	37.5
3	5-25	15.0
2	1-5	2.5
1	0-1	0.5

Table 6. Diameter range within a diameter class.

Diameter class	Diameter range	
	Centimeters	Inches
1	5 - 10	1.9 - 3.9
2	10 - 15	3.9 - 5.8
3	15 - 20	5.8 - 7.8
4	20 - 25	7.8 - 9.8
5	25 - 35	9.8 - 13.7
6	35 - 45	13.7 - 17.6
7	45 - 55	17.6 - 21.5

Table 7. Plant community variables recorded in the 10 m² and 0.1 ha plots.

<u>Species variable</u>	<u>Plant community component</u>
10 m² plot	
Presence	Herbaceous plants; shrubs; seedlings and saplings
Foliar cover	Herbaceous plants; shrubs
Abundance by size class	Woody seedlings and saplings
0.1 ha plot	
Presence	Trees
Dead or alive	Trees
dbh	Trees

Table 8. Unknown specimen data sheet.

Park: _____

Transect & Plot _____

Unknown Code: _____

Date: _____

Plant Type & General Description: herb shrub tree vine grass sedge other

Most Salient Feature:

Leaf Characteristics:

Leaf Type (compound/simple, arrangement, etc):

Margin:

Other (pubescent, sap, stipules, etc)

Stem Characteristics (shape, pubescent, bud)

Flower Characteristics (color, location, floral formula)

General and Microhabitat Characteristics:

Collected? Yes No

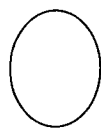
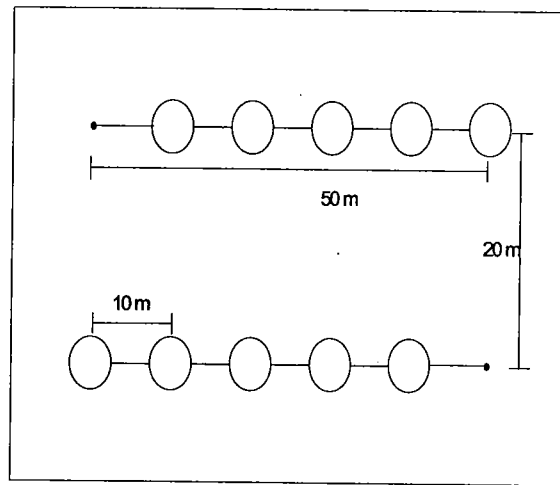
Best Guess: _____

Confirmed to be: _____

Table 9. Plant community variables and indices selected for summary and analysis and their relationship to monitoring objectives.

Community variable

Community variable	Monitoring objective
Community composition and structure	
Mean frequency (herbaceous and shrubs)	1
Mean percent cover (herbaceous and shrubs)	1
Mean abundance by size class (seedlings and saplings)	1
Mean abundance by diameter class (trees)	1
Mean dbh by diameter class (trees)	1
Community indices	
Species richness	1
Shannon diversity	1
Shannon evenness	1
Importance value	1
Exotic/native ratio	1
Relative cover and frequency of exotics	1
Density and basal area	1
Community similarity	
Coefficient of community	2
Spearman's rank correlation	2
Community change analysis	
Confidence intervals (species richness)	2
Confidence intervals (Shannon diversity)	2
Confidence intervals (Shannon evenness)	2
Confidence intervals (cover and frequency of exotics)	2
Confidence intervals (density and basal area)	2
Repeated measures analysis (species richness)	2
Repeated measures analysis (Shannon diversity)	2
Repeated measures analysis (Shannon evenness)	2
Repeated measures analysis (density and basal area)	2
Community and environmental/management relationships	
Multiple regression analysis	3
Correlation analysis	3



10m²

1. Foliar cover of all herbaceous and shrub species estimated using cover class values;
2. Stems of woody seedlings (<0.5 m tall), large seedlings (>0.5 m tall and <2.5 cm dbh), and saplings (>2.5 cm DBH and <5.0 cm dbh) counted.



0.1 ha

Within the 0.1 ha between the paired transects, species and dbh of all trees >5.0 cm dbh recorded.

Figure 1. The sampling units (transect pair and 0.1 ha area) used in plant community monitoring.

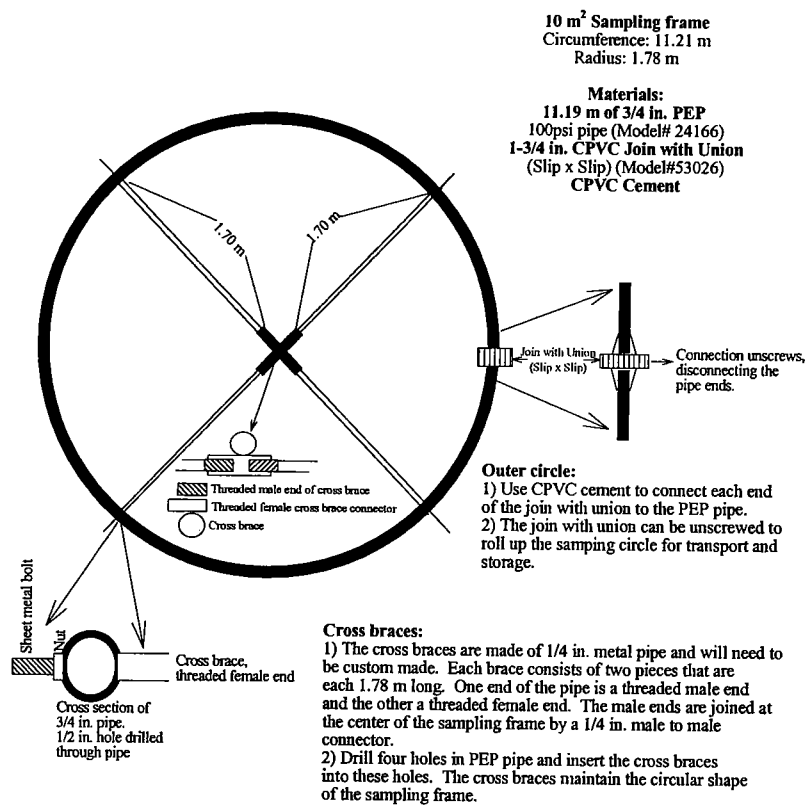


Figure 2. Sampling frame assembly.

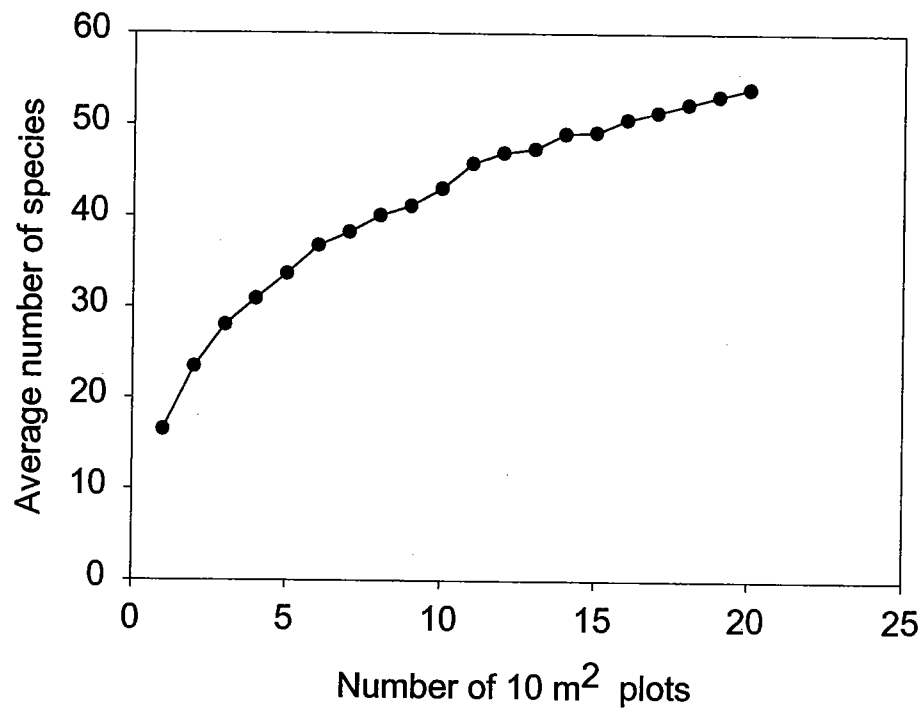


Figure 3. Species-sample curve for the *Pinus-Juniperus* woodland at Scotts Bluff National Monument.

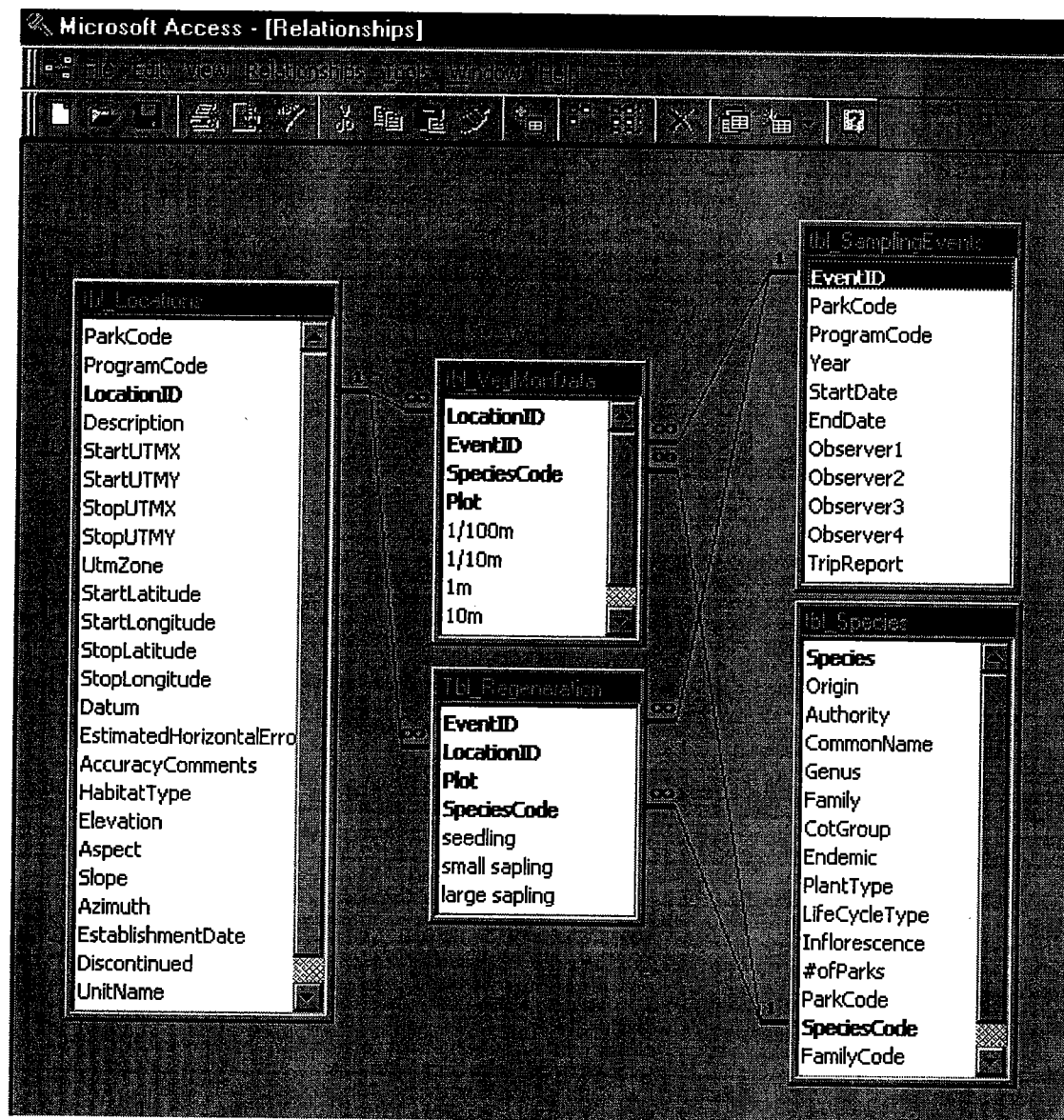


Figure 4. Plant community monitoring database structure.

TransectSpecies : Table								
	TransectID	EventID	Species Code	Plot	140cm	100cm	10cm	Cover
	1	1	ACMI2	40B	0	0	-1	2
	1	1	ALST	10A	0	0	-1	1
	1	1	ALST	10B	0	0	-1	1
	1	1	ALST	30B	0	0	-1	1
	1	1	ALST	40B	0	0	-1	1
	1	1	AMAR2	10B	-1	-1	-1	1
	1	1	AMAR2	20A	-1	-1	-1	4
	1	1	AMAR2	30A	0	0	-1	1
	1	1	AMAR2	40A	-1	-1	-1	2

Figure 5. TransectSpecies table format.

frm_NomenclatureUpdates : Form

Species Name: Abronia cycloptera Gray

Synonym: = Tripterocalyx micranthus

Family: Nyctaginaceae

Accession: ABCY2

Plant Name: 35923

Page: 1 Total: 22

Figure 7. Nomenclature look-up form.

frm_NewSpecies : Form

Species: Park code:

Authority:

Common name:

Family:

Genus:

N = Native, I = Introduced

Page 1 of 1

Figure 8. New species information form.

Qry_DataVerification : Select Query

SamplingEvents
 *
 EventCode
EventID
 ProgramCode
 StartDate

Transect
 *
Transect ID
 TransectCode
 CommunityType
 ParkCode

TransectSpecies
 *
Transect ID
EventID
Species code
Plot

Species
 Inflorescence
 # of Parks
 Park code
Species code
 Family code

TransectCode	EventCode	Species	Plot
Transect	SamplingEvents	Species	TransectSpecies
☒	☒	☒	☒
Like "wicr"	Not Like "wicr"		

Figure 9. Data validation query.

Appendix A. UTM coordinates of the plant community monitoring transects. In the coded comment column the first number designates transect pair, the first letter refers to either transect a or b of that pair, and the final letter designates either starting point, s, or end point, f. The Access database contains the description of the site locations for the transect pairs.

Appendix A. Sample unit location information						
Agate Fossil Beds National Monument						
ID	EASTING	NORTHING	COMMENT	System	Zone	Datum
1	604840.965	4696461.852	4bs	UTM	13T	NAD 1983 (Conus)
2	604879.068	4696428.812	4bf	UTM	13T	NAD 1983 (Conus)
3	604865.986	4696414.138	4af	UTM	13T	NAD 1983 (Conus)
4	604828.218	4696446.571	4as	UTM	13T	NAD 1983 (Conus)
5	604863.738	4696359.372	5bs	UTM	13T	NAD 1983 (Conus)
6	604905.154	4696332.049	5bf	UTM	13T	NAD 1983 (Conus)
7	604910.280	4696339.514	5af	UTM	13T	NAD 1983 (Conus)
8	604868.979	4696367.285	5as	UTM	13T	NAD 1983 (Conus)
9	602981.041	4696649.445	1as	UTM	13T	NAD 1983 (Conus)
10	602961.155	4696649.105	1bs	UTM	13T	NAD 1983 (Conus)
11	602961.127	4696598.783	1bf	UTM	13T	NAD 1983 (Conus)
12	602981.089	4696598.942	1af	UTM	13T	NAD 1983 (Conus)
13	603477.589	4696571.181	11as	UTM	13T	NAD 1983 (Conus)
14	603444.893	4696533.174	11af	UTM	13T	NAD 1983 (Conus)
15	603429.952	4696545.615	11bf	UTM	13T	NAD 1983 (Conus)
16	603461.923	4696584.297	11bs	UTM	13T	NAD 1983 (Conus)
17	604111.104	4696263.418	6af	UTM	13T	NAD 1983 (Conus)
18	604064.063	4696245.664	6as	UTM	13T	NAD 1983 (Conus)
19	604056.994	4696263.748	6bs	UTM	13T	NAD 1983 (Conus)
20	604103.369	4696282.186	6bf	UTM	13T	NAD 1983 (Conus)
21	602911.277	4697420.539	9bf	UTM	13T	NAD 1983 (Conus)
22	602895.428	4697408.338	9af	UTM	13T	NAD 1983 (Conus)
23	602927.008	4697368.510	9as	UTM	13T	NAD 1983 (Conus)
24	602942.756	4697380.936	9bs	UTM	13T	NAD 1983 (Conus)
25	601137.026	4697261.276	10 as	UTM	13T	NAD 1983 (Conus)
26	601088.831	4697248.268	10 af	UTM	13T	NAD 1983 (Conus)
27	601083.407	4697267.467	10 bf	UTM	13T	NAD 1983 (Conus)
28	601131.431	4697280.329	10 bs	UTM	13T	NAD 1983 (Conus)
29	604798.493	4697226.648	2bs	UTM	13T	NAD 1983 (Conus)
30	604807.765	4697177.516	2bf	UTM	13T	NAD 1983 (Conus)
31	604827.207	4697180.923	2af	UTM	13T	NAD 1983 (Conus)
32	604818.007	4697230.233	2as	UTM	13T	NAD 1983 (Conus)
33	604436.041	4697472.231	8af	UTM	13T	NAD 1983 (Conus)
34	604417.785	4697480.352	8bf	UTM	13T	NAD 1983 (Conus)
35	604434.124	4697527.396	8bs	UTM	13T	NAD 1983 (Conus)
36	604452.383	4697519.443	8as	UTM	13T	NAD 1983 (Conus)
1	604936.255	4697056.820	7as	UTM	13T	NAD 1983 (Conus)
2	604949.954	4697009.110	7af	UTM	13T	NAD 1983 (Conus)
3	604930.913	4697003.529	7bf	UTM	13T	NAD 1983 (Conus)
4	604917.236	4697051.138	7bs	UTM	13T	NAD 1983 (Conus)
5	604855.823	4696987.333	3bs	UTM	13T	NAD 1983 (Conus)
6	604877.306	4696942.341	3bf	UTM	13T	NAD 1983 (Conus)
7	604859.319	4696934.169	3af	UTM	13T	NAD 1983 (Conus)
8	604837.811	4696978.487	3as	UTM	13T	NAD 1983 (Conus)

Effigy Mounds National Monument

Management Unit	Trnst #	Corner	WP Number	Coord Type	Zone	Easting	Northing	Datum	Error
South Unit - Goat Prairie	6	SE 6AS	WP146	MARK146	UTM/UPS 15T	648039	4771470	NAS-C	5
South Unit - Goat Prairie	6	SW 6AF	WP147	MARK147	UTM/UPS 15T	647997	4771451	NAS-C	5
South Unit - Goat Prairie	6	NW 6BF	WP148	MARK148	UTM/UPS 15T	647991	4771480	NAS-C	5
South Unit - Goat Prairie	6	NE 6BS	WP149	MARK149	UTM/UPS 15T	648027	4771484	NAS-C	5
South Unit - Goat Prairie	6	MIDPLOT	WP150	MARK150	UTM/UPS 15T	648014	4771468	NAS-C	
South Unit - Goat Prairie	1	NW 1AS	WP151	MARK151	UTM/UPS 15T	648105	4769639	NAS-C	5
South Unit - Goat Prairie	1	SW 1A2S	WP152	MARK152	UTM/UPS 15T	648078	4769626	NAS-C	5
South Unit - Goat Prairie	1	SE 1A2F	WP153	MARK153	UTM/UPS 15T	648101	4769589	NAS-C	5
South Unit - Goat Prairie	1	NE 1AF	WP154	MARK154	UTM/UPS 15T	648121	4769592	NAS-C	5
South Unit - Goat Prairie	1	MIDPLOT	WP155	MARK155	UTM/UPS 15T	648107	4769610	NAS-C	5
South Unit - Goat Prairie	1	N 1BS	WP156	MARK156	UTM/UPS 15T	648124	4769582	NAS-C	6
South Unit - Goat Prairie	1	MIDPLOT	WP157	MARK157	UTM/UPS 15T	648132	4769561	NAS-C	6
South Unit - Goat Prairie	1	S 1BF	WP158	MARK158	UTM/UPS 15T	648141	4769544	NAS-C	6
South Unit - Goat Prairie	14	NW 14AS	WP159	MARK159	UTM/UPS 15T	647452	4770565	NAS-C	8
South Unit - Goat Prairie	14	NE 14AF	WP160	MARK160	UTM/UPS 15T	647414	4770603	NAS-C	8
South Unit - Goat Prairie	14	SE 14BF	WP161	MARK161	UTM/UPS 15T	647393	4770586	NAS-C	7
South Unit - Goat Prairie	14	SW 14BS	WP162	MARK162	UTM/UPS 15T	647438	4770554	NAS-C	7
South Unit - Goat Prairie	14	MIDPLOT	WP163	MARK163	UTM/UPS 15T	647424	4770579	NAS-C	7
North Unit - Goat Prairie	16	SW 16AS	WP164	MARK164	UTM/UPS 15T	647233	4772087	NAS-C	8
North Unit - Goat Prairie	16	NW 16AF	WP165	MARK165	UTM/UPS 15T	647213	4772132	NAS-C	8
North Unit - Goat Prairie	16	NE 16BF	WP166	MARK166	UTM/UPS 15T	647232	4772122	NAS-C	8
North Unit - Goat Prairie	16	SE 16BS	WP167	MARK167	UTM/UPS 15T	647255	4772071	NAS-C	8
North Unit - Goat Prairie	16	MIDPLOT	WP168	MARK168	UTM/UPS 15T	647228	4772109	NAS-C	8
North Unit - Prairie Restoration	7	NE 7AS	WP169	MARK169	UTM/UPS 15T	647893	4773019	NAS-C	4
North Unit - Prairie Restoration	7	SE 7AF	WP170	MARK170	UTM/UPS 15T	647909	4772972	NAS-C	4
North Unit - Prairie Restoration	7	SW 7BF	WP171	MARK171	UTM/UPS 15T	647891	4772966	NAS-C	4
North Unit - Prairie Restoration	7	NW 7BS	WP172	MARK172	UTM/UPS 15T	647875	4773012	NAS-C	5
North Unit - Prairie Restoration	7	MIDPLOT	WP173	MARK173	UTM/UPS 15T	647888	4772992	NAS-C	4
North Unit - Prairie Restoration	8	NW 8AS	WP174	MARK174	UTM/UPS 15T	647713	4773387	NAS-C	5
North Unit - Prairie Restoration	8	NE 8AF	WP175	MARK175	UTM/UPS 15T	647757	4773364	NAS-C	5
North Unit - Prairie Restoration	8	SE 8BF	WP176	MARK176	UTM/UPS 15T	647748	4773347	NAS-C	6
North Unit - Prairie Restoration	8	SW 8BS	WP177	MARK177	UTM/UPS 15T	647704	4773369	NAS-C	5
North Unit - Prairie Restoration	8	MIDPLOT	WP178	MARK178	UTM/UPS 15T	647729	4773357	NAS-C	7

Effigy Mounds (cont.)

Management Unit	Trnst	Corner	WP	Coord	Zone	Easting	Northing	Datum	Error
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	#	Number		Type					
North Unit - Goat Prairie	13	NW 13AF	WP180	MARK180	UTM/UPS 15T	648096	4774069	NAS-C	5
North Unit - Goat Prairie	13	NE 13BF	WP181	MARK181	UTM/UPS 15T	648120	4774075	NAS-C	6
North Unit - Goat Prairie	13	SE 13BS	WP182	MARK182	UTM/UPS 15T	648132	4774053	NAS-C	6
North Unit - Goat Prairie	13	MIDPLOT	WP183	MARK183	UTM/UPS 15T	648115	4774062	NAS-C	6
South Unit - Prairie Restoration	9	SW 9AS	WP184	MARK184	UTM/UPS 15T	647696	4770462	NAS-C	5
South Unit - Prairie Restoration	9	NW 9AF	WP185	MARK185	UTM/UPS 15T	647705	4770511	NAS-C	5
South Unit - Prairie Restoration	9	NE 9BF	WP186	MARK186	UTM/UPS 15T	647724	4770507	NAS-C	5
South Unit - Prairie Restoration	9	SE 9BS	WP187	MARK187	UTM/UPS 15T	647717	4770459	NAS-C	5
South Unit - Prairie Restoration	9	MIDPLOT	WP188	MARK188	UTM/UPS 15T	647715	4770484	NAS-C	7

Homestead National Monument of America						
ID	Easting	Northing	Comment	System	Zone	Datum
1	684187.124	4461909.951	5bf	UTM	14T	NAD 1983 (Conus)
2	684221.560	4461946.030	5bs	UTM	14T	NAD 1983 (Conus)
3	684236.531	4461932.076	5as	UTM	14T	NAD 1983 (Conus)
4	684201.618	4461896.045	5af	UTM	14T	NAD 1983 (Conus)
5	684335.230	4461816.582	4bf	UTM	14T	NAD 1983 (Conus)
6	684375.440	4461846.586	4bs	UTM	14T	NAD 1983 (Conus)
7	684387.203	4461830.448	4as	UTM	14T	NAD 1983 (Conus)
8	684347.046	4461801.044	4af	UTM	14T	NAD 1983 (Conus)
9	684405.262	4461763.451	3bf	UTM	14T	NAD 1983 (Conus)
10	684419.040	4461748.941	3af	UTM	14T	NAD 1983 (Conus)
11	684439.367	4461799.799	3bs	UTM	14T	NAD 1983 (Conus)
12	684453.534	4461785.691	3as	UTM	14T	NAD 1983 (Conus)
13	684557.309	4461697.988	1bs	UTM	14T	NAD 1983 (Conus)
14	684568.868	4461681.735	1as	UTM	14T	NAD 1983 (Conus)
15	684528.731	4461652.154	1af	UTM	14T	NAD 1983 (Conus)
16	684517.053	4461668.076	1bf	UTM	14T	NAD 1983 (Conus)
17	684237.016	4461667.601	2bf	UTM	14T	NAD 1983 (Conus)
18	684237.102	4461647.778	2af	UTM	14T	NAD 1983 (Conus)
19	684286.502	4461648.476	2as	UTM	14T	NAD 1983 (Conus)
20	684286.926	4461668.525	2bs	UTM	14T	NAD 1983 (Conus)

Pipestone National Monument						
ID	Easting	Northing	Comment	System	Zone	Datum
1	714365.1183391	4876688.4319143	14bf	UTM	15T	NAD 1983 (Conus)
2	714413.8898107	4876698.9781942	14bs	UTM	15T	NAD 1983 (Conus)
3	714410.1309314	4876718.3363204	14as	UTM	15T	NAD 1983 (Conus)
4	714361.2878674	4876708.6408637	14af	UTM	15T	NAD 1983 (Conus)
5	714649.4764045	4876695.2493327	12af	UTM	15T	NAD 1983 (Conus)
6	714666.6756521	4876703.8297934	12bf	UTM	15T	NAD 1983 (Conus)
7	714689.3597274	4876659.2985164	12bs	UTM	15T	NAD 1983 (Conus)
8	714671.9893136	4876650.1349723	12as	UTM	15T	NAD 1983 (Conus)
9	714670.1882234	4876564.1849651	13as	UTM	15T	NAD 1983 (Conus)
10	714690.4638110	4876563.5535829	13bs	UTM	15T	NAD 1983 (Conus)
11	714693.7303375	4876613.4198662	13bf	UTM	15T	NAD 1983 (Conus)
12	714674.0611287	4876614.5360122	13af	UTM	15T	NAD 1983 (Conus)
13	714368.4761217	4876607.0509930	11as	UTM	15T	NAD 1983 (Conus)
14	714349.0677631	4876606.3819779	11bs	UTM	15T	NAD 1983 (Conus)
15	714352.4665505	4876556.8826937	11bf	UTM	15T	NAD 1983 (Conus)
16	714373.0838975	4876557.6976547	11af	UTM	15T	NAD 1983 (Conus)
17	714541.6850523	4876643.0291060	6bs	UTM	15T	NAD 1983 (Conus)
18	714538.4885606	4876602.7003500	6bf	UTM	15T	NAD 1983 (Conus)
19	714746.0261956	4876959.0873236	5bs	UTM	15T	NAD 1983 (Conus)
20	714739.9658797	4876920.2137034	5bf	UTM	15T	NAD 1983 (Conus)
21	713950.9060135	4877015.2888023	7bs	UTM	15T	NAD 1983 (Conus)
22	713969.1172487	4877022.1762070	7as	UTM	15T	NAD 1983 (Conus)
23	713984.7089731	4876975.3868595	7af	UTM	15T	NAD 1983 (Conus)
24	713966.1286390	4876969.4237985	7bf	UTM	15T	NAD 1983 (Conus)
25	714100.7931722	4877187.2038072	9bs	UTM	15T	NAD 1983 (Conus)
26	714120.7084356	4877191.5044009	9as	UTM	15T	NAD 1983 (Conus)
27	714130.2191982	4877142.5805413	9af	UTM	15T	NAD 1983 (Conus)
28	714111.0656621	4877138.7566320	9bf	UTM	15T	NAD 1983 (Conus)
29	714829.9185677	4876625.2683404	10as	UTM	15T	NAD 1983 (Conus)
30	714849.5302079	4876629.0621918	10bs	UTM	15T	NAD 1983 (Conus)
31	714842.3523858	4876678.7950731	10bf	UTM	15T	NAD 1983 (Conus)
32	714822.7063815	4876674.8480915	10af	UTM	15T	NAD 1983 (Conus)
33	713995.6931057	4877200.1533506	8as	UTM	15T	NAD 1983 (Conus)
34	713978.0528523	4877148.6205077	8bf	UTM	15T	NAD 1983 (Conus)
35	713997.8824094	4877149.9603793	8af	UTM	15T	NAD 1983 (Conus)
36	713975.8121178	4877198.6053707	8bs	UTM	15T	NAD 1983 (Conus)

Scott's Bluff National Monument						
ID	Easting	Northing	Comment	System	Zone	Datum
1	606431.217	4631805.674	1bs	UTM	13T	NAD 1983 (Conus)
2	606447.352	4631798.340	1as	UTM	13T	
3	606423.416	4631753.199	1af	UTM	13T	
4	606407.761	4631761.849	1bf	UTM	13T	
6	606375.571	4631808.093	2af	UTM	13T	
7	606357.180	4631816.284	2bf	UTM	13T	
8	606381.609	4631859.362	2bs	UTM	13T	
9	606398.294	4631851.774	2as	UTM	13T	
10	606536.271	4631567.490	5as	UTM	13T	
11	606489.131	4631557.859	5af	UTM	13T	
12	606490.514	4631540.312	5bf	UTM	13T	
13	606540.477	4631547.294	5bs	UTM	13T	
14	606474.750	4631166.468	3bs	UTM	13T	
15	606520.373	4631184.738	3bf	UTM	13T	
16	606527.380	4631168.350	3af	UTM	13T	
17	606481.607	4631149.522	3as	UTM	13T	
18	606399.407	4631335.785	4as	UTM	13T	
19	606443.981	4631356.146	4af	UTM	13T	
20	606436.195	4631373.714	4bf	UTM	13T	
21	606391.072	4631353.569	4bs	UTM	13T	
22	605931.932	4631375.754	6bs	UTM	13T	
23	605914.367	4631363.872	6as	UTM	13T	
24	605901.186	4631415.845	6bf	UTM	13T	
25	605884.064	4631403.376	6af	UTM	13T	
26	605844.581	4631381.575	7af	UTM	13T	
27	605829.259	4631369.259	7bf	UTM	13T	
28	605859.043	4631329.635	7bs	UTM	13T	
29	605874.462	4631341.091	7as	UTM	13T	
30	608487.669	4632847.023	13as	UTM	13T	
31	608474.817	4632831.327	13bs	UTM	13T	
32	608513.789	4632799.330	13bf	UTM	13T	
33	608526.899	4632815.211	13af	UTM	13T	
34	608427.300	4632931.823	14as	UTM	13T	
35	608414.506	4632916.287	14bs	UTM	13T	
36	608466.310	4632899.983	14af	UTM	13T	
37	608453.252	4632884.142	14bf	UTM	13T	
38	608321.583	4632887.752	11as	UTM	13T	
39	608281.812	4632918.470	11af	UTM	13T	
40	608293.200	4632934.182	11bf	UTM	13T	
41	608333.224	4632904.432	11bs	UTM	13T	
42	608686.570	4633236.917	12as	UTM	13T	
43	608685.019	4633287.035	12af	UTM	13T	
44	608705.032	4633287.646	12bf	UTM	13T	
45	608706.292	4633237.851	12bs	UTM	13T	

Wilson's Creek National Battlefield

ID	Easting	Northing	Comment	System	Zone	Datum
1	463444.283	4106553.686	1bf	UTM	15T	NAD 1983 (Conus)
2	463275.906	4106877.264	9as	UTM	15T	NAD 1983 (Conus)
3	463283.710	4106895.078	9bs	UTM	15T	NAD 1983 (Conus)
4	463229.736	4106895.869	9af	UTM	15T	NAD 1983 (Conus)
5	463237.585	4106913.155	9bf	UTM	15T	NAD 1983 (Conus)
6	463089.174	4107039.461	8bs	UTM	15T	NAD 1983 (Conus)
7	463066.320	4107083.417	8bf	UTM	15T	NAD 1983 (Conus)
8	463047.294	4107077.908	8af	UTM	15T	NAD 1983 (Conus)
9	463070.254	4107033.955	8as	UTM	15T	NAD 1983 (Conus)
1	463460.577	4106627.688	2bs	UTM	15T	NAD 1983 (Conus)
2	463439.656	4106626.347	2as	UTM	15T	NAD 1983 (Conus)
3	463432.451	4106676.317	2af	UTM	15T	NAD 1983 (Conus)
4	463453.424	4106679.068	2bf	UTM	15T	NAD 1983 (Conus)
5	463467.439	4106554.321	3af	UTM	15T	NAD 1983 (Conus)
6	463485.610	4106556.548	3bf	UTM	15T	NAD 1983 (Conus)
7	463492.193	4106507.522	3bs	UTM	15T	NAD 1983 (Conus)
8	463472.568	4106503.134	3as	UTM	15T	NAD 1983 (Conus)
9	463429.841	4106500.580	1as	UTM	15T	NAD 1983 (Conus)
10	463450.356	4106503.208	1bs	UTM	15T	NAD 1983 (Conus)
11	463423.219	4106551.429	1af	UTM	15T	NAD 1983 (Conus)
12	463443.796	4106554.464	1bf	UTM	15T	NAD 1983 (Conus)
1	464206.089	4105469.236	5bs	UTM	15T	NAD 1983 (Conus)
2	464225.560	4105471.690	5as	UTM	15T	NAD 1983 (Conus)
3	464225.795	4105520.601	5af	UTM	15T	NAD 1983 (Conus)
4	464208.023	4105520.922	5bf	UTM	15T	NAD 1983 (Conus)
5	464304.057	4105339.272	4bf	UTM	15T	NAD 1983 (Conus)
6	464288.373	4105323.564	4af	UTM	15T	NAD 1983 (Conus)
7	464320.850	4105286.367	4as	UTM	15T	NAD 1983 (Conus)
8	464335.910	4105299.960	4bs	UTM	15T	NAD 1983 (Conus)
9	464342.160	4105091.320	6bs	UTM	15T	NAD 1983 (Conus)
10	464327.100	4105080.495	6as	UTM	15T	NAD 1983 (Conus)
11	464301.644	4105124.203	6af	UTM	15T	NAD 1983 (Conus)
12	464318.640	4105134.717	6bf	UTM	15T	NAD 1983 (Conus)
13	464298.799	4105018.836	7bf	UTM	15T	NAD 1983 (Conus)
14	464300.387	4105000.891	7af	UTM	15T	NAD 1983 (Conus)
15	464350.442	4105005.788	7as	UTM	15T	NAD 1983 (Conus)
16	464349.188	4105026.001	7bs	UTM	15T	NAD 1983 (Conus)

Appendix B. Annual status report on plant community monitoring at Pipestone National Monument.

**Prairie Cluster Long-Term
Ecological Monitoring Program**

**Program Report
99-003**

Annual Status Report:
**1999 Plant Community Monitoring for
Pipestone National Monument**



Annual Status Report

1999 Plant Community Monitoring for
Pipestone National Monument

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1.0 Introduction

The six parks of the Prairie Cluster Long-Term Ecological Monitoring Program (hereafter referred to as Prairie Cluster Program) include native prairie, savanna/woodland, and glade remnants as well as restored prairie communities. To manage these communities, park managers employ prescribed fire, woody plant removal and mowing and use herbicides and biological control. Simultaneously, park managers continue to restore native vegetation to disturbed sites. Managers of the Prairie Cluster Program parks need to know if their management strategies are effective in maintaining and restoring native grassland communities.

Pipestone National Monument (PIPE) in Minnesota was established in 1937 to preserve the pipestone quarries in their natural tallgrass prairie environment, to manage the quarries, and to provide Native Americans with free access to quarry the pipestone. The remnant tallgrass prairie surrounding the pipestone quarries supports more than 250 native vascular plant species, including the federally threatened western prairie fringed orchid (*Platanthera praeclara*). In addition to the tallgrass prairie, the most intact example of the Sioux quartzite prairie community is found at PIPE. The Sioux quartzite prairie type is considered endangered throughout its range.

2.0 Objectives

The purpose of plant community monitoring in the Prairie Cluster Program parks is to detect and describe long-term changes in prairie plant communities.

3.0 Plant Communities Monitored

Restored Tallgrass Prairie (unit 4)

A goal at PIPE is maintenance and restoration of the historic tallgrass vista that surrounds the pipestone quarries. A component of this goal is the restoration of tallgrass prairie communities. Restoration efforts in the 1990's focused on introducing native grass and forb species into fields dominated by smooth brome. The persistence of exotic species in these areas is a concern to resource managers. Restored areas are managed with fire, mowing, and manual removal of exotics. Three transect pairs (30 plots) are located in management unit 4.

Sioux Quartzite Prairie

The Sioux quartzite prairie at PIPE represents one of the least disturbed examples of this rare community type globally. The combination of water retaining depressions and thin, arid soils supports many unique species including several Minnesota listed rare plants. Prescribed fire is employed as a management tool in this community. Three sample sites totaling 30 plots are located in the Sioux quartzite prairie type.

Tallgrass Prairie (unit 2)

The tallgrass prairie community is culturally significant as the historic background to the Pipestone quarries. Today, 160 acres of native tallgrass prairie remain in the monument. Previous botanical investigations have identified 250 vascular plants species occurring in the prairie including the federally threatened western prairie fringed orchid. Prescribed fire is

employed as a management tool in this community. Four transect pairs (40 plots) are located in management unit 2.

4.0 Methods

All transect pairs in unit 2, unit 4, and the quartzite prairie were sampled in June and October 1999 using the procedures in Buck et al. 2000.

5.0 Results

Restored Tallgrass Prairie (unit 4)

Eighty-one species were identified in unit 4 many of which are native tallgrass prairie forbs (Appendix, Restored Tallgrass Prairie, Tables 1a and 1b). While exotics remain abundant in unit 4 (Appendix, Restored Tallgrass Prairie, Table 3), the success of big bluestem seeding in the 1990s has begun to reshape the plant community. From 1997 to 1999, the mean cover of big bluestem (*Andropogon gerardii*), a native grass, increased from 5.14% to 26.13% and in 1999, big bluestem had the highest importance value as compared to the seventh in 1997 (Table 1). In contrast, over the same period the cover of smooth brome (*Bromus inermis*), an exotic grass, declined from 35.05% to 4.71% (Appendix, Restored Tallgrass Prairie, Table 3). Between 1997 and 1999, most likely as a reflection of the changes in the cover of big bluestem and smooth brome, the relative cover of all native species increased from 51.33% to 79.36%, and the relative cover of all exotic species dropped from 48.67% to 20.64% (Table 2).

The seeding of native grasses and forbs in unit 4 has likely increased mean Shannon diversity from 2.35 in 1997 to 2.52 in 1999 (Table 3) although the overlap in confidence intervals suggest the changes are not significant (Figure 1). However, mean Shannon diversity in unit 4 is significantly below that of unit 2, the restoration model (Table 3, Figure 2). Likewise, a Sorensen's coefficient of 0.51 between units 4 and 2 (Table 4) indicates the units are not very similar and additional restoration is needed in unit 4.

Sioux Quartzite Prairie

Ninety-nine species were identified in this plant community; this was 36 more than the number identified in 1997 (Appendix, Sioux Quartzite Prairie, Table 1a). Also, mean species richness increased significantly from 1997 to 1999 although mean Shannon diversity did not (Table 3, Figure 3). However, the change in mean species richness is likely the result of an increase in sampling effort (10 plots sampled in 1997 vs. 20 plots sampled in 1999) and not true changes in species composition. Relative frequency and relative cover of native and exotic plants have remained constant over the 1997 to 1999 period. Kentucky bluegrass (*Poa pratensis*), an exotic grass, remains the most common exotic and in 1999 had increased from second to first in importance (Table 1). Buckthorn (*Rhamnus cathartica*), an exotic shrub, had dropped in importance from six in 1997 to 28th in 1999 as an apparent result of aggressive actions by park resource managers to cut and stump-treat this invasive species.

Tallgrass Prairie (unit 2)

Ninety-four species were identified in unit 2 (Appendix, Tallgrass Prairie, Table 1a). As expected, mean Shannon diversity and evenness were almost identical between 1998, the first year of sampling in the unit, and in 1999. Relative frequency and relative cover of native and exotic species changed little between 1998 and 1999. However, from 1998 to 1999, Kentucky bluegrass increased from fourth in importance to first (Table 1). This species is known to decrease in response to fire and then increase in subsequent years (Wright and Bailey 1982). Unit 2 was last burned in 1997.

6.0 References

Willson, G.D., L. Thomas M. DeBacker, W.M. Rizzo and C. Buck. 2000. Draft plant community monitoring protocol for six prairie parks. U.S. Geological Survey, Northern Prairie Wildlife Research Center, Missouri Field Station, 302 Gentry Hall, University of Missouri-Columbia, MO 65211.

Wright H.A. and A.W. Bailey. 1982. Fire Ecology: United States and southern Canada. New York: John Wiley and Sons, Inc. 501 p.

Table 1. Comparison of importance values of herbaceous and shrub species in plant community plots sampled from 1997 through 1999 at Pipestone National Monument, Minnesota.

a. Restored prairie

Species	Importance Value/Rank		
	1997	1998	1999
<i>Bromus inermis</i>	0.1751/1	0.0566/4	0.0389/6
<i>Poa pratensis</i>	0.1034/2	0.1007/1	0.0824/2
<i>Rosa arkansana</i>	0.0680/3	0.0653/2	0.0354/7
<i>Solidago canadensis</i>	0.0568/4	0.0494/6	0.0494/5
<i>Sporobolus heterolepis</i>	0.0397/5	0.0480/7	0.0172/13
<i>Aster laevis</i>	0.0349/6	0.0494/5	0.0522/4
<i>Andropogon gerardii</i>	0.0345/7	0.0578/3	0.1330/1
<i>Artemisia ludoviciana</i>	0.0341/8	0.0368/8	0.0168/16
<i>Solidago rigida</i>	0.0336/9	0.0359/10	0.0332/8
<i>Phlox glaberrima</i>	0.0207/10	0.0203/15	----

b. Quartzite Prairie

Species	Importance Value/Rank		
	1997	1998	1999
<i>Dichanthelium oligosanthes</i>	0.1366/1	0.0238/9	0.0237/9
<i>Poa pratensis</i>	0.1172/2	0.1219/1	0.1200/1
<i>Schizachyrium scoparium</i>	0.0960/3	0.0705/2	0.0739/2
<i>Koeleria macrantha</i>	0.0421/4	0.0243/8	0.0408/5
<i>Andropogon gerardii</i>	0.0315/5	0.0505/3	0.0259/7
<i>Rhamnus cathartica</i>	0.0315/6	0.0126/29	0.0112/28
<i>Bouteloua gracilis</i>	0.0302/7	0.0223/12	0.0198/12
<i>Ambrosia artemisiifolia</i>	0.0277/8	----	---
<i>Opuntia fragilis</i>	0.0277/9	0.0204/17	0.0191/15
<i>Allium stellatum</i>	0.0226/10	0.0217/14	0.0183/17

c. Tallgrass prairie

Species	Importance Value/Rank		
	1997	1998	1999
<i>Rosa arkansana</i>	----	0.0713/1	0.0549/3
<i>Bromus inermis</i>	----	0.0607/2	0.0618/2
<i>Dichanthelium oligosanthos</i>	----	0.0604/3	0.0442/5
<i>Poa pratensis</i>	----	0.0540/4	0.0720/1
<i>Andropogon gerardii</i>	----	0.0461/5	0.0419/6
<i>Sporobolus heterolepis</i>	----	0.0461/6	0.0201/17
<i>Amorpha canescens</i>	----	0.0433/7	0.0511/4
<i>Sorghastrum nutans</i>	----	0.0348/8	0.0334/11
<i>Solidago missouriensis</i>	----	0.0336/9	0.0360/7
<i>Aster ericoides</i>	----	0.0311/10	0.0330/12

Table 2. Comparison of relative frequency (%) and relative cover (%) of native and exotic species in plant community plots sampled from 1997 through 1999 at Pipestone National Monument, Minnesota.

	Restored prairie	Quartzite prairie	Tallgrass prairie
Relative frequency (native)			
1997	80.23	86.93	---
1998	81.39	87.57	90.17
1999	82.35	92.70	90.58
Relative cover (native)			
1997	51.33	74.96	---
1998	72.90	73.25	83.03
1999	79.36	75.62	78.84
Relative frequency (exotic)			
1997	19.77	13.07	---
1998	18.61	12.43	9.83
1999	17.65	7.30	9.42
Relative cover (exotic)			
1997	48.67	25.04	---
1998	27.10	26.75	16.92
1999	20.64	24.37	21.26

Table 3. Community indices values for restored prairie, quartzite prairie, and tallgrass prairie for the years 1997 to 1999 at Pipestone National Monument.

	Restored prairie (mean± SD)	Quartzite prairie (mean ±SD)	Tallgrass prairie (mean± SD)
Species richness			
1997	45.00±2.94	39.50±1.50	---
1998	50.00±3.56	52.50±1.50	53.00±6.81
1999	51.33±2.87	60.00±1.00	57.80±7.14
Shannon diversity			
1997	2.35±0.32	2.36±0.26	---
1998	2.73±0.13	2.93±0.21	2.97±0.10
1999	2.52±0.18	2.91±0.16	2.98±0.14
Shannon evenness			
1997	0.62±0.08	0.64±0.06	---
1998	0.70±0.03	0.74±0.05	0.75±0.03
1999	0.64±0.05	0.71±0.04	0.74±0.03
Exotic/native ratio ¹			
1997	0.221	0.145	---
1998	0.160	0.145	0.135
1999	0.163	0.122	0.128

¹SD not calculated

Table 4. Similarity indices for restored prairie, quartzite prairie, and tallgrass prairie in 1999 at Pipestone National Monument.

1999	Sites	Restored prairie	Quartzite prairie	Tallgrass prairie
	Restored prairie		.24	.51
	Quartzite prairie	.25		.28
	Tallgrass prairie	.51	.28	

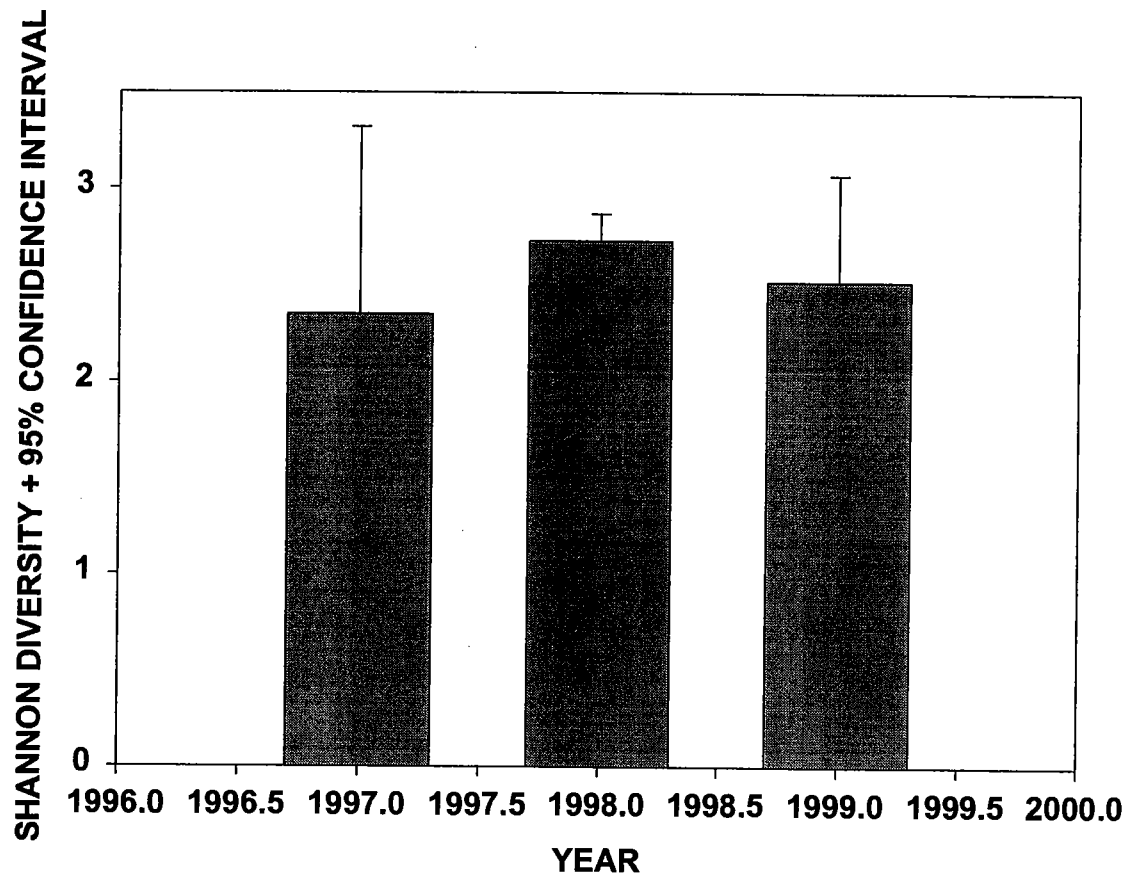


Figure 1. Shannon diversity (+ 95% confidence interval) in the restored prairie (unit 4) for 1997 through 1999 at Pipestone National Monument.

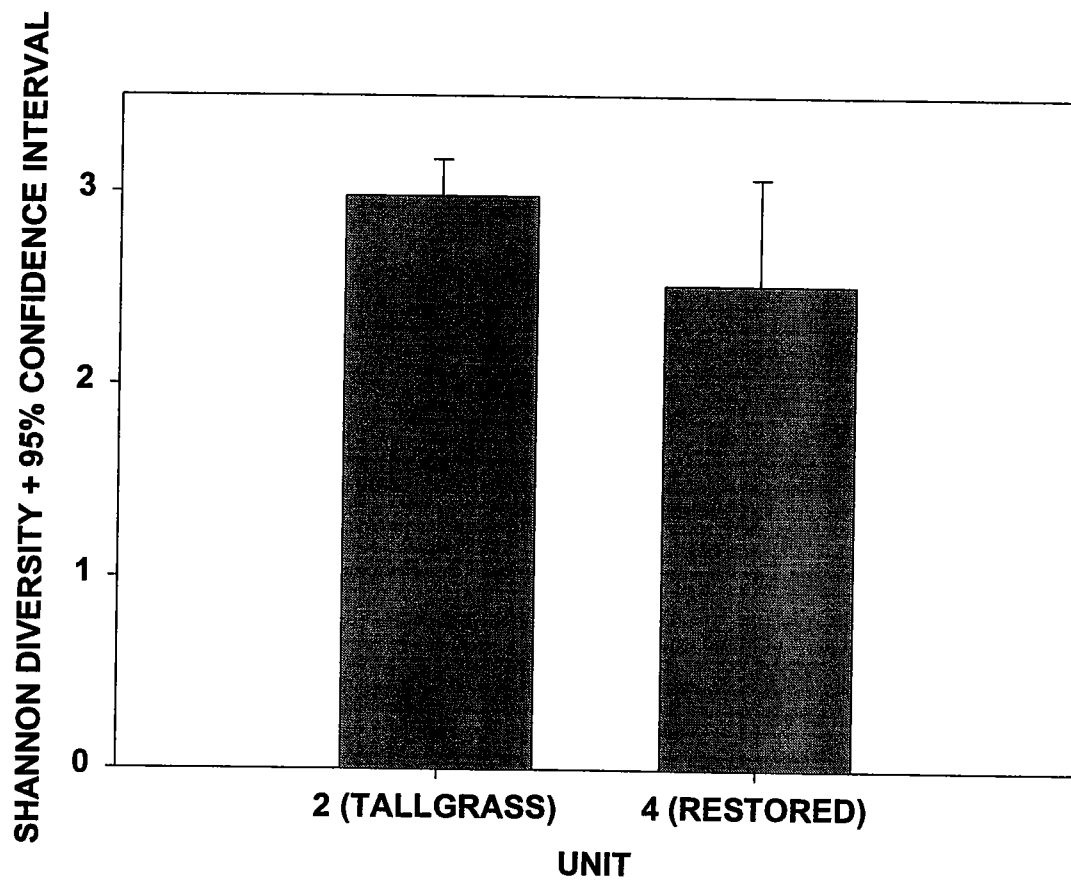


Figure 2. Shannon diversity in the tallgrass prairie (unit 2) and restored prairie (unit 4) in 1999 at Pipestone National Monument.

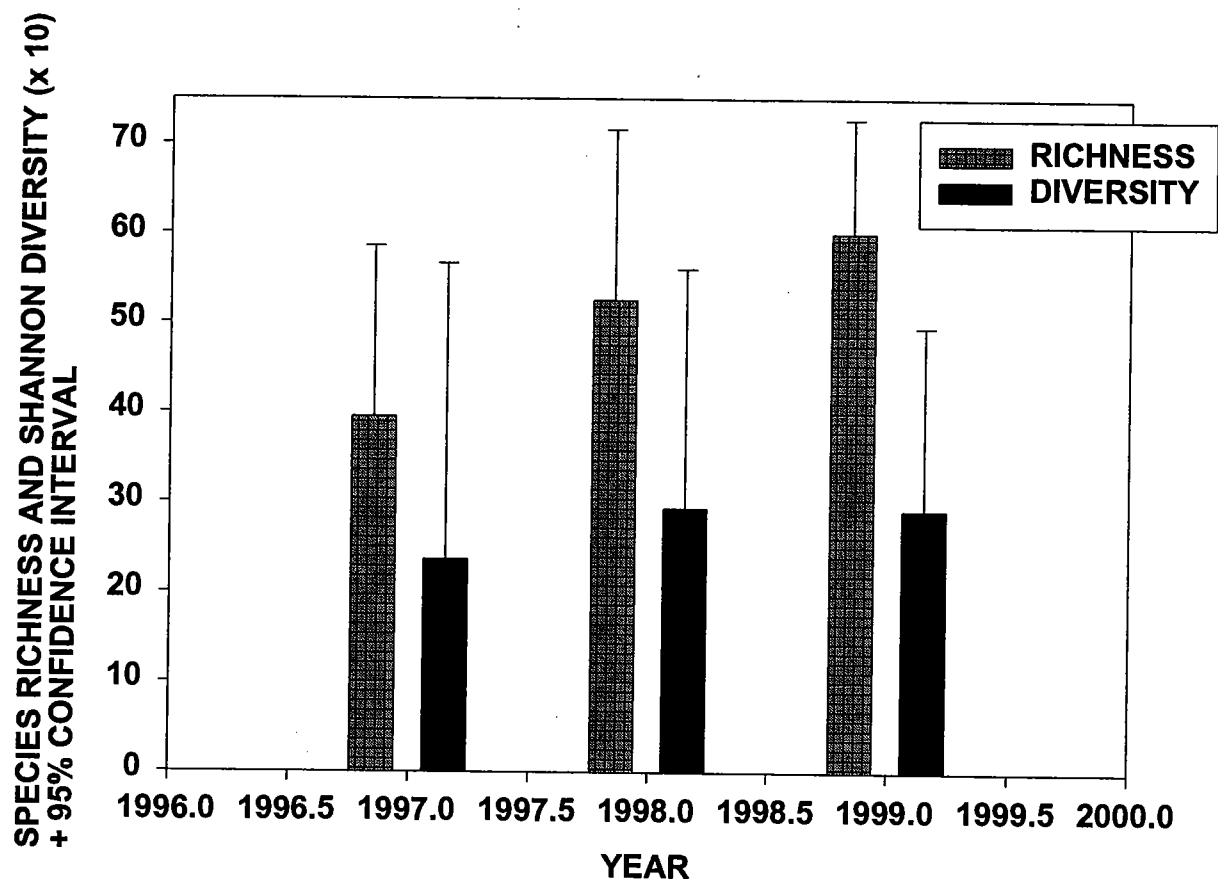


Figure 3. Species richness and Shannon diversity (+ 95% confidence interval) in the quartzite prairie for 1997 through 1999 at Pipestone National Monument.

Appendix (data collection and summary by Mike DeBacker, Karola Mlekush, Lisa Thomas, Cindy Buck, and Jennifer Haack)

Appendix (data collection and summary by Mike DeBacker, Karola Mlekush, Lisa Thomas, Cindy Buck, and Jennifer Haack)

1999 Vegetation Summary: Tallgrass Prairie, Pipestone National Monument

Table 1a. Plant Community Composition: Species Richness and Shannon Diversity.

All Species:

Species Richness:	94		
Total Shannon Diversity:	3.35	Total Shannon Evenness:	0.74
Mean Diversity (st dev):	2.97 (0.18)	Mean Evenness (st dev):	0.74 (0.04)

Native Species Only:

Native Species Richness:	81		
Total Shannon Diversity:	3.37	Total Shannon Evenness:	0.77
Mean Diversity (st dev):	2.96 (0.11)	Mean Evenness (st dev):	0.76 (0.03)

Table 1b. Plant Community Summary: Relative Frequency and Cover of Exotic Species.

Number of Exotic Species: 12
Number of Native Species: 81
Exotic Ratio: 0.129

	<u>Mean Relative Frequency</u>	<u>Mean Relative Cover</u>
Exotic	9.42%	21.26%
Native	90.58%	78.74%

Table 2a. Plant Community Structure: Ground Cover.

<u>Structural Component</u>	<u>Mean Percent Cover</u>
Bare Soil	12.53%
Grass Litter	82.75%
Unvegetated Surface	21.75%

Table 2b. Plant Community Structure: Vegetation Type Cover.

<u>Vegetation Type</u>	<u>Mean Percent Cover</u>
Ferns and Fern Allies	0.16%
Grasses/Grass-Like	87.00%
Herbs	69.26%
Shrubs	32.46%
Trees	2.25%

Table 3a. Plant Community Composition: Herbaceous and Shrub Species.

Species	Frequency	Mean Cover	Importance Value
POA PRATENSIS	97.50%	21.27%	0.0722
BROMUS INERMIS	72.50%	25.62%	0.0628

ROSA ARKANSANA	100.00%	14.03%	0.0546
AMORPHA CANESCENS	90.00%	14.76%	0.0516
DICHANTHELIUM OLIGOSANTHES	95.00%	10.84%	0.0439
ANDROPOGON GERARDII	97.50%	9.49%	0.0417
SOLIDAGO MISSOURIENSIS	67.50%	13.43%	0.0361
HELIANTHUS PAUCIFLORUS ssp. PAUCIFLORUS	72.50%	11.45%	0.0348
CAREX SPP	90.00%	7.57%	0.0341
ASTER ERICOIDES	92.50%	6.70%	0.0333
SORGHASTRUM NUTANS	80.00%	9.00%	0.0329
SOLIDAGO CANADENSIS var. GILVOCANESCENS	60.00%	12.73%	0.0307
PHLOX PILOSA	82.50%	4.56%	0.0248
LATHYRUS VENOSUS	50.00%	8.85%	0.0205
ARTEMISIA LUDOVICIANA	47.50%	9.55%	0.0200
ZIZIA AUREA	35.00%	14.71%	0.0199
SPOROBOLUS HETEROLEPIS	55.00%	7.00%	0.0198
RATIBIDA PINNATA	75.00%	1.50%	0.0166
PSORALEA ARGOPHYLLA	57.50%	3.59%	0.0160
GLYCYRRHIZA LEPIDOTA	40.00%	7.94%	0.0156
STIPA SPARTEA	55.00%	3.70%	0.0150
VICIA AMERICANA	67.50%	1.50%	0.0148
SCHIZACHYRIUM SCOPARIUM	52.50%	3.17%	0.0137
SPARTINA PECTINATA	55.00%	2.39%	0.0135
ASTER LAEVIS	50.00%	3.30%	0.0134
APOCYNUM CANNABINUM	35.00%	7.64%	0.0134
ANEMONE CANADENSIS	45.00%	4.17%	0.0128
ASCLEPIAS SYRIACA	57.50%	1.35%	0.0124
BOUTELOUA CURTIPENDULA	37.50%	4.90%	0.0118
HELIANTHUS MAXIMILIANI	35.00%	5.89%	0.0118
PANICUM VIRGATUM	50.00%	2.10%	0.0117
ELEOCHARIS OBTUSA	27.50%	7.55%	0.0105
MONARDA FISTULOSA	47.50%	1.16%	0.0099
PRUNUS AMERICANA	20.00%	10.88%	0.0097
SOLIDAGO RIGIDA	37.50%	1.80%	0.0087
VIOLA PEDATIFIDA	45.00%	0.50%	0.0087
ANEMONE CYLINDRICA	32.50%	2.38%	0.0081
EQUISETUM LAEVIGATUM	32.50%	0.50%	0.0064
TARAXACUM OFFICINALE	30.00%	0.50%	0.0058
HELIOPSIS HELIANTHOIDES	27.50%	0.50%	0.0054
MELILOTUS SPP	25.00%	1.25%	0.0052
PHYSALIS VIRGINIANA	25.00%	0.75%	0.0052
DALEA PURPUREA	25.00%	0.50%	0.0050
AMBROSIA PSILOSTACHYA	22.50%	1.06%	0.0049
CIRSIIUM FLODMANII	20.00%	0.81%	0.0041
PRUNUS PUMILA	12.50%	4.90%	0.0039
GALIUM OBTUSUM	12.50%	4.40%	0.0038

Species	Frequency	Mean Cover	Importance Value
CARDUUS NUTANS	16.67%	1.50%	0.0043
VIOLA SPP	16.67%	0.50%	0.0037
GALIMUM BOREALE	16.67%	0.50%	0.0037
LIATRIS ASPERA	16.67%	0.50%	0.0037
APOCYNUM CANNABINUM	13.33%	1.12%	0.0033
TRIFOLIUM HYBRIDUM	10.00%	2.17%	0.0030
HELIOPSIS HELIANTHOIDES	13.33%	0.50%	0.0029
CONVOLVULUS ARVENSIS	3.33%	15.00%	0.0026
ERIGERON STRIGOSUS	10.00%	0.50%	0.0022
CIRSIIUM FLODMANII	10.00%	0.50%	0.0022
SYMPHORICARPOS OCCIDENTALIS	10.00%	0.50%	0.0022
SPARTINA PECTINATA	10.00%	0.50%	0.0022
CALYSTEGIA SEPIUM	10.00%	0.50%	0.0022
LOTUS UNIFOLIOLATUS var. UNIFOLIOLATUS	6.67%	0.50%	0.0015
ANTENNARIA NEGLECTA	6.67%	0.50%	0.0015
LINARIA VULGARIS	6.67%	0.50%	0.0015
LIATRIS PYCNOSTACHYA	6.67%	0.50%	0.0015
STIPA SPARTEA	6.67%	0.50%	0.0014
ECHINACEA ANGUSTIFOLIA	3.33%	0.50%	0.0007
FRAGARIA VIRGINIANA	3.33%	0.50%	0.0007
ASPARAGUS OFFICINALIS	3.33%	0.50%	0.0007
ERIGERON GLABELLUS	3.33%	0.50%	0.0007
PRUNUS AMERICANA	3.33%	0.50%	0.0007
TRAGOPOGON DUBIUS	3.33%	0.50%	0.0007
VERNONIA FASCICULATA	3.33%	0.50%	0.0007
LESPEDEZA CAPITATA	3.33%	0.50%	0.0007
LOBELIA SPICATA	3.33%	0.50%	0.0007
COREOPSIS PALMATA	3.33%	0.50%	0.0007
HELIANTHUS GROSSESERRATUS	3.33%	0.50%	0.0007
PLANTAGO PATAGONICA	3.33%	0.50%	0.0007
ONOSMODIUM MOLLE	3.33%	0.50%	0.0007
LACTUCA TATARICA var. PULCHELLA	3.33%	0.50%	0.0007
ZIZIA APTERA	3.33%	0.50%	0.0007
LITHOSPERMUM CANESCENS	3.33%	0.50%	0.0007

Table 3b. Plant Community Composition: Exotic Species.

Species	Frequency	Mean Cover	Importance Value
POA PRATENSIS	100.00%	14.45%	0.0808
BROMUS INERMIS	96.67%	4.71%	0.0383
MELILOTUS SPP	50.00%	3.27%	0.0173
TARAXACUM OFFICINALE	70.00%	1.19%	0.0173
SETARIA VIRIDIS	50.00%	2.47%	0.0149
LACTUCA SERRIOLA	33.33%	2.45%	0.0099
CARDUUS NUTANS	16.67%	1.50%	0.0043
TRIFOLIUM HYBRIDUM	10.00%	2.17%	0.0030
CONVOLVULUS ARVENSIS	3.33%	15.00%	0.0026
LINARIA VULGARIS	6.67%	0.50%	0.0015
ASPARAGUS OFFICINALIS	3.33%	0.50%	0.0007

ROSA ARKANSANA	100.00%	3.60%	0.0349
SCHIZACHYRIUM SCOPARIUM	63.33%	7.53%	0.0348
SOLIDAGO RIGIDA	93.33%	3.64%	0.0325
SPOROBOLUS ASPER	36.67%	12.95%	0.0259
PHLOX PILOSA	80.00%	0.50%	0.0176
SPOROBOLUS HETEROLEPIS	30.00%	8.67%	0.0173
MELILOTUS SPP	50.00%	3.27%	0.0173
TARAXACUM OFFICINALE	70.00%	1.19%	0.0173
ARTEMISIA LUDOVICIANA	33.33%	7.05%	0.0169
RATIBIDA PINNATA	73.33%	0.73%	0.0169
VIOLA PEDATIFIDA	73.33%	0.61%	0.0164
DALEA CANDIDA	53.33%	2.34%	0.0164
HELIANTHUS MAXIMILIANI	46.67%	3.29%	0.0161
ASCLEPIAS VERTICILLATA	63.33%	1.16%	0.0160
PHYSALIS VIRGINIANA	56.67%	1.50%	0.0151
SETARIA VIRIDIS	50.00%	2.47%	0.0149
ASCLEPIAS SYRIACA	56.67%	0.94%	0.0136
CAREX SPP	50.00%	1.17%	0.0124
PANICUM VIRGATUM	43.33%	2.00%	0.0121
DICHANTHELIUM OLIGOSANTHES	50.00%	0.67%	0.0113
AMORPHA CANESCENS	43.33%	1.08%	0.0107
AMBROSIA ARTEMISIIFOLIA	46.67%	0.50%	0.0103
LACTUCA SERRIOLA	33.33%	2.45%	0.0099
VICIA AMERICANA	43.33%	0.50%	0.0095
DALEA PURPUREA	40.00%	0.71%	0.0092
ASTER ERICOIDES	30.00%	2.39%	0.0090
PSORALEA ARGOPHYLLA	16.67%	7.30%	0.0086
ANEMONE CYLINDRICA	33.33%	0.50%	0.0073
BOUTELOUA CURTIPENDULA	33.33%	0.50%	0.0073
MONARDA FISTULOSA	26.67%	1.12%	0.0065
LATHYRUS VENOSUS	16.67%	4.40%	0.0062
ACHILLEA MILLEFOLIUM	26.67%	0.50%	0.0059
EQUISETUM LAEVIGATUM	26.67%	0.50%	0.0058
HELIANTHUS PAUCIFLORUS ssp. PAUCIFLORUS	13.33%	5.38%	0.0058
RUDBECKIA HIRTA	23.33%	0.50%	0.0052
ASTER NOVAE-ANGLIAE	13.33%	4.13%	0.0049
SOLIDAGO MISSOURIENSIS	16.67%	2.00%	0.0047
ANEMONE CAROLINIANA	20.00%	0.50%	0.0045
ULMUS RUBRA	20.00%	0.50%	0.0044
ZIZIA AUREA	20.00%	0.50%	0.0044
ANEMONE CANADENSIS	20.00%	0.50%	0.0043

Species	Frequency	Mean Cover	Importance Value
JUNCUS BALTICUS	17.50%	0.50%	0.0034
ACHILLEA MILLEFOLIUM	17.50%	0.50%	0.0033
DALEA CANDIDA	12.50%	3.40%	0.0033
LIATRIS PYCNOSTACHYA	15.00%	0.50%	0.0030
EUTHAMIA GYMNOSPERMOIDES	5.00%	15.00%	0.0029
HELIANTHUS NUTTALLII	5.00%	15.00%	0.0029
ASTER LANCEOLATUS ssp. LANCEOLATUS var. LANCEOLATUS	7.50%	6.17%	0.0026
ALLIUM SPP	12.50%	0.50%	0.0024
LIATRIS PUNCTATA	12.50%	0.50%	0.0024
OXALIS VIOLACEA	12.50%	0.50%	0.0024
CONVOLVULUS ARVENSIS	12.50%	0.50%	0.0024
ECHINACEA ANGUSTIFOLIA	10.00%	1.12%	0.0022
ASCLEPIAS VERTICILLATA	10.00%	0.50%	0.0020
LIATRIS ASPERA	10.00%	0.50%	0.0020
TRADESCANTIA BRACTEATA	10.00%	0.50%	0.0020
ZIZIA APTERA	10.00%	0.50%	0.0018
ELYMUS HYSTRIX var. HYSTRIX	10.00%	0.50%	0.0018
COMANDRA UMBELLATA	7.50%	1.33%	0.0016
ASTER SERICEUS	7.50%	0.50%	0.0015
GENTIANA ANDREWSII	7.50%	0.50%	0.0015
TRIFOLIUM HYBRIDUM	7.50%	1.33%	0.0015
PASCOPYRUM SMITHII	7.50%	1.33%	0.0015
GENTIANA PUBERULENTA	7.50%	0.50%	0.0015
OXALIS SPP	7.50%	0.50%	0.0014
HELIANTHUS GROSSESERRATUS	2.50%	15.00%	0.0014
FRAGARIA VIRGINIANA	5.00%	1.75%	0.0012
LACTUCA SPP	5.00%	0.50%	0.0010
THALICTRUM DASYCARPUM	5.00%	0.50%	0.0010
HELIANTHUS PETIOLARIS	5.00%	0.50%	0.0009
MUHLENBERGIA RACEMOSA	5.00%	0.50%	0.0009
ASPARAGUS OFFICINALIS	2.50%	3.00%	0.0007
RHAMNUS CATHARTICA	2.50%	3.00%	0.0007
CARDUUS NUTANS	2.50%	0.50%	0.0005
GEUM TRIFLORUM	2.50%	0.50%	0.0005
LITHOSPERMUM CANESCENS	2.50%	0.50%	0.0005
DELPHINIUM CAROLINIANUM	2.50%	0.50%	0.0005
PHLEUM PRATENSE	2.50%	0.50%	0.0005
PLATANThERA PRAECLARA	2.50%	0.50%	0.0005
STACHYS PALUSTRIS	2.50%	0.50%	0.0005
ELYMUS CANADENSIS	2.50%	0.50%	0.0005
ELYMUS ELYMOIDES	2.50%	0.50%	0.0005
VERONICASTRUM VIRGINICUM	2.50%	0.50%	0.0005
HYPOXIS HIRSUTA	2.50%	0.50%	0.0005
CALYSTEGIA SEPIUM	2.50%	0.50%	0.0005
CHENOPODIUM ALBUM	2.50%	0.50%	0.0004
VERBASCUM THAPSUS	2.50%	0.50%	0.0004
AMBROSIA ARTEMISIIFOLIA	2.50%	0.50%	0.0004

Table 3b. Plant Community Composition: Exotic Species.

Species	Frequency	Mean Cover	Importance Value
POA PRATENSIS	97.50%	21.27%	0.0722
BROMUS INERMIS	72.50%	25.62%	0.0628
TARAXACUM OFFICINALE	30.00%	0.50%	0.0058
MELILOTUS SPP	25.00%	1.25%	0.0052
CONVOLVULUS ARVENSIS	12.50%	0.50%	0.0024
TRIFOLIUM HYBRIDUM	7.50%	1.33%	0.0015
RHAMNUS CATHARTICA	2.50%	3.00%	0.0007
ASPARAGUS OFFICINALIS	2.50%	3.00%	0.0007
CARDUUS NUTANS	2.50%	0.50%	0.0005
STACHYS PALUSTRIS	2.50%	0.50%	0.0005
PHLEUM PRATENSE	2.50%	0.50%	0.0005
VERBASCUM THAPSUS	2.50%	0.50%	0.0004

1999 Vegetation Summary: Restored Tallgrass Prairie, Pipestone National Monument

Table 1a. Plant Community Composition: Species Richness and Shannon Diversity.

All Species:

Species Richness:	81	Total Shannon Evenness:	0.67
Total Shannon Diversity:	2.94	Mean Evenness (st dev):	0.64 (0.06)
Mean Diversity (st dev):	2.53 (0.22)		

Native Species Only:

Native Species Richness:	69	Total Shannon Evenness:	0.64
Total Shannon Diversity:	2.70	Mean Evenness (st dev):	0.60 (0.06)
Mean Diversity (st dev):	2.26 (0.18)		

Table 1b. Plant Community Summary: Relative Frequency and Cover of Exotic Species.

Number of Exotic Species: **12**

Number of Native Species: **69**

Exotic Ratio: **0.148**

	<u>Mean Relative Frequency</u>	<u>Mean Relative Cover</u>
Exotic	17.65%	20.64%
Native	82.35%	79.36%

Table 2a. Plant Community Structure: Ground Cover.

<u>Structural Component</u>	<u>Mean Percent Cover</u>
Bare Soil	37.00%
Bare Rock	0.03%
Grass Litter	33.17%
Unvegetated Surface	40.00%

Table 2b. Plant Community Structure: Vegetation Type Cover.

<u>Vegetation Type</u>	<u>Mean Percent Cover</u>
Ferns and Fern Allies	0.13%
Grasses/Grass-Like	72.65%
Herbs	36.13%
Shrubs	6.47%
Trees	0.12%

Table 3a. Plant Community Composition: Herbaceous and Shrub Species.

Species	Frequency	Mean Cover	Importance Value
ANDROPOGON GERARDII	100.00%	26.13%	0.1351
POA PRATENSIS	100.00%	14.45%	0.0808
SORGHASTRUM NUTANS	70.00%	17.33%	0.0704
ASTER LAEVIS	83.33%	9.90%	0.0518
SOLIDAGO CANADENSIS var. GILVOCANESCENS	90.00%	7.70%	0.0458
BROMUS INERMIS	96.67%	4.71%	0.0383

TRAGOPOGON DUBIUS

3.33%

0.50%

0.0007

1999 Vegetation Summary: Sioux Quartzite Prairie, Pipestone National Monument

Table 1a. Plant Community Composition: Species Richness and Shannon Diversity.

All Species:

Species Richness:	99	Total Shannon Evenness:	0.69
Total Shannon Diversity:	3.18	Mean Evenness (st dev):	0.71 (0.02)
Mean Diversity (st dev):	2.96 (0.11)		

Native Species Only:

Native Species Richness:	85	Total Shannon Evenness:	0.73
Total Shannon Diversity:	3.26	Mean Evenness (st dev):	0.74 (0.01)
Mean Diversity (st dev):	3.00 (0.05)		

Table 1b. Plant Community Summary: Relative Frequency and Cover of Exotic Species.

Number of Exotic Species: 12

Number of Native Species: 85

Exotic Ratio: 0.124

	<u>Mean Relative Frequency</u>	<u>Mean Relative Cover</u>
Exotic	7.30%	24.37%
Native	92.70%	75.62%

Table 2a. Plant Community Structure: Ground Cover.

<u>Structural Component</u>	<u>Mean Percent Cover</u>
Bare Soil	10.80%
Bare Rock	53.50%
Grass Litter	30.93%
Woody Debris	0.15%
Leaf Litter	0.47%
Unvegetated Surface	63.13%

Table 2b. Plant Community Structure: Vegetation Type Cover.

<u>Vegetation Type</u>	<u>Mean Percent Cover</u>
Ferns and Fern Allies	0.05%
Grasses/Grass-Like	54.93%
Herbs	25.13%
Shrubs	7.40%
Trees	2.65%
Woody Vines	0.05%

Table 3a. Plant Community Composition: Herbaceous and Shrub Species.

Species	Frequency	Mean Cover	Importance Value
POA PRATENSIS	100.00%	18.68%	0.1164
SCHIZACHYRIUM SCOPARIUM	90.00%	11.83%	0.0776

AMBROSIA PSILOSTACHYA	100.00%	9.60%	0.0692
CAREX SPP	75.00%	6.87%	0.0400
KOELERIA MACRANTHA	80.00%	6.22%	0.0387
HEDEOMA HISPIDUM	95.00%	2.68%	0.0300
ANDROPOGON GERARDII	75.00%	3.27%	0.0271
DICHANTHELIUM OLIGOSANTHES	60.00%	4.17%	0.0250
ERIGERON STRIGOSUS	75.00%	2.97%	0.0250
OXALIS SPP	100.00%	1.12%	0.0231
AMORPHA CANESCENS	45.00%	4.83%	0.0204
SPOROBOLUS VAGINIFLORUS	50.00%	4.20%	0.0202
BOUTELOUA GRACILIS	85.00%	1.24%	0.0200
PRUNUS PUMILA	20.00%	14.00%	0.0199
SILENE ANTIRRHINA	100.00%	0.50%	0.0194
ALLIUM STELLATUM	95.00%	0.50%	0.0184
OPUNTIA FRAGILIS	85.00%	1.09%	0.0183
CERASTIUM ARVENSE	90.00%	0.64%	0.0180
LEPIDIUM DENSIFLORUM	90.00%	0.50%	0.0173
POTENTILLA ARGUTA	75.00%	1.17%	0.0173
BROMUS INERMIS	30.00%	6.17%	0.0161
EUPHORBIA SPATHULATA	80.00%	0.50%	0.0155
TRADESCANTIA BRACTEATA	75.00%	0.50%	0.0144
HEUCHERA RICHARDSONII	70.00%	0.68%	0.0142
TALINUM PARVIFLORUM	70.00%	0.50%	0.0133
BOUTELOUA CURTIPENDULA	25.00%	6.30%	0.0132
ASTER OBLONGIFOLIUS	35.00%	3.64%	0.0131
AGROSTIS SCABRA	55.00%	0.50%	0.0104
CONYZA CANADENSIS	50.00%	0.50%	0.0100
MUHLENBERGIA CUSPIDATA	45.00%	0.78%	0.0095
RHAMNUS CATHARTICA	5.00%	37.50%	0.0094
SPOROBOLUS HETEROLEPIS	30.00%	1.33%	0.0072
ARTEMISIA CAMPESTRIS ssp. CAUDATA	40.00%	0.81%	0.0081
DICHANTHELIUM PRAECOCIUS	30.00%	1.75%	0.0079
OXALIS VIOLACEA	40.00%	0.50%	0.0077
PLANTAGO PATAGONICA	35.00%	0.50%	0.0070
STIPA COMATA	30.00%	0.50%	0.0060
ELYMUS HYSTRIX var. HYSTRIX	30.00%	0.92%	0.0064
SOLIDAGO MISSOURIENSIS	15.00%	5.33%	0.0062
JUNCUS INTERIOR	30.00%	0.50%	0.0057

Species	Frequency	Mean Cover	Importance Value
SCHEDONNARDUS PANICULATUS	30.00%	0.50%	0.0057
SETARIA VIRIDIS	30.00%	0.50%	0.0057
SOLIDAGO NEMORALIS	30.00%	0.50%	0.0057
COLLOMIA LINEARIS	25.00%	1.00%	0.0056
PRUNUS AMERICANA	10.00%	7.75%	0.0054
CAREX INOPS ssp. HELIOPHILA	10.00%	7.75%	0.0054
POLYGONUM RAMOSISSIMUM	25.00%	0.50%	0.0048
LINUM SULCATUM	25.00%	0.50%	0.0048
OENOTHERA VILLOSA	25.00%	0.50%	0.0048
ARTEMISIA FRIGIDA	20.00%	1.12%	0.0046
SYMPHORICARPOS OCCIDENTALIS	5.00%	15.00%	0.0043
CYPERUS SQUARROSUS	20.00%	0.50%	0.0038
ARABIS HIRSUTA	20.00%	0.50%	0.0038
HELIANTHUS PAUCIFLORUS ssp. PAUCIFLORUS	15.00%	1.33%	0.0036
PASCOPYRUM SMITHII	20.00%	0.50%	0.0036
RHUS GLABRA	10.00%	3.00%	0.0033
ANDROSACE OCCIDENTALIS	15.00%	0.50%	0.0031
BUCHLOE DACTYLOIDES	15.00%	0.50%	0.0029
PORTULACA OLERACEA	15.00%	0.50%	0.0027
BROMUS JAPONICUS	15.00%	0.50%	0.0027
SPARTINA PECTINATA	10.00%	1.75%	0.0027
PARTHENOCISSUS VITACEA	10.00%	0.50%	0.0021
CYSTOPTERIS FRAGILIS	10.00%	0.50%	0.0021
DELPHINIUM CAROLINIANUM	10.00%	0.50%	0.0020
ASTER ERICOIDES	10.00%	0.50%	0.0020
TARAXACUM OFFICINALE	10.00%	0.50%	0.0020
LACTUCA SPP	10.00%	0.50%	0.0019
PHYSALIS VIRGINIANA	10.00%	0.50%	0.0019
DICHANTHELIUM LINEARIFOLIUM	10.00%	0.50%	0.0019
ROSA ARKANSANA	10.00%	0.50%	0.0019
LOTUS UNIFOLIOLATUS var. UNIFOLIOLATUS	10.00%	0.50%	0.0019
POTENTILLA PENNSYLVANICA	5.00%	3.00%	0.0017
AMORPHA FRUTICOSA	5.00%	3.00%	0.0016
ZANTHOXYLUM AMERICANUM	5.00%	0.50%	0.0010
PANICUM VIRGATUM	5.00%	0.50%	0.0010
RUMEX SPP	5.00%	0.50%	0.0010
CONVOLVULUS ARVENSIS	5.00%	0.50%	0.0010
GERANIUM CAROLINIANUM	5.00%	0.50%	0.0010
CHENOPODIUM SPP	5.00%	0.50%	0.0010
PANICUM CAPILLARE	5.00%	0.50%	0.0010
LAPPULA OCCIDENTALIS var. OCCIDENTALIS	5.00%	0.50%	0.0010

Species	Frequency	Mean Cover	Importance Value
SPOROBOLUS ASPER	5.00%	0.50%	0.0010
MIRABILIS NYCTAGINEA	5.00%	0.50%	0.0010
HORDEUM PUSILLUM	5.00%	0.50%	0.0009
HELIANTHUS MAXIMILIANI	5.00%	0.50%	0.0009
GALIUM APARINE	5.00%	0.50%	0.0009
ASCLEPIAS SYRIACA	5.00%	0.50%	0.0009
VIOLA PEDATIFIDA	5.00%	0.50%	0.0009
ELEOCHARIS OBTUSA	5.00%	0.50%	0.0009
TRAGOPOGON DUBIUS	5.00%	0.50%	0.0009
SORGHASTRUM NUTANS	5.00%	0.50%	0.0009
STIPA SPARTEA	5.00%	0.50%	0.0009
ASCLEPIAS VERTICILLATA	5.00%	0.50%	0.0009
ASPARAGUS OFFICINALIS	5.00%	0.50%	0.0009
MELILOTUS SPP	5.00%	0.50%	0.0009
MEDICAGO LUPULINA	5.00%	0.50%	0.0009
GEUM TRIFLORUM	5.00%	0.50%	0.0009
ERYSIMUM CHEIRANTHOIDES	5.00%	0.50%	0.0009
ASTER SERICEUS	5.00%	0.50%	0.0009

Table 3b. Plant Community Composition: Exotic Species.

Species	Frequency	Mean Cover	Importance Value
POA PRATENSIS	100.00%	18.68%	0.1164
BROMUS INERMIS	30.00%	6.17%	0.0161
RHAMNUS CATHARTICA	5.00%	37.50%	0.0094
SETARIA VIRIDIS	30.00%	0.50%	0.0057
BROMUS JAPONICUS	15.00%	0.50%	0.0027
TARAXACUM OFFICINALE	10.00%	0.50%	0.0020
CONVOLVULUS ARVENSIS	5.00%	0.50%	0.0010
ASPARAGUS OFFICINALIS	5.00%	0.50%	0.0009
MELILOTUS SPP	5.00%	0.50%	0.0009
MEDICAGO LUPULINA	5.00%	0.50%	0.0009
ERYSIMUM CHEIRANTHOIDES	5.00%	0.50%	0.0009
TRAGOPOGON DUBIUS	5.00%	0.50%	0.0009

Appendix C. Lists of plant species collected in the Prairie Cluster parks.

Species	Authority	Common name	Genus	Family
ABIES BALSAMEA	(L.) P. Mill.	Balsam fir	Abies	Pinaceae
ABIES CONCOLOR	(Gord. & Gle	White fir	Abies	Pinaceae
ABRONIA FRAGRANS	Nutt. ex Hoo	Sweet sand verbena	Abronia	Nyctaginaceae
ABUTILON THEOPHRASTI	Medik.	Velvet-leaf	Abutilon	Malvaceae
ACALYPHA GRACILENS var. MONOCOCCA	Engelm. ex	Ozarkian short-stalk coppe	Acalypha	Euphorbiaceae
ACALYPHA OSTRYIFOLIA	Riddell	Rough-pod copperleaf	Acalypha	Euphorbiaceae
ACALYPHA VIRGINICA	L.	Virginia copperleaf	Acalypha	Euphorbiaceae
ACALYPHA VIRGINICA var. RHOMBOIDEA	(Raf.) Coope	Rhombic copperleaf	Acalypha	Euphorbiaceae
ACER GINNALA	Maxlm.	Sycamore-Maple, False pl	Acer	Aceraceae
ACER NEGUNDO	L.	Boxelder maple	Acer	Aceraceae
ACER NEGUNDO var. INTERIUS	(Britt.) Sarg.	Boxelder, Ash-leaved mapl	Acer	Aceraceae
ACER NIGRUM	Michx. f.	Black maple	Acer	Aceraceae
ACER PENSYLVANICUM	L.	Moosewood maple	Acer	Aceraceae
ACER PLATANOIDES	L.	Norway maple	Acer	Aceraceae
ACER RUBRUM	L.	Red maple	Acer	Aceraceae
ACER SACCHARINUM	L.	Silver maple	Acer	Aceraceae
ACER SACCHARUM	Marsh.	Sugar maple	Acer	Aceraceae
ACER SPICATUM	Lam.	Mt. maple	Acer	Aceraceae
ACHILLEA MILLEFOLIUM	L.	Common yarrow	Achillea	Asteraceae
ACHILLEA MILLEFOLIUM var. OCCIDENTAL	DC.	Common yarrow	Achillea	Asteraceae
ACHILLEA PTARMICA	L.	Sneezeweed yarrow	Achillea	Asteraceae
ACINOS ARVENSIS	(Lam.) Dand	Mother-of-thyme	Acinos	Lamiaceae
ACONITUM NAPELLUS	L.	Garden aconite monkshoo	Aconitum	Ranunculaceae
ACORUS CALAMUS	L.	Sweet flag	Acorus	Acoraceae
ACTAEA PACHYPODA	Ell.	Doll's eyes baneberry	Actaea	Ranunculaceae
ACTAEA RUBRA	(Ait.) Willd.	Wild baneberry	Actaea	Ranunculaceae
ADENOCAULON BICOLOR	Hook.	Trail-plant	Adenocaulon	Asteraceae
ADIANTUM CAPILLUS-VENERIS	L.	Venus'-hair fern	Adiantum	Adiantaceae
ADIANTUM PEDATUM	L.	Maidenhair-fern	Adiantum	Adiantaceae
AEGILOPS CYLINDRICA	Host	Jointed goat-grass	Aegilops	Poaceae
AEGOPODIUM PODAGRARIA	L.	Goutweed	Aegopodium	Apiaceae
AESCULUS GLABRA	Willd.	Ohio buckeye	Aesculus	Hippocastanaceae
AESCULUS HIPPOCASTANUM	L.	Horse-chestnut buckeye	Aesculus	Hippocastanaceae
AGALINIS ASPERA	(Dougl. ex B	Tall false foxglove	Agalinis	Scrophulariaceae
AGALINIS AURICULATA	(Michx.) Bla	Agalinis	Agalinis	Scrophulariaceae
AGALINIS FASCICULATA	(Ell.) Raf.	Fascicled agalinis	Agalinis	Scrophulariaceae
AGALINIS PAUPERCULA	(Gray) Britt.	Agalinis	Agalinis	Scrophulariaceae
AGALINIS PURPUREA	(L.) Pennell	Smooth agalinis	Agalinis	Scrophulariaceae
AGALINIS TENUIFOLIA	(Vahl) Raf.	Common agalinis	Agalinis	Scrophulariaceae
AGASTACHE FOENICULUM	(Pursh) Kunt	Lavender giant hyssop	Agastache	Lamiaceae
AGASTACHE NEPETOIDES	(L.) Kuntze	Catnip giant hyssop	Agastache	Lamiaceae
AGASTACHE SCROPHULARIIFOLIA	(Willd.) Kunt	Purple giant hyssop	Agastache	Lamiaceae
AGERATINA ALTISSIMA	(L.) King & H	Tall ageratina	Ageratina	Asteraceae
AGRIMONIA GRYPOSEPALA	Wallr.	Common agrimony, harve	Agrimonia	Rosaceae
AGRIMONIA PARVIFLORA	Ait.	Southern agrimony, harve	Agrimonia	Rosaceae
AGRIMONIA PUBESCENS	Wallr.	Downy agrimony, harvest li	Agrimonia	Rosaceae
AGRIMONIA ROSTELLATA	Wallr.	Woodland agrimony, harve	Agrimonia	Rosaceae
AGRIMONIA STRIATA	Michx.	Roadside agrimony, harve	Agrimonia	Rosaceae
AGROPYRON CRISTATUM	(L.) Gaertn.	Crested wheatgrass	Agropyron	Poaceae
AGROPYRON DESERTORUM	(Fisch. ex Li	Crested wheatgrass	Agropyron	Poaceae
AGROPYRON SPP				
AGROSTEMMA GITHAGO	L.	Corn-cockle	Agrostemma	Caryophyllaceae
AGROSTIS ELLIOTTIANA	J. A. Schulte	Tufted annual bent-grass	Agrostis	Poaceae
AGROSTIS GIGANTEA	Roth	Redtop bent-grass	Agrostis	Poaceae
AGROSTIS HYEMALIS	(Walt.) B.S.	Ticklegrass	Agrostis	Poaceae
AGROSTIS PERENNANS	(Walt.) Tuck	Autumn tufted perennial b	Agrostis	Poaceae
AGROSTIS SCABRA	Willd.	Hairgrass, Fly-away grass,	Agrostis	Poaceae
AGROSTIS STOLONIFERA	L.	Creeping bent-grass	Agrostis	Poaceae
AILANTHUS ALTISSIMA	(P. Mill.) Swi	Tree of heaven	Ailanthus	Simaroubaceae
AJUGA REPTANS	L.	Carpet bugle	Ajuga	Lamiaceae
ALBIZIA JULIBRISSIN	Durz.	Mimosa, silk-tree	Albizia	Fabaceae
ALCEA ROSEA	L.	Hollyhock	Alcea	Malvaceae
ALETIS FARINOSA	L.	Colic-root	Aletis	Liliaceae
ALISMA SUBCORDATUM	Raf.	Southern water plantain	Alisma	Alismataceae
ALISMA TRIVIALE	Pursh	Northern water plantain	Alisma	Alismataceae
ALLIARIA PETIOLATA	(Bieb.) Cava	Garlic-mustard	Alliaria	Brassicaceae
ALLIUM BURDICKII	(Hanes) A.	Onion	Allium	Liliaceae
ALLIUM CANADENSE	L.	Onion	Allium	Liliaceae
ALLIUM CANADENSE var. MOBILENSE	(Regel) Own	Onion	Allium	Liliaceae
ALLIUM CEPA	L.	Onion	Allium	Liliaceae
ALLIUM CERNUUM	Roth	Nodding onion	Allium	Liliaceae
ALLIUM DRUMMONDII	Regel	Onion	Allium	Liliaceae
ALLIUM FISTULOSUM	L.	Onion	Allium	Liliaceae

ALLIUM PERDULCE	S. V. Fraser	Onion	Allium	Liliaceae
ALLIUM SATIVUM	L.	Garlic	Allium	Liliaceae
ALLIUM SCHOENOPRASUM	L.	Chives	Allium	Liliaceae
ALLIUM SPP				
ALLIUM STELLATUM	Nutt. ex Ker-	Onion	Allium	Liliaceae
ALLIUM TEXTILE	A. Nels. & J.	Onion	Allium	Liliaceae
ALLIUM TRICOCCUM	Alt.	Wild leek	Allium	Liliaceae
ALLIUM VINEALE	L.	Field-garlic, scallions	Allium	Liliaceae
ALNUS GLUTINOSA	(L.) Gaertn.	Black alder	Alnus	Betulaceae
ALNUS INCANA	(L.) Moench	Speckled alder	Alnus	Betulaceae
ALNUS INCANA ssp. RUGOSA	(Du Roi) Cla	Speckled alder	Alnus	Betulaceae
ALNUS SERRULATA	(Alt.) Willd.	Smooth alder	Alnus	Betulaceae
ALNUS VIRIDIS ssp. CRISPA	(Alt.) Turill	Green or mt. alder	Alnus	Betulaceae
ALOPECURUS AEQUALIS	Sobol.	Short-awn foxtail	Alopecurus	Poaceae
ALOPECURUS ARUNDINACEUS	Poir.	Meadow Foxtail	Alopecurus	Poaceae
ALOPECURUS CAROLINIANUS	Walt.	Carolina foxtail	Alopecurus	Poaceae
ALOPECURUS GENICULATUS	L.	Water foxtail	Alopecurus	Poaceae
ALOPECURUS PRATENSIS	L.	Meadow foxtail	Alopecurus	Poaceae
ALYSSUM ALYSSOIDES	(L.) L.	Annual pet yellow	Alyssum	Brassicaceae
ALYSSUM DESERTORUM	Stapf	Alyssum	Alyssum	Brassicaceae
AMARANTHUS ALBUS	L.	Tumbleweed	Amaranthus	Amaranthaceae
AMARANTHUS BLITOIDES	S. Wats.	Monoecious amaranth	Amaranthus	Amaranthaceae
AMARANTHUS HYBRIDUS	L.	Smooth pigweed	Amaranthus	Amaranthaceae
AMARANTHUS PALMERI	S. Wats.	Careless weed	Amaranthus	Amaranthaceae
AMARANTHUS POWELLII	S. Wats.	Monoecious amaranth	Amaranthus	Amaranthaceae
AMARANTHUS RETROFLEXUS	L.	Redroot, rough pigweed	Amaranthus	Amaranthaceae
AMARANTHUS RUDIS	Sauer	Dioecious amaranth	Amaranthus	Amaranthaceae
AMARANTHUS SPINOSUS	L.	Spiny amaranth	Amaranthus	Amaranthaceae
AMARANTHUS TUBERCULATUS	(Moq.) Saue	Dioecious amaranth	Amaranthus	Amaranthaceae
AMBROSIA ACANTHICARPA	Hook.	Annual bursage ragweed	Ambrosia	Asteraceae
AMBROSIA ARTEMISIIFOLIA	L.	Common ragweed	Ambrosia	Asteraceae
AMBROSIA ARTEMISIIFOLIA var. ELATIOR	(L.) Descour	Common ragweed	Ambrosia	Asteraceae
AMBROSIA BIDENTATA	Michx.	Lancef ragweed	Ambrosia	Asteraceae
AMBROSIA CORONOPIFOLIA	Torr. & Gray	Western ragweed	Ambrosia	Asteraceae
AMBROSIA CUMANENSIS	Kunth	Ragweed	Ambrosia	Asteraceae
AMBROSIA GRAYI	(A. Nels.) Sh	Shinners, bur ragweed	Ambrosia	Asteraceae
AMBROSIA PSILOSTACHYA	DC.	Western ragweed	Ambrosia	Asteraceae
AMBROSIA TRIFIDA	L.	Giant ragweed	Ambrosia	Asteraceae
AMELANCHIER ARBOREA	(Michx. f.) F	Downy serviceberry	Amelanchier	Rosaceae
AMELANCHIER BARTRAMIANA	(Tausch) M.	Mountain serviceberry	Amelanchier	Rosaceae
AMELANCHIER CANADENSIS	(L.) Medik.	Shadbush, eastern service	Amelanchier	Rosaceae
AMELANCHIER HUMILIS	Wieg.	Low serviceberry	Amelanchier	Rosaceae
AMELANCHIER INTERIOR	Nielsen	Serviceberry, shadbush, ju	Amelanchier	Rosaceae
AMELANCHIER LAEVIS	Wieg.	Smooth serviceberry	Amelanchier	Rosaceae
AMELANCHIER SANGUINEA	(Pursh) DC.	New England serviceberry	Amelanchier	Rosaceae
AMELANCHIER STOLONIFERA	Wieg.	Dwarf serviceberry	Amelanchier	Rosaceae
AMERORCHIS ROTUNDIFOLIA	(Banks ex P	One-leaf-orchis	Amerorchis	Orchidaceae
AMMANNIA AURICULATA	Willd.	Redstem	Ammannia	Lythraceae
AMMANNIA COCCINEA	Rottb.	Tooth-cup	Ammannia	Lythraceae
AMMOPHILA BREVILIGULATA	Fern.	Beach-grass	Ammophila	Poaceae
AMORPHA CANESCENS	Pursh	Lead-plant	Amorpha	Fabaceae
AMORPHA FRUTICOSA	L.	False indigo	Amorpha	Fabaceae
AMPELOPSIS CORDATA	Michx.	Raccoon-grape	Ampelopsis	Vitaceae
AMPHIACHYRIS DRACUNCULOIDES	(DC.) Nutt.	Broomweed	Amphiachyris	Asteraceae
AMPHICARPAEA BRACTEATA	(L.) Fern.	Hog-peanut	Amphicarpaea	Fabaceae
AMSONIA ILLUSTRIS	Woods.	Ozark bluestar	Amsonia	Apocynaceae
AMSONIA TABERNAEMONTANA	Walt.	Common bluestar	Amsonia	Apocynaceae
ANAGALLIS MINIMA	(L.) Krause	Pimpernel	Anagallis	Primulaceae
ANAPHALIS MARGARITACEA	(L.) Benth. &	Pearly everlasting	Anaphalis	Asteraceae
ANDRACHNE PHYLLANTHOIDES	(Nutt.) Coult.	Spurge	Andrachne	Euphorbiaceae
ANDROMEDA POLIFOLIA var. GLAUCOPHY	(Link) DC.	Bog-rosemary	Andromeda	Ericaceae
ANDROPOGON GERARDII	Vitman	Big bluestem	Andropogon	Poaceae
ANDROPOGON HALLII	Hack.	Sand bluestem	Andropogon	Poaceae
ANDROPOGON VIRGINICUS	L.	Broom-sedge	Andropogon	Poaceae
ANDROSACE OCCIDENTALIS	Pursh	Western androsace	Androsace	Primulaceae
ANEMONE CANADENSIS	L.	Canadian anemone	Anemone	Ranunculaceae
ANEMONE CAROLINIANA	Walt.	Prairie anemone	Anemone	Ranunculaceae
ANEMONE CYLINDRICA	Gray	Long-headed anemone	Anemone	Ranunculaceae
ANEMONE MULTIFIDA	Poir.	Cut-leaved anemone	Anemone	Ranunculaceae
ANEMONE QUINQUEFOLIA	L.	Wood anemone	Anemone	Ranunculaceae
ANEMONE SPP				
ANEMONE VIRGINIANA	L.	Tall anemone, thimbleweed	Anemone	Ranunculaceae
ANEMONE VIRGINIANA var. RIPARIA	(Fern.) Boivi	Tall anemone, thimbleweed	Anemone	Ranunculaceae

ANETHUM GRAVEOLENS	L.	Dill	Anethum	Apiaceae
ANGELICA ATROPURPUREA	L.	Purplestem angelica	Angelica	Apiaceae
ANGELICA VENENOSA	(Greenway)	Fern	Angelica	Apiaceae
ANTENNARIA HOWELLII ssp. CANADENSIS	(Greene) Ba	Canadian everlasting, Lady	Antennaria	Asteraceae
ANTENNARIA HOWELLII ssp. NEODIOICA	(Greene) Ba	Everlasting, Ladies' Tobac	Antennaria	Asteraceae
ANTENNARIA HOWELLII ssp. PETALOIDEA	Greene	Everlasting, Ladies' Tobac	Antennaria	Asteraceae
ANTENNARIA MICROPHYLLA	Rydb.	Pink pussy-toes	Antennaria	Asteraceae
ANTENNARIA NEGLECTA	Greene	Field pussytoes	Antennaria	Asteraceae
ANTENNARIA PARLINI	Fern	Parlin's pusseytoes	Antennaria	Asteraceae
ANTENNARIA PARLINII ssp. FALLAX	(Greene) Ba	Plantain pussytoes	Antennaria	Asteraceae
ANTENNARIA PARVIFOLIA	Nutt.	Plains pussytoes	Antennaria	Asteraceae
ANTENNARIA PLANTAGINIFOLIA	(L.) Richards	Plantain pussytoes	Antennaria	Asteraceae
ANTENNARIA ROSEA	Greene	Pink pussytoes	Antennaria	Asteraceae
ANTHEMIS COTULA	L.	Dogfennel	Anthemis	Asteraceae
ANTHOXANTHUM ODORATUM	L.	Tufted sweet vernal grass	Anthoxanthum	Poaceae
ANTHRISCUS CAUCALIS	Bieb.	Bur-chervil	Anthriscus	Apiaceae
APIOS AMERICANA	Medik.	Common ground-nut	Apios	Fabaceae
APLECTRUM HYEMALE	(Muhl. ex Wi	Adam and Eve	Aplectrum	Orchidaceae
APOCYNUM ANDROSAEMIFOLIUM	L.	Spreading dogbane	Apocynum	Apocynaceae
APOCYNUM CANNABINUM	L.	Hemp dogbane	Apocynum	Apocynaceae
AQUILEGIA CANADENSIS	L.	Canada columbine	Aquilegia	Ranunculaceae
AQUILEGIA VULGARIS	L.	European columbine	Aquilegia	Ranunculaceae
ARABIDOPSIS THALIANA	(L.) Heynh.	Mouse-ear cress	Arabidopsis	Brassicaceae
ARABIS CANADENSIS	L.	Sickle-pod	Arabis	Brassicaceae
ARABIS DIVARICARPA	A. Nels. (pro	Rock-cress	Arabis	Brassicaceae
ARABIS DRUMMONDII	Gray	Rock-cress	Arabis	Brassicaceae
ARABIS GLABRA	(L.) Bernh.	Tower-mustard	Arabis	Brassicaceae
ARABIS HIRSUTA	(L.) Scop.	Rock-cress	Arabis	Brassicaceae
ARABIS HIRSUTA var. ADPRESSIPILIS	(M. Hopkins)	Rock-cress	Arabis	Brassicaceae
ARABIS HIRSUTA var. PYCNOCARPA	(M. Hopkins)	Rock-cress	Arabis	Brassicaceae
ARABIS HOLBOELLII	Hornem.	Rock-cress	Arabis	Brassicaceae
ARABIS HOLBOELLII var. PINETORUM	(Tidestrom)	Rock-cress	Arabis	Brassicaceae
ARABIS LAEVIGATA	(Muhl. ex Wi	Rock-cress	Arabis	Brassicaceae
ARABIS LYRATA	L.	Rock-cress	Arabis	Brassicaceae
ARABIS MISSOURIENSIS	Greene	Missouri rock-cress	Arabis	Brassicaceae
ARABIS PERSTELLATA	E.L. Braun	Rock-cress	Arabis	Brassicaceae
ARALIA HISPIDA	Vent.	Bristly sarsaparilla	Aralia	Araliaceae
ARALIA NUDICAULIS	L.	Wild sarsaparilla	Aralia	Araliaceae
ARALIA RACEMOSA	L.	Spikenard	Aralia	Araliaceae
ARALIA SPINOSA	L.	Hercules' club	Aralia	Araliaceae
ARCEUTHOBIMUM PUSILLUM	Peck	Eastern dwarf mistletoe	Arceuthobium	Viscaceae
ARCTIUM MINUS	Bernh.	Common burdock	Arctium	Asteraceae
ARCTOSTAPHYLOS UVA-URSI	(L.) Spreng.	Bearberry	Arctostaphylos	Ericaceae
ARENARIA HOOKERI	Nutt.	Sandwort	Arenaria	Caryophyllaceae
ARENARIA SERPYLLIFOLIA	L.	Thyme leaf sandwort	Arenaria	Caryophyllaceae
ARETHUSA BULBOSA	L.	Dragon's mouth	Arethusa	Orchidaceae
ARGEMONE POLYANTHEMOS	(Fedde) G.B	Prickly poppy	Argemone	Papaveraceae
ARGENTINA ANSERINA	(L.) Rydb.	Silverweed	Argentina	Rosaceae
ARIS SPP				
ARISAEMA DRACONTIUM	(L.) Schott	Green dragon, dragon-root	Arisaema	Araceae
ARISAEMA TRIPHYLLUM	(L.) Schott	Jack-in-the-pulpit	Arisaema	Araceae
ARISAEMA TRIPHYLLUM ssp. TRIPHYLLUM	(L.) Schott	Jack-in-the-pulpit	Arisaema	Araceae
ARISTIDA BASIRAMEA	Engelm. ex	Forktip three-awn	Aristida	Poaceae
ARISTIDA DICHOTOMA	Michx.	Churchmouse three-awn	Aristida	Poaceae
ARISTIDA DICHOTOMA var. CURTISSII	Gray ex S.	Churchmouse three-awn	Aristida	Poaceae
ARISTIDA LONGESPICA var. GENICULATA	(Raf.) Fern.	Slimspike three-awn	Aristida	Poaceae
ARISTIDA OLIGANTHA	Michx.	Prairie three-awn	Aristida	Poaceae
ARISTIDA PURPURASCENS	Poir.	Arrowfeather three-awn	Aristida	Poaceae
ARISTIDA PURPUREA var. LONGISETA	(Steud.) Vas	Purple three-awn	Aristida	Poaceae
ARISTIDA PURPUREA var. NEALLEYI	(Vasey) Allre	Purple three-awn	Aristida	Poaceae
ARISTIDA RAMOSISSIMA	Engelm. ex	Three-awn	Aristida	Poaceae
ARISTIDA TUBERCULOSA	Nutt.	Three-awn	Aristida	Poaceae
ARISTOLOCHIA SERPENTARIA	L.	Snakeroot	Aristolochia	Aristolochiaceae
ARISTOLOCHIA TOMENTOSA	Sims	Pipe-vine	Aristolochia	Aristolochiaceae
ARMORACIA RUSTICANA	P.G. Gaertn.	Horse-radish	Armoracia	Brassicaceae
ARONIA MELANOCARPA	(Michx.) Ell.	Black chokeberry	Aronia	Rosaceae
ARONIA PRUNIFOLIA	(Marsh.) Re	Chokeberry	Aronia	Rosaceae
ARRHENATHERUM ELATIUS	(L.) J. & K. P	Tall oatgrass	Arrhenatherum	Poaceae
ARTEMISIA ABSINTHIUM	L.	Common wormwood, sage	Artemisia	Asteraceae
ARTEMISIA ANNUA	L.	Annual wormwood, sage,	Artemisia	Asteraceae
ARTEMISIA BIENNIS	Willd.	Biennial wormwood, sage,	Artemisia	Asteraceae
ARTEMISIA CAMPESTRIS	L.	Wormwood, sage, mugwor	Artemisia	Asteraceae
ARTEMISIA CAMPESTRIS ssp. BOREALIS v	(Pallas) M.E.	Wormwood, sage, mugwor	Artemisia	Asteraceae
ARTEMISIA CAMPESTRIS ssp. CAUDATA	(Michx.) Hall	Wormwood, sage, mugwor	Artemisia	Asteraceae

ARTEMISIA CAMPESTRIS var. SCUOLERIA	Cronq.	Perennial green sage	Artemisia	Asteraceae
ARTEMISIA CANA	Pursh	Dwarf sagebrush	Artemisia	Asteraceae
ARTEMISIA DRACUNCULUS	L.	Wormwood, sage, mugwort	Artemisia	Asteraceae
ARTEMISIA DRACUNCULUS ssp. DRACUNCULUS	L.	Wormwood, sage, mugwort	Artemisia	Asteraceae
ARTEMISIA FILIFOLIA	Torr.	Wormwood, sage, mugwort	Artemisia	Asteraceae
ARTEMISIA FRIGIDA	Willd.	Prairie-sagewort	Artemisia	Asteraceae
ARTEMISIA LUDOVICIANA	Nutt.	White sage	Artemisia	Asteraceae
ARTEMISIA LUDOVICIANA ssp. LUDOVICIANA	Nutt.	White-sage	Artemisia	Asteraceae
ARTEMISIA LUDOVICIANA var. MEXICANA	Nutt.		Artemisia	Asteraceae
ARTEMISIA SERRATA	Nutt.	Toothed sage	Artemisia	Asteraceae
ARTEMISIA SPP				
ARTEMISIA VULGARIS	L.	Mugwort	Artemisia	Asteraceae
ARUNCUS DIOICUS var. PUBESCENS	(Rydb.) Fern	Goat's beard	Aruncus	Rosaceae
ARUNDINARIA GIGANTEA	(Walt.) Walt.	Giant cane	Arundinaria	Poaceae
ASARUM CANADENSE	L.	Wild ginger	Asarum	Aristolochiaceae
ASCLEPIAS AMPLEXICAULIS	Sm.	Clasping milkweed	Asclepias	Asclepiadaceae
ASCLEPIAS ASPERULA ssp. CAPRICORNUTA	(Woods.) W	Milkweed	Asclepias	Asclepiadaceae
ASCLEPIAS ENGELMANNIANA	Woods.	Milkweed	Asclepias	Asclepiadaceae
ASCLEPIAS EXALTATA	L.	Tall milkweed	Asclepias	Asclepiadaceae
ASCLEPIAS HIRTELLA	(Pennell) W	Prairie milkweed	Asclepias	Asclepiadaceae
ASCLEPIAS INCARNATA	L.	Swamp milkweed	Asclepias	Asclepiadaceae
ASCLEPIAS LATIFOLIA	(Torr.) Raf.	Milkweed	Asclepias	Asclepiadaceae
ASCLEPIAS OVALIFOLIA	Dcne.	Dwarf milkweed	Asclepias	Asclepiadaceae
ASCLEPIAS PUMILA	(Gray) Vail	Milkweed	Asclepias	Asclepiadaceae
ASCLEPIAS PURPURASCENS	L.	Purple milkweed	Asclepias	Asclepiadaceae
ASCLEPIAS QUADRIFOLIA	Jacq.	Four-leaved milkweed	Asclepias	Asclepiadaceae
ASCLEPIAS SPECIOSA	Torr.	Showy milkweed	Asclepias	Asclepiadaceae
ASCLEPIAS SPP				
ASCLEPIAS STENOPHYLLA	Gray	Narrow-leaved milkweed	Asclepias	Asclepiadaceae
ASCLEPIAS SULLIVANTII	Engelm. ex	Smooth milkweed	Asclepias	Asclepiadaceae
ASCLEPIAS SYRIACA	L.	Common milkweed	Asclepias	Asclepiadaceae
ASCLEPIAS TUBEROSA	L.	Butterfly-weed	Asclepias	Asclepiadaceae
ASCLEPIAS TUBEROSA ssp. INTERIOR	Woods.	Butterfly-weed	Asclepias	Asclepiadaceae
ASCLEPIAS VARIEGATA	L.	White milkweed	Asclepias	Asclepiadaceae
ASCLEPIAS VERTICILLATA	L.	Whorled milkweed	Asclepias	Asclepiadaceae
ASCLEPIAS VIRIDIFLORA	Raf.	Green milkweed	Asclepias	Asclepiadaceae
ASCLEPIAS VIRIDIS	Walt.	Ozark milkweed	Asclepias	Asclepiadaceae
ASIMINA TRILOBA	(L.) Dunal	Pawpaw	Asimina	Annonaceae
ASPARAGUS OFFICINALIS	L.	Asparagus	Asparagus	Liliaceae
ASPLENIUM PLATYNEURON	(L.) B.S.P.	Ebony spleenwort	Asplenium	Aspleniaceae
ASPLENIUM RESILIENS	Kunze	Black-stalked spleenwort	Asplenium	Aspleniaceae
ASPLENIUM RHIZOPHYLLUM	L.	Walking fern	Asplenium	Aspleniaceae
ASPLENIUM RUTA-MURARIA var. CRYPTOPHYLLUM	(Fern.) Wher	Wall-rue	Asplenium	Aspleniaceae
ASPLENIUM TRICHOMANES	L.	Maidenhair spleenwort	Asplenium	Aspleniaceae
ASPLENIUM TRICHOMANES-RAMOSUM	L.	Maidenhair spleenwort	Asplenium	Aspleniaceae
ASTER ANOMALUS	Engelm.	Limestone heart-leaved wild aster	Aster	Asteraceae
ASTER BOREALIS	(Torr. & Gray)	Northern bog wild aster	Aster	Asteraceae
ASTER CILIOLATUS	Lindl.	Northern heart-leaved wild aster	Aster	Asteraceae
ASTER CORDIFOLIUS	L.	Common blue heart-leave aster	Aster	Asteraceae
ASTER CORDIFOLIUS var. SAGITTIFOLIUS	(Wedemeyer)	Arrow-leaved wild aster	Aster	Asteraceae
ASTER DIVARICATUS	(Nutt.) Torr.	Common white heart-leave aster	Aster	Asteraceae
ASTER DRUMMONDII	Lindl.	Hairy heart-leaved wild aster	Aster	Asteraceae
ASTER DUMOSUS	L.	Long-stalked wild aster	Aster	Asteraceae
ASTER DUMOSUS var. STRICTIOR	Torr. & Gray	Long-stalked wild aster	Aster	Asteraceae
ASTER ERICOIDES	L.	Squarrose white wild aster	Aster	Asteraceae
ASTER ERICOIDES var. PANSUS	(Blake) Boiv.	Squarrose white wild aster	Aster	Asteraceae
ASTER FALCATUS	Lindl.	White prairie wild aster	Aster	Asteraceae
ASTER FALCATUS var. COMMUTATUS	(Torr. & Gray)	White prairie wild aster	Aster	Asteraceae
ASTER FRAGILIS var. FRAGILIS	Willd.	Wild aster	Aster	Asteraceae
ASTER FURCATUS	Burgess	Midwestern white heart-leave aster	Aster	Asteraceae
ASTER INFIRMUS	Michx.	Appalachian flat-topped wild aster	Aster	Asteraceae
ASTER LAEVIS	L.	Smooth wild aster	Aster	Asteraceae
ASTER LANCEOLATUS ssp. HESPERIUS	(Gray) Semp.	Eastern lined wild aster	Aster	Asteraceae
ASTER LANCEOLATUS ssp. LANCEOLATUS	(Wieg.) Sem.	Eastern lined wild aster	Aster	Asteraceae
ASTER LANCEOLATUS ssp. LANCEOLATUS	Willd.	Eastern lined wild aster	Aster	Asteraceae
ASTER LATERIFLORUS	(L.) Britt.	Goblet wild aster	Aster	Asteraceae
ASTER LINARIIFOLIUS	L.	Stiff wild aster	Aster	Asteraceae
ASTER MACROPHYLLUS	L.	Big-leaved wild aster	Aster	Asteraceae
ASTER MODESTUS	Lindl.	Northwestern sticky wild aster	Aster	Asteraceae
ASTER MEMORIALIS	Ait.	Leafy bog wild aster	Aster	Asteraceae
ASTER NOVAE-ANGLIAE	L.	New England wild aster	Aster	Asteraceae
ASTER OBLONGIFOLIUS	Nutt.	Aromatic wild aster	Aster	Asteraceae
ASTER ONTARIENSIS	Wieg.	Bottomland wild aster	Aster	Asteraceae
ASTER OOULENTANGIENSIS var. OOULENTANGIENSIS	Riddell	Prairie heart-leaved wild aster	Aster	Asteraceae

ASTER PATENS	Ait.	Clasping wild aster	Aster	Asteraceae
ASTER PATENS var. PATENTISSIMUS	(Lindl. ex D	Clasping wild aster	Aster	Asteraceae
ASTER PATERNUS	Cronq.	Toothed white-topped wild	Aster	Asteraceae
ASTER PILOSUS	Willd.	Awl wild aster	Aster	Asteraceae
ASTER PILOSUS var. DEMOTUS	Blake	Awl wild aster	Aster	Asteraceae
ASTER PRAEALTUS	Poir.	Veiny lined wild aster	Aster	Asteraceae
ASTER PRENANTHOIDES	Muhl. ex Will	Zigzag wild aster	Aster	Asteraceae
ASTER PUNICEUS	L.	Bristly wild aster	Aster	Asteraceae
ASTER PUNICEUS var. FIRMUS	(Nees) Torr.	Shining wild aster	Aster	Asteraceae
ASTER SAGITTIFOLIUS	Willd	Arrow-leaved aster	Aster	Asteraceae
ASTER SCHREBERI	Nees	Wild aster	Aster	Asteraceae
ASTER SERICEUS	Vent.	Western silvery wild aster	Aster	Asteraceae
ASTER SHORTII	Lindl.	Midwestern blue heart-leav	Aster	Asteraceae
ASTER SPP				
ASTER TURBINELLUS	Lindl.	Prairie wild aster	Aster	Asteraceae
ASTER UMBELLATUS	P. Mill.	Tall flat-topped white wild	Aster	Asteraceae
ASTER UMBELLATUS var. PUBENS	Gray	Northwestern flat-topped w	Aster	Asteraceae
ASTER UNDULATUS	L.	Clasping heart-leaved wild	Aster	Asteraceae
ASTER UROPHYLLUS	Lindl	White arrow aster	Aster	Asteraceae
ASTRAGALUS ADSURGENS var. ROBUSTI	Hook.	Standing milk-vetch	Astragalus	Fabaceae
ASTRAGALUS AGRESTIS	Dougl. ex G.	Field milk-vetch	Astragalus	Fabaceae
ASTRAGALUS CANADENSIS	L.	Canada milk-vetch	Astragalus	Fabaceae
ASTRAGALUS CERAMICUS	Sheldon	painted milkvetch	Astragalus	Fabaceae
ASTRAGALUS CRASSICARPUS	Nutt.	Ground-plum, prairie plum	Astragalus	Fabaceae
ASTRAGALUS DISTORTUS	Torr. & Gray	Ozark milk-vetch	Astragalus	Fabaceae
ASTRAGALUS GRACILIS	Nutt.	Milk-vetch	Astragalus	Fabaceae
ASTRAGALUS KENTROPHYTA var. KENTR	Gray	Spiny milk-vetch	Astragalus	Fabaceae
ASTRAGALUS LOTIFLORUS	Hook.	Lotus milk-vetch	Astragalus	Fabaceae
ASTRAGALUS MISSOURIENSIS	Nutt.	Nuttall milk-vetch	Astragalus	Fabaceae
ASTRAGALUS MOLLISSIMUS	Torr.	Milk-vetch	Astragalus	Fabaceae
ASTRAGALUS PECTINATUS	Nutt. ex T. &	Platte River milk vetch	ASTRAGALUS	Fabaceae
ASTRAGALUS RACEMOSUS	Pursh	Alkali poisonvetch	Astragalus	Fabaceae
ASTRAGALUS SERICOLEUCUS	Gray	Milk-vetch	Astragalus	Fabaceae
ASTRAGALUS SPATULATUS	Sheldon	Milk-vetch	Astragalus	Fabaceae
ATHYRIUM FILIX-FEMINA	(L.) Roth	Lady-fern	Athyrium	Dryopteridaceae
ATHYRIUM FILIX-FEMINA ssp. ANGUSTUM	(Willd.) Clau	Lady-fern	Athyrium	Dryopteridaceae
ATRIPLEX CANESCENS	(Pursh) Nutt.	Goosefoot	Atriplex	Chenopodiaceae
ATRIPLEX GARDNERI	(Moq.) Stan	Saltbush	Atriplex	Chenopodiaceae
ATRIPLEX HORTENSIS	L.	Gamden Orache	Atriplex	Chenopodiaceae
ATRIPLEX MICRANTHA	Ledeb.	Twoscale saltbush	Atriplex	Chenopodiaceae
ATRIPLEX PATULA	L.	Spearscale	Atriplex	Chenopodiaceae
ATRIPLEX PROSTRATA	Boucher ex DC.		Atriplex	Chenopodiaceae
ATRIPLEX SUBSPICATA	(Nutt.) Rydb.		Atriplex	Chenopodiaceae
AUREOLARIA FLAVA	(L.) Farw.	Smooth false foxglove	Aureolaria	Scrophulariaceae
AUREOLARIA GRANDIFLORA var. CINEREA	Pennell	Western false foxglove	Aureolaria	Scrophulariaceae
AUREOLARIA PEDICULARIA	(L.) Raf.	False foxglove	Aureolaria	Scrophulariaceae
AUREOLARIA PEDICULARIA var. AMBIGEN	(Fern.) Farw	False foxglove	Aureolaria	Scrophulariaceae
AVENA FATUA	L.	Wild oats	Avena	Poaceae
AVENA SATIVA	L.	Oats	Avena	Poaceae
BALSAMITA MAJOR	Desf.	Costmary	Balsamita	Asteraceae
BAPTISIA ALBA	(L.) Vent.	White wild indigo	Baptisia	Fabaceae
BAPTISIA ALBA var. MACROPHYLLA	(Larisey) Ise	White wild indigo	Baptisia	Fabaceae
BAPTISIA BRACTEATA var. LEUCOPHAEA	(Nutt.) Korte	Plains wild indigo	Baptisia	Fabaceae
BAPTISIA TINCTORIA	(L.) R. Br.	Yellow wild indigo	Baptisia	Fabaceae
BARBAREA ORTHOCERAS	Ledeb.	Northern winter-cress	Barbarea	Brassicaceae
BARBAREA VULGARIS	R. Br.	Yellow rocket	Barbarea	Brassicaceae
Bare Ground				
BARE ROCK				
BARTONIA VIRGINICA	(L.) B.S.P.	Gentian	Bartonia	Gentianaceae
BECKMANNIA SYZIGACHNE	(Steud.) Fer	American sloughgrass	Beckmannia	Poaceae
BERBERIS CANADENSIS	P. Mill.	American barberry	Berberis	Berberidaceae
BERBERIS THUNBERGII	DC.	Japanese barberry	Berberis	Berberidaceae
BERBERIS VULGARIS	L.	Common or European bar	Berberis	Berberidaceae
BERCHEMIA SCANDENS	(Hill) K. Koc	Supple-jack	Berchemia	Rhamnaceae
BERLANDIERA TEXANA	DC.	Green eyes	Berlandiera	Asteraceae
BERTEROA INCANA	(L.) DC.	Hoary alyssum	Berteroa	Brassicaceae
BERULA ERECTA	(Huds.) Covl	Carrot	Berula	Apiaceae
BESSEYA BULLII	(Eat.) Rydb.	Kitten-tails	Besseyia	Scrophulariaceae
BETULA ALLEGHANIENSIS	Britt.	Yellow birch	Betula	Betulaceae
BETULA ALLEGHANIENSIS var. ALLEGHANI	Britt.	Yellow birch	Betula	Betulaceae
BETULA LENTA	L.	Sweet or cherry birch	Betula	Betulaceae
BETULA NIGRA	L.	River or red birch	Betula	Betulaceae
BETULA Papyrifera	Marsh.	White or paper birch	Betula	Betulaceae

BETULA PAPYRIFERA var. CORDIFOLIA	(Regel) Fern	Mt. Paper birch	Betula	Betulaceae
BETULA PENDULA	Roth	European weeping birch	Betula	Betulaceae
BETULA POPULIFOLIA	Marsh.	Gray birch	Betula	Betulaceae
BETULA PUMILA	L.	Swamp birch	Betula	Betulaceae
BETULA PUMILA var. GLANDULIFERA	Regel	Swamp-birch	Betula	Betulaceae
BIDENS ARISTOSA	(Michx.) Britt	Midwestern tickseed-sunfl	Bidens	Asteraceae
BIDENS CERNUA	L.	Bur-marigold	Bidens	Asteraceae
BIDENS COMOSA	Wieg.	Beggar-ticks	Bidens	Asteraceae
BIDENS CONNATA	Muhl. ex Will	Purplestem beggar-ticks	Bidens	Asteraceae
BIDENS CORONATA	(L.) Britt.	Northern tickseed-sunflow	Bidens	Asteraceae
BIDENS DISCOIDEA	(Torr. & Gra	Few-bracted beggar-ticks	Bidens	Asteraceae
BIDENS FRONDOSA	L.	Devil's beggar-ticks	Bidens	Asteraceae
BIDENS TRIPARTITA	L.	Beggar-ticks	Bidens	Asteraceae
BLEPHILIA CILIATA	(L.) Benth.	Mint	Blephilia	Lamiaceae
BLEPHILIA HIRSUTA	(Pursh) Bent	Mint	Blephilia	Lamiaceae
BOEHMERIA CYLINDRICA	(L.) Sw.	False nettle	Boehmeria	Urticaceae
BOLBOSCHOENUS MARITIMUS	L.		Bolboschoenus	Cyperaceae
BOLTONIA ASTEROIDES	(L.) L. Her.	Aster	Boltonia	Asteraceae
BOLTONIA ASTEROIDES var. LATISQUAMA	(Gray) Cron	Aster	Boltonia	Asteraceae
BOLTONIA ASTEROIDES var. RECOGNITA	(Fern. & Gris	Aster	Boltonia	Asteraceae
BOTHRIOCHLOA BLADHII	(Retz.) S.T.	Caucasian bluestem	Bothriochloa	Poaceae
BOTHRIOCHLOA LAGUROIDES ssp. TORR	(Steud.) Allr	Silver bluestem	Bothriochloa	Poaceae
BOTRYCHIUM BITERMATUM	(Sav.) Under	Sparse-lobed grape-fern	Botrychium	Ophioglossaceae
BOTRYCHIUM CAMPESTRE	W.H. Wagne	Grape fern	Botrychium	Ophioglossaceae
BOTRYCHIUM DISSECTUM	Spreng.	Lace-frond grape-fern	Botrychium	Ophioglossaceae
BOTRYCHIUM LANCEOLATUM	(Gmel.) Ang	Lance-leaved grape-fern	Botrychium	Ophioglossaceae
BOTRYCHIUM LUNARIA	(L.) Sw.	Moonwort	Botrychium	Ophioglossaceae
BOTRYCHIUM MATRICARIIFOLIUM	(A. Braun ex	Daisy-leaved grape-fern	Botrychium	Ophioglossaceae
BOTRYCHIUM MINGANENSE	Victorin	Grape-fern	Botrychium	Ophioglossaceae
BOTRYCHIUM MORMO	W.H. Wagne	Grape-fern	Botrychium	Ophioglossaceae
BOTRYCHIUM MULTIFIDUM	(Gmel.) Trev	Leathery grape-fern	Botrychium	Ophioglossaceae
BOTRYCHIUM SIMPLEX	E. Hitchc.	Little grape-fern	Botrychium	Ophioglossaceae
BOTRYCHIUM VIRGINIANUM	(L.) Sw.	Rattlesnake-fern	Botrychium	Ophioglossaceae
BOUTELOUA CURTIPENDULA	(Michx.) Torr	Side-oats gramma-grass	Bouteloua	Poaceae
BOUTELOUA GRACILIS	(Willd. ex Ku	Blue gramma-grass	Bouteloua	Poaceae
BOUTELOUA HIRSUTA	Lag.	Hairy gramma-grass	Bouteloua	Poaceae
BRACHYELYTRUM ERECTUM	(Schreb. ex	Grass	Brachyelytrum	Poaceae
BRACHYELYTRUM SEPTENTRIONALE	(Babel) G. T.	Grass	Brachyelytrum	Poaceae
BRASENIA SCHREBERI	J.F. Gmel.	Water-shield	Brasenia	Cabombaceae
BRASSICA JUNCEA	(L.) Czern.	Brown, Chinese, or Indian	Brassica	Brassicaceae
BRASSICA NIGRA	(L.) W.D.J.	Black mustard	Brassica	Brassicaceae
BRASSICA RAPA	L.	Mustard	Brassica	Brassicaceae
BRASSICA RAPA var. RAPA	L.	Mustard	Brassica	Brassicaceae
brassicaceae spp				
BRAYA HUMILIS	(C.A. Mey.)	Mustard	Braya	Brassicaceae
BRICKELLIA EUPATORIOIDES	(L.) Shinners	Aster	Brickellia	Asteraceae
BRICKELLIA EUPATORIOIDES var. CORYM	(Torr. & Gra	Aster	Brickellia	Asteraceae
BRICKELLIA EUPATORIOIDES var. EUPAT	(L.) Shinners	Aster	Brickellia	Asteraceae
BRICKELLIA GRANDIFLORA	(Hook.) Nutt.	Aster	Brickellia	Asteraceae
BROMUS ARVENSIS	L.	Brome, Brome-grass, Che	Bromus	Poaceae
BROMUS CILIATUS	L.	Fringed brome	Bromus	Poaceae
BROMUS COMMUTATUS	Schrad.	Hairy chess	Bromus	Poaceae
BROMUS INERMIS	Leyss.	Smooth brome	Bromus	Poaceae
BROMUS INERMIS ssp. PUMPELLIANUS	(Scribn.) Wa	Smooth brome	Bromus	Poaceae
BROMUS JAPONICUS	Thunb. ex M	Japanese chess	Bromus	Poaceae
BROMUS KALMII	Gray	Brome, Brome-grass, Che	Bromus	Poaceae
BROMUS LATIGLUMIS	(Shear) A.S.	Brome, brome-grass, ches	Bromus	Poaceae
BROMUS PUBESCENS	Muhl. ex Will	Brome, Brome-grass, Che	Bromus	Poaceae
BROMUS RACEMOSUS	L.	Brome, Brome-grass, Che	Bromus	Poaceae
BROMUS SECALINUS	L.	Cheat; chess	Bromus	Poaceae
BROMUS SPP				
BROMUS SQUARROSUS	L.	Brome grass	Bromus	Poaceae
BROMUS STERILIS	L.	Barren brome	Bromus	Poaceae
BROMUS TECTORUM	L.	Junegrass, downy chess	Bromus	Poaceae
BUCHLOE DACTYLOIDES	(Nutt.) Engel	Buffalo-grass	Buchloe	Poaceae
BUCHNERA AMERICANA	L.	Blue-hearts	Buchnera	Scrophulariaceae
BUGLOSSOIDES ARVENSIS	(L.) I.M. Joh	Stoneseed, gromwell, pucc	Buglossoides	Boraginaceae
BULBOSTYLIS CAPILLARIS	(L.) Kunth ex	Sedge	Bulbostylis	Cyperaceae
CACALIA ATRIPLICIFOLIA	L.	Pale Indian plantain	Cacalia	Asteraceae
CACALIA PLANTAGINEA	(Raf.) Shinn	Tuberous Indian plantain	Cacalia	Asteraceae
CAKILE EDENTULA	(Bigelow) Ho	Sea-rocket	Cakile	Brassicaceae
CALAMAGROSTIS CANADENSIS	(Michx.) Bea	Bluejoint	Calamagrostis	Poaceae
CALAMAGROSTIS PERPLEXA	Scribn.	Reed-grass	Calamagrostis	Poaceae
CALAMAGROSTIS STRICTA	(Timm.) K	Orchard Grass	Calamagrostis	Poaceae

CALAMAGROSTIS STRICTA ssp. STRICTA	(Gray) C. W. Koel.	Grass	Calamagrostis	Poaceae
CALAMINTHA ARKANSANA	(Nutt.) Shinn	Mint	Calamintha	Lamiaceae
CALAMOVILFA LONGIFOLIA	(Hook.) Scri	Sand-reed	Calamovilfa	Poaceae
CALLA PALUSTRIS	L.	Water-arum	Calla	Araceae
CALLIRHOE ALCAEOIDES	(Michx.) Gra	Pale poppy-mallow	Callirhoe	Malvaceae
CALLIRHOE DIGITATA	Nutt.	Finger poppy-mallow	Callirhoe	Malvaceae
CALLIRHOE INVOLUCRATA	(Nutt. ex Tor	Purple poppy-mallow	Callirhoe	Malvaceae
CALLITRICHE HERMAPHRODITICA	L.	Water-starwort	Callitriche	Callitrichaceae
CALLITRICHE HETEROPHYLLA	Pursh	Water-starwort	Callitriche	Callitrichaceae
CALLITRICHE TERRESTRIS	Raf.	Water-starwort	Callitriche	Callitrichaceae
CALLITRICHE VERNA	L.	Water-starwort	Callitriche	Callitrichaceae
CALOPOGON TUBEROSUS	(L.) B.S.P.	Grass-pink	Calopogon	Orchidaceae
CALTHA PALUSTRIS	L.	Marsh-marigold	Caltha	Ranunculaceae
CALYLOPHUS SERRULATUS	(Nutt.) Rave	Evening-primrose	Calylophus	Onagraceae
CALYPSO BULBOSA	(L.) Oakes	Calypso	Calypso	Orchidaceae
CALYSTEGIA SEPIUM	(L.) R. Br.	Hedge-bindweed	Calystegia	Convolvulaceae
CALYSTEGIA SEPIUM ssp. AMERICANA	(Sims) Brum	Hedge-bindweed	Calystegia	Convolvulaceae
CALYSTEGIA SPITHAMAEA	(L.) Pursh	Low bindweed	Calystegia	Convolvulaceae
CALYSTEGIA SPITHAMAEA ssp. SPITHAMA	(L.) Pursh	Low bindweed	Calystegia	Convolvulaceae
CALYSTEGIA SPP				
CAMASSIA SCILLOIDES	(Raf.) Cory	Wild hyacinth	Camassia	Liliaceae
CAMELINA MICROCARPA	Andrz. ex D	Small-seed false flax	Camelina	Brassicaceae
CAMPANULA APARINOIDES	Pursh	Marsh-bellflower	Campanula	Campanulaceae
CAMPANULA RAPUNCULOIDES	L.	Rover-bellflower	Campanula	Campanulaceae
CAMPANULA ROTUNDIFOLIA	L.	Harebell	Campanula	Campanulaceae
CAMPANULASTRUM AMERICANUM	(L.) Small	Tall bellflower	Campanulastrum	Campanulaceae
CAMPSIS RADICANS	(L.) Seem. e	Trumpet-creeper	Campsis	Bignoniaceae
CANNABIS SATIVA	L.	Hemp, Indian hemp	Cannabis	Cannabaceae
CAPSELLA BURSA-PASTORIS	(L.) Medik.	Shepherd's purse	Capsella	Brassicaceae
CARDAMINE BULBOSA	(Schreb. ex	Bulbous bittercress	Cardamine	Brassicaceae
CARDAMINE CONCATENATA	(Michx.) Sw.	Five-parted toothwort	Cardamine	Brassicaceae
CARDAMINE DIPHYLLA	(Michx.) Wo	Broad-leaved toothwort	Cardamine	Brassicaceae
CARDAMINE DOUGLASSII	Britt.	Pink spring-cress	Cardamine	Brassicaceae
CARDAMINE HIRSUTA	L.	Hoary bitter-cress	Cardamine	Brassicaceae
CARDAMINE PARVIFLORA	L.	Dry-land bitter-cress	Cardamine	Brassicaceae
CARDAMINE PARVIFLORA var. ARENICOLA	(Britt.) O.E.	Dry-land bitter-cress	Cardamine	Brassicaceae
CARDAMINE PENNSYLVANICA	Muhl. ex Will	Pennsylvania bitter-cress	Cardamine	Brassicaceae
CARDAMINE RHOMBOIDEA	(Pers.) DC.	Spring-cress	Cardamine	Brassicaceae
CARDUUS NUTANS	L.	Musk-thistle	Carduus	Asteraceae
CAREX AENEA	Fern.	Sedge	Carex	Cyperaceae
CAREX AGGREGATA	Mackenzie	Sedge	Carex	Cyperaceae
CAREX ALATA	Torr.	Sedge	Carex	Cyperaceae
CAREX ALBICANS var. ALBICANS	Willd. ex Spr	Sedge	Carex	Cyperaceae
CAREX ALBICANS var. EMMONSII	(Dewey ex T	Sedge	Carex	Cyperaceae
CAREX ALBURSINA	Sheldon	Sedge	Carex	Cyperaceae
CAREX ALOPECOIDEA	Tuckerman	Sedge	Carex	Cyperaceae
CAREX AMPHIBOLA	Steud.	Sedge	Carex	Cyperaceae
CAREX AMPHIBOLA var. GLOBOSA	(Bailey) Bail	Sedge	Carex	Cyperaceae
CAREX AMPHIBOLA var. TURGIDA	Fern.	Sedge	Carex	Cyperaceae
CAREX ANNECTENS	(Bickn.) Bick	Sedge	Carex	Cyperaceae
CAREX AQUATILIS	Wahlenb.	Sedge	Carex	Cyperaceae
CAREX ARCTA	Boott	Sedge	Carex	Cyperaceae
CAREX ARCTATA	Boott ex Ho	Sedge	Carex	Cyperaceae
CAREX ARGYRANTHA	Tuckerman	Sedge	Carex	Cyperaceae
CAREX ATHERODES	Spreng.	Sedge	Carex	Cyperaceae
CAREX ATLANTICA	Bailey	Sedge	Carex	Cyperaceae
CAREX ATLANTICA ssp. CAPILLACEA	(Bailey) Rez	Sedge	Carex	Cyperaceae
CAREX ATRATIFORMIS	Britt.	Sedge	Carex	Cyperaceae
CAREX AUREA	Nutt.	Sedge	Carex	Cyperaceae
CAREX BEBBII	Olney ex Fer	Sedge	Carex	Cyperaceae
CAREX BICKNELLII	Britt.	Sedge	Carex	Cyperaceae
CAREX BLANDA	Dewey	Sedge	Carex	Cyperaceae
CAREX BREVIOR	(Dewey) Ma	Sedge	Carex	Cyperaceae
CAREX BROMOIDES	Schkuhr ex	Sedge	Carex	Cyperaceae
CAREX BRUNNESCENS	(Pers.) Poir.	Sedge	Carex	Cyperaceae
CAREX BUSHII	Mackenzie	Sedge	Carex	Cyperaceae
CAREX BUXBAUMII	Wahlenb.	Sedge	Carex	Cyperaceae
CAREX CANESCENS	L.	Sedge	Carex	Cyperaceae
CAREX CANESCENS ssp. DISJUNCTA	(Fern.) Toivo	Sedge	Carex	Cyperaceae
CAREX CAPILLARIS	L.	Sedge	Carex	Cyperaceae
CAREX CAREYANA	Torr. ex Dew	Sedge	Carex	Cyperaceae
CAREX CAROLINIANA	Schwein.	Sedge	Carex	Cyperaceae
CAREX CASTANEA	Wahlenb.	Sedge	Carex	Cyperaceae

CAREX VET. PRELOIDA	(Dewey) De	Sedge	Carex	Cyperaceae
CAREX CEPHALOPHORA	Muhl. ex Willd	Sedge	Carex	Cyperaceae
CAREX CHORDORRHIZA	Ehrh. ex L. f.	Sedge	Carex	Cyperaceae
CAREX COMMUNIS	Bailey	Sedge	Carex	Cyperaceae
CAREX COMOSA	Boott	Sedge	Carex	Cyperaceae
CAREX COMPLANATA	Torr. & Hook	Sedge	Carex	Cyperaceae
CAREX CONCINNA	R. Br.	Sedge	Carex	Cyperaceae
CAREX CONJUNCTA	Boott	Sedge	Carex	Cyperaceae
CAREX CONOIDEA	Schkuhr ex	Sedge	Carex	Cyperaceae
CAREX CRAWEI	Dewey	Sedge	Carex	Cyperaceae
CAREX CRAWFORDII	Fern.	Sedge	Carex	Cyperaceae
CAREX CRINITA	Lam.	Sedge	Carex	Cyperaceae
CAREX CRISTATELLA	Britt.	Sedge	Carex	Cyperaceae
CAREX CRYPTOLEPIS	Mackenzie	Sedge	Carex	Cyperaceae
CAREX CUMULATA	(Bailey) Fern	Sedge	Carex	Cyperaceae
CAREX DAVISII	Schwein. &	Sedge	Carex	Cyperaceae
CAREX DEBILIS	Michx.	Sedge	Carex	Cyperaceae
CAREX DEBILIS var. RUDGEI	Bailey	Sedge	Carex	Cyperaceae
CAREX DEFLEXA	Hornem.	Sedge	Carex	Cyperaceae
CAREX DEWEYANA	Schwein.	Sedge	Carex	Cyperaceae
CAREX DIANDRA	Schrank	Sedge	Carex	Cyperaceae
CAREX DIGITALIS	Willd.	Sedge	Carex	Cyperaceae
CAREX DISPERMA	Dewey	Sedge	Carex	Cyperaceae
CAREX DURIUSCULA	C.A. Mey.	Sedge	Carex	Cyperaceae
CAREX EBURNEA	Boott ex Ho	Sedge	Carex	Cyperaceae
CAREX ECHINATA	Murr.	Star sedge	Carex	Cyperaceae
CAREX EMORYI	Dewey	Sedge	Carex	Cyperaceae
CAREX EXILIS	Dewey	Sedge	Carex	Cyperaceae
CAREX FESTUCACEA	Schkuhr ex	Sedge	Carex	Cyperaceae
CAREX FILIFOLIA	Nutt.	Sedge	Carex	Cyperaceae
CAREX FLAVA	L.	Sedge	Carex	Cyperaceae
CAREX FOENEA	Willd.	Sedge	Carex	Cyperaceae
CAREX FOENEA var. FOENEA	Willd.	Sedge	Carex	Cyperaceae
CAREX FOLLICULATA	L.	Sedge	Carex	Cyperaceae
CAREX FRANKII	Kunth	Sedge	Carex	Cyperaceae
CAREX GARBERI	Fern.	Sedge	Carex	Cyperaceae
CAREX GRACILESCENS	Steud.	Sedge	Carex	Cyperaceae
CAREX GRACILLIMA	Schwein.	Sedge	Carex	Cyperaceae
CAREX GRANULARIS	Muhl. ex Willd	Sedge	Carex	Cyperaceae
CAREX GRANULARIS var. HELEANA	(Olney) Port	Limestone meadow sedge	Carex	Cyperaceae
CAREX GRAVIDA	Bailey	Sedge	Carex	Cyperaceae
CAREX GRAYI	Carey	Sedge	Carex	Cyperaceae
CAREX GYNANDRA	Schwein.	Sedge	Carex	Cyperaceae
CAREX GYNOCRATES	Wormsk. ex	Sedge	Carex	Cyperaceae
CAREX HALLII	Olney		Carex	Cyperaceae
CAREX HAYDENII	Dewey	Sedge	Carex	Cyperaceae
CAREX HIRSUTELLA	Mackenzie	Sedge	Carex	Cyperaceae
CAREX HIRTIFOLIA	Mackenzie	Sedge	Carex	Cyperaceae
CAREX HITCHCOCKIANA	Dewey	Sedge	Carex	Cyperaceae
CAREX HOUGHTONIANA	Torr. ex Dew	Sedge	Carex	Cyperaceae
CAREX HYSTERICINA	Muhl. ex Willd	Sedge	Carex	Cyperaceae
CAREX INOPS ssp. HELIOPHILA	(Mackenzie)	Sedge	Carex	Cyperaceae
CAREX INTERIOR	Bailey	Sedge	Carex	Cyperaceae
CAREX INTUMESCENS	Rudge	Sedge	Carex	Cyperaceae
CAREX JAMESII	Schwein.	Sedge	Carex	Cyperaceae
CAREX LACUSTRIS	Willd.	Sedge	Carex	Cyperaceae
CAREX LAEVICONICA	Dewey	Sedge	Carex	Cyperaceae
CAREX LAEVIVAGINATA	(Kukenth.) M	Sedge	Carex	Cyperaceae
CAREX LANUGINOSA	Michx.	Sedge	Carex	Cyperaceae
CAREX LASIOCARPA	Ehrh.	Sedge	Carex	Cyperaceae
CAREX LAXICULMIS	Schwein.	Sedge	Carex	Cyperaceae
CAREX LAXIFLORA	Lam.	Sedge	Carex	Cyperaceae
CAREX LEAVENWORTHII	Dewey	Sedge	Carex	Cyperaceae
CAREX LENTICULARIS	Michx.	Sedge	Carex	Cyperaceae
CAREX LEPTALEA	Wahlenb.	Sedge	Carex	Cyperaceae
CAREX LEPTONERVIA	(Fern.) Fern.	Sedge	Carex	Cyperaceae
CAREX LIMOSA	L.	Sedge	Carex	Cyperaceae
CAREX LIVIDA	(Wahlenb.)	Sedge	Carex	Cyperaceae
CAREX LONGII	Mackenzie	Sedge	Carex	Cyperaceae
CAREX LUPULINA	Muhl. ex Willd	Sedge	Carex	Cyperaceae
CAREX LURIDA	Wahlenb.	Sedge	Carex	Cyperaceae
CAREX MAGELLANICA ssp. MAGELLANICA	Lam.	Sedge	Carex	Cyperaceae
CAREX MEADII	Dewey	Sedge	Carex	Cyperaceae
CAREX MERRITT-FERNALDII	Mackenzie	Sedge	Carex	Cyperaceae

CAREX MICHAUXIANA	Boeckl.	Sedge	Carex	Cyperaceae
CAREX MOLESTA	Mackenzie	Sedge	Carex	Cyperaceae
CAREX MUHLENBERGII	Schkuhr	ex Sedge	Carex	Cyperaceae
CAREX MUHLENBERGII var. AUSTRALIS	Olney	ex Bal Sedge	Carex	Cyperaceae
CAREX MUHLENBERGII var. ENERVIS	Boott	Sedge	Carex	Cyperaceae
CAREX MURICATA	L.	Sedge	Carex	Cyperaceae
CAREX NEBRASCENSIS	Dewey	Sedge	Carex	Cyperaceae
CAREX NIGROMARGINATA	Schwein.	Sedge	Carex	Cyperaceae
CAREX NORMALIS	Mackenzie	Sedge	Carex	Cyperaceae
CAREX NORVEGICA ssp. INFERALPINA	(Wahlenb.)	Sedge	Carex	Cyperaceae
CAREX OLIGOCARPA	Schkuhr	ex Sedge	Carex	Cyperaceae
CAREX OLIGOSPERMA	Michx.	Sedge	Carex	Cyperaceae
CAREX ORMOSTACHYA	Wieg.	Sedge	Carex	Cyperaceae
CAREX PALLESCENS	L.	Sedge	Carex	Cyperaceae
CAREX PAUCIFLORA	Lightf.	Sedge	Carex	Cyperaceae
CAREX PECKII	Howe	Sedge	Carex	Cyperaceae
CAREX PEDUNCULATA	Muhl.	ex Will Sedge	Carex	Cyperaceae
CAREX PENNSYLVANICA	Lam.	Sedge	Carex	Cyperaceae
CAREX PLANTAGINEA	Lam.	Sedge	Carex	Cyperaceae
CAREX PLATYPHYLLA	Carey	Sedge	Carex	Cyperaceae
CAREX PRAEGRACILIS	W. Boott	Clustered field sedge	Carex	Cyperaceae
CAREX PRAIREA	Dewey	ex W Sedge	Carex	Cyperaceae
CAREX PRASINA	Wahlenb.	Sedge	Carex	Cyperaceae
CAREX PROJECTA	Mackenzie	Sedge	Carex	Cyperaceae
CAREX PSEUDOCYPERUS	L.	Sedge	Carex	Cyperaceae
CAREX RADIATA	(Wahlenb.)	Sedge	Carex	Cyperaceae
CAREX RETROFLEXA	Muhl.	ex Will Sedge	Carex	Cyperaceae
CAREX RETRORSA	Schwein.	Sedge	Carex	Cyperaceae
CAREX ROSEA	Schkuhr	ex Sedge	Carex	Cyperaceae
CAREX ROSTRATA	Stokes	Sedge	Carex	Cyperaceae
CAREX RUGOSPERMA	Mackenzie	Sedge	Carex	Cyperaceae
CAREX SARTWELLII	Dewey	Sedge	Carex	Cyperaceae
CAREX SAXIMONTANA	Mack.	Rky. Mtn. Sedge	Carex	Cyperaceae
CAREX SCABRATA	Schwein.	Sedge	Carex	Cyperaceae
CAREX SCOPARIA	Schkuhr	ex Sedge	Carex	Cyperaceae
CAREX SEORSA	Howe	Sedge	Carex	Cyperaceae
CAREX SHORTIANA	Dewey	Sedge	Carex	Cyperaceae
CAREX SPARGANIOIDES	Muhl.	ex Will Sedge	Carex	Cyperaceae
CAREX SPP				
CAREX SPRENGELII	Dewey	ex S Sedge	Carex	Cyperaceae
CAREX SQUARROSA	L.	Sedge	Carex	Cyperaceae
CAREX STERILIS	Willd.	Sedge	Carex	Cyperaceae
CAREX STIPATA	Muhl.	ex Will Sedge	Carex	Cyperaceae
CAREX STRAMINEA	Willd.	ex Sc Sedge	Carex	Cyperaceae
CAREX STRICTA	Lam.	Sedge	Carex	Cyperaceae
CAREX SUBERECTA	(Olney) Britt.	Sedge	Carex	Cyperaceae
CAREX SWANII	(Fern.) Mack	Sedge	Carex	Cyperaceae
CAREX SYCHNOCEPHALA	Carey	Sedge	Carex	Cyperaceae
CAREX TENERA	Dewey	Sedge	Carex	Cyperaceae
CAREX TENUIFLORA	Wahlenb.	Sedge	Carex	Cyperaceae
CAREX TETANICA	Schkuhr	Sedge	Carex	Cyperaceae
CAREX TEXENSIS	(Torr.) Baile	Sedge	Carex	Cyperaceae
CAREX TONSA	(Fern.) Bickn	Sedge	Carex	Cyperaceae
CAREX TORTA	Boott	ex Tuc Sedge	Carex	Cyperaceae
CAREX TRIBULOIDES	Wahlenb.	Sedge	Carex	Cyperaceae
CAREX TRICHOCARPA	Muhl.	ex Will Sedge	Carex	Cyperaceae
CAREX TRISPERMA	Dewey	Sedge	Carex	Cyperaceae
CAREX TUCKERMANII	Dewey	Sedge	Carex	Cyperaceae
CAREX TYPHINA	Michx.	Sedge	Carex	Cyperaceae
CAREX UMBELLATA	Schkuhr	ex Sedge	Carex	Cyperaceae
CAREX VAGINATA	Tausch	Sedge	Carex	Cyperaceae
CAREX VESICARIA	L.	Sedge	Carex	Cyperaceae
CAREX VESICARIA var. MONILE	(Tuckerman)	Sedge	Carex	Cyperaceae
CAREX VIRESCENS	Muhl.	ex Will Sedge	Carex	Cyperaceae
CAREX VIRIDULA	Michx.	Sedge	Carex	Cyperaceae
CAREX VULPINOIDEA	Michx.	Sedge	Carex	Cyperaceae
CAREX WILLDENOWII	Schkuhr	ex Sedge	Carex	Cyperaceae
CAREX WOODII	Dewey	Sedge	Carex	Cyperaceae
CAREX XERANTICA	Bailey	Sedge	Carex	Cyperaceae
CARPINUS CAROLINIANA	Walt.	Hombeam, blue beech, m	Carpinus	Betulaceae
CARUM CARVI	L.	Caraway	Carum	Apiaceae
CARYA ALBA	(L.) Nutt.	ex Mockernut hickory	Carya	Juglandaceae
CARYA CORDIFORMIS	(Wangenh.)	Bitternut hickory	Carya	Juglandaceae

CARYA GLABRA	(P. Mill.) Sw	Pignut hickory	Carya	Juglandaceae
CARYA ILLINOINENSIS	(Wangenh.)	Pecan	Carya	Juglandaceae
CARYA LACINIOSA	(Michx. f.) G	Shellbark hickory	Carya	Juglandaceae
CARYA OVALIS	(Wangenh.)	Sweet pignut hickory	Carya	Juglandaceae
CARYA OVATA	(P. Mill.) K.	Shagbark hickory	Carya	Juglandaceae
CARYA TEXANA	Buckl.	Ozark hickory	Carya	Juglandaceae
CASTANEA DENTATA	(Marsh.) Bor	Chestnut	Castanea	Fagaceae
CASTILLEJA COCCINEA	(L.) Spreng.	Painted cup	Castilleja	Scrophulariaceae
CASTILLEJA SEPTENTRIONALIS	Lindl.	Northeastern painted cup	Castilleja	Scrophulariaceae
CASTILLEJA SESSILIFLORA	Pursh	Downy paintbrush	Castilleja	Scrophulariaceae
CATALPA BIGNONIoidES	Walt.	Southern catalpa	Catalpa	Bignoniaceae
CATALPA SPECIOSA	(Warder ex	Northern catalpa	Catalpa	Bignoniaceae
CAULOPHYLLUM THALICTROIDES	(L.) Michx.	Blue cohosh	Caulophyllum	Berberidaceae
CEANOTHUS AMERICANUS	L.	New Jersey tea, redroot	Ceanothus	Rhamnaceae
CEANOTHUS HERBACEUS	Raf.	Prairie-redroot	Ceanothus	Rhamnaceae
CELASTRUS ORBICULATA	Thunb.	Oriental bittersweet	Celastrus	Celastraceae
CELASTRUS SCANDENS	L.	American bittersweet	Celastrus	Celastraceae
CELTIS LAEVIGATA	Willd.	Southern hackberry	Celtis	Ulmaceae
CELTIS OCCIDENTALIS	L.	Northern hackberry	Celtis	Ulmaceae
CELTIS TENUIFOLIA	Nutt.	Dwarf hackberry	Celtis	Ulmaceae
CENCHRUS LONGISPINUS	(Hack.) Fern	Common sandbur	Cenchrus	Poaceae
CENTAUREA BIEBERSTEINII	DC.	Star-thistle, knapweed	Centaurea	Asteraceae
CENTAUREA CYANUS	L.	Cornflower, bachelor's butt	Centaurea	Asteraceae
CENTAUREA DIFFUSA	Lam.	Tumble-knapweed	Centaurea	Asteraceae
CENTAUREA SCABIOSA	L.	Hard-heads	Centaurea	Asteraceae
CENTAURIUM PULCHELLUM	(Sw.) Druce	Branching centaury	Centaureum	Gentianaceae
CEPHALANTHUS OCCIDENTALIS	L.	Buttonbush	Cephalanthus	Rubiaceae
CERASTIUM ARVENSE	L.	Field chickweed	Cerastium	Caryophyllaceae
CERASTIUM BRACHYPODUM	(Engelm. ex	Mouse-ear chickweed	Cerastium	Caryophyllaceae
CERASTIUM FONTANUM	Baumg.	Mouse-ear chickweed	Cerastium	Caryophyllaceae
CERASTIUM FONTANUM ssp. VULGARE	(Hartman) G	Mouse-ear chickweed	Cerastium	Caryophyllaceae
CERASTIUM GLOMERATUM	Thuill.	Clammy chickweed	Cerastium	Caryophyllaceae
CERASTIUM NUTANS	Raf.	Mouse-ear chickweed	Cerastium	Caryophyllaceae
CERASTIUM PUMILUM	W. Curtis	Mouse-ear chickweed	Cerastium	Caryophyllaceae
CERASTIUM SEMIDECANDRUM	L.	Mouse-ear chickweed	Cerastium	Caryophyllaceae
CERASTIUM TOMENTOSUM	L.	Mouse-ear chickweed	Cerastium	Caryophyllaceae
CERATOCEPHALA TESTICULATA	(Crantz) Rot	Buttercup, Crowfoot	Ceratocephala	Ranunculaceae
CERATOPHYLLUM DEMERSUM	L.	Homroot, coontail	Ceratophyllum	Ceratophyllaceae
CERATOPHYLLUM MURICATUM	Cham.	Homroot, coontail	Ceratophyllum	Ceratophyllaceae
CERCIS CANADENSIS	L.	Redbud	Cercis	Fabaceae
CERCOCARPUS MONTANUS	Raf.	Mountain mahogany	Cercocarpus	Rosaceae
CHAENORRHINUM MINUS	(L.) Lange	Lesser toadflax	Chaenorrhinum	Scrophulariaceae
CHAEROPHYLLUM PROCUMBENS	(L.) Crantz	Spreading chervil	Chaerophyllum	Apiaceae
CHAEROPHYLLUM TAINURIERI	Hook.	Southern chervil	Chaerophyllum	Apiaceae
CHAMAECRISTA FASCICULATA	(Michx.) Gre	Partridge-pea; locust-weed	Chamaecrista	Fabaceae
CHAMAECRISTA NICTITANS ssp. NICTITANS	(L.) Moench	Caesalpinia	Chamaecrista	Fabaceae
CHAMAEDAPHNE CALYCVLATA	(L.) Moench	Leatherleaf	Chamaedaphne	Ericaceae
CHAMAELIRIUM LUTEUM	(L.) Gray	Devil's bit	Chamaelirium	Liliaceae
CHAMAESYCE GEYERI	(Engelm.) S	Dune spurge	Chamaesyce	Euphorbiaceae
CHAMAESYCE GLYPTOSPERMA	(Engelm.) S	Ridge-seed spurge	Chamaesyce	Euphorbiaceae
CHAMAESYCE HUMISTRATA	(Engelm.) S	Spurge	Chamaesyce	Euphorbiaceae
CHAMAESYCE HYSSOPIFOLIA	(L.) Small	Eyebane	Chamaesyce	Euphorbiaceae
CHAMAESYCE MACULATA	(L.) Small	Spotted sandmat	Chamaesyce	Euphorbiaceae
CHAMAESYCE MISSURICA	(Raf.) Shinn	Missouri spurge	Chamaesyce	Euphorbiaceae
CHAMAESYCE NUTANS	(Lag.) Small	Eyebane	Chamaesyce	Euphorbiaceae
CHAMAESYCE POLYGONIFOLIA	(L.) Small	Seaside spurge	Chamaesyce	Euphorbiaceae
CHAMAESYCE PROSTRATA	(Ait.) Small	Spurge	Chamaesyce	Euphorbiaceae
CHAMAESYCE REVOLUTA	(Engelm.) S	Spurge	Chamaesyce	Euphorbiaceae
CHAMAESYCE SERPENS	(Kunth) Sma	Round-leaved spurge	Chamaesyce	Euphorbiaceae
CHAMAESYCE SERPYLLIFOLIA ssp. SERP	(Pers.) Smal	Thyme-leaved spurge	Chamaesyce	Euphorbiaceae
CHAMAESYCE STICTOSPORA	(Engelm.) S	Mat spurge	Chamaesyce	Euphorbiaceae
CHAMAESYCE VERMICULATA	(Raf.) House	Hairy spurge	Chamaesyce	Euphorbiaceae
CHAMOMILLA SUAVEOLENS	(Pursh) Ryd	Pineapple-weed	Chamomilla	Asteraceae
CHASMANTHIUM LATIFOLIUM	(Michx.) Yat	Wild oats	Chasmanthium	Poaceae
CHEILANTHES FEEI	T. Moore	Slender lip-fern	Cheilanthes	Adiantaceae
CHEILANTHES LANOSA	(Michx.) D.C	Wooly lip-fern	Cheilanthes	Adiantaceae
CHELIDONIUM MAJUS	L.	Poppy	Chelidonium	Papaveraceae
CHELONE GLABRA	L.	White turtlehead	Chelone	Scrophulariaceae
CHENOPODIUM ALBUM	L.	Lamb's quarters, pigweed	Chenopodium	Chenopodiaceae
CHENOPODIUM AMBROSIoidES	L.	Mexican tea, wormseed	Chenopodium	Chenopodiaceae
CHENOPODIUM BERLANDIERI	Moq.	Pitseed goosefoot	Chenopodium	Chenopodiaceae
CHENOPODIUM BERLANDIERI var. BOSCIA	(Moq.) H.A.	Pitseed goosefoot	Chenopodium	Chenopodiaceae
CHENOPODIUM BOTRYS	L.	Jerusalem-oak, feather-ge	Chenopodium	Chenopodiaceae
CHENOPODIUM BUSHIANUM	Aellen	Goosefoot	Chenopodium	Chenopodiaceae

CHENOPODIUM DESICCATUM	A. Nels.	Goosefoot	Chenopodium	Chenopodiaceae
CHENOPODIUM FREMONTII	S. Wats.	Fremont goosefoot	Chenopodium	Chenopodiaceae
CHENOPODIUM GLAUCUM	L.	Oak-leaved goosefoot	Chenopodium	Chenopodiaceae
CHENOPODIUM INCANUM	(S. Wats.) H	Goosefoot, Lamb's quarter	Chenopodium	Chenopodiaceae
CHENOPODIUM LEPTOPHYLLUM	(Moq.) Nutt.	Goosefoot	Chenopodium	Chenopodiaceae
CHENOPODIUM PRATERICOLA	Rydb.	Narrow-leaf goosefoot	Chenopodium	Chenopodiaceae
CHENOPODIUM PUMILIO	R. Br.	Goosefoot, Lamb's quarter	Chenopodium	Chenopodiaceae
CHENOPODIUM RUBRUM	L.	Red Goosefoot	Chenopodium	Chenopodiaceae
CHENOPODIUM SIMPLEX	(Torr.) Raf.	Goosefoot, Lamb's quarter	Chenopodium	Chenopodiaceae
CHENOPODIUM SPP				
CHENOPODIUM STANDLEYANUM	Aellen	Woodland goosefoot	Chenopodium	Chenopodiaceae
CHIMAPHILA MACULATA	(L.) Pursh	Spotted wintergreen	Chimaphila	Pyrolaceae
CHIMAPHILA UMBELLATA	(L.) W. Bart.	Prince's pine, pipsissewa	Chimaphila	Pyrolaceae
CHIMAPHILA UMBELLATA ssp. CISATLANTI	(Blake) Hult	Prince's pine, pipsissewa	Chimaphila	Pyrolaceae
CHLORIS VERTICILLATA	Nutt.	Windmill finger-grass	Chloris	Poaceae
CHLORIS VIRGATA	Sw.	Feather finger-grass	Chloris	Poaceae
CHOENOMELES SPECIOSA	(Sweet) Nak	Flowering quince	Choenomeles	Rosaceae
CHORISPORA TENELLA	(Pall.) DC.	Blue mustard	Chorispora	Brassicaceae
CHRYSOPSIS PILOSA	Nutt.	Soft golden-aster	Chrysopsis	Asteraceae
CHRYSOSPENIUM AMERICANUM	Schwein. ex	Saxifrage	Chrysosplenium	Saxifragaceae
CHRYSOTHAMNUS NAUSEOSUS	(Pallas ex P	Rabbit brush	Chrysothamnus	Asteraceae
CHRYSOTHAMNUS NAUSEOSUS ssp. GRA	(Nutt.) Piper	Rabbit brush	Chrysothamnus	Asteraceae
CHRYSOTHAMNUS PARRYI ssp. HOWARDI	(Parry ex Gr	Rabbit brush	Chrysothamnus	Asteraceae
CICHORIUM INTYBUS	L.	Chickory	Cichorium	Asteraceae
CICUTA BULBIFERA	L.	Bulbiferous water-hemloc	Cicuta	Apiaceae
CICUTA MACULATA	L.	Common water-hemlock	Cicuta	Apiaceae
CIMICIFUGA RACEMOSA	(L.) Nutt.	Black snakefoot, Black coh	Cimicifuga	Ranunculaceae
CINNA ARUNDINACEA	L.	Common woodreed	Cinna	Poaceae
CINNA LATIFOLIA	(Trev. ex Go	Drooping woodreed	Cinna	Poaceae
CIRCAEA ALPINA	L.	Alpine enchanter's nightsh	Circaea	Onagraceae
CIRCAEA LUTETIANA ssp. CANADENSIS	(L.) Aschers.	Common enchanter's night	Circaea	Onagraceae
CIRSIIUM ALTISSIMUM	(L.) Hill	Tall thistle	Cirsium	Asteraceae
CIRSIIUM ARVENSE	(L.) Scop.	Canada thistle	Cirsium	Asteraceae
CIRSIIUM CANESCENS	Nutt.	Thistle	Cirsium	Asteraceae
CIRSIIUM DISCOLOR	(Muhl. ex Wi	Tall or roadside thistle	Cirsium	Asteraceae
CIRSIIUM FLODMANII	(Rydb.) Arth	Prairie thistle	Cirsium	Asteraceae
CIRSIIUM MUTICUM	Michx.	Swamp thistle	Cirsium	Asteraceae
CIRSIIUM OCHROCENTRUM	Gray	Yellowspine thistle	Cirsium	Asteraceae
CIRSIIUM PALUSTRE	(L.) Scop.	Marsh thistle	Cirsium	Asteraceae
CIRSIIUM PITCHERI	(Torr. ex Eat	Dune thistle	Cirsium	Asteraceae
CIRSIIUM UNDULATUM	(Nutt.) Spren	Wavy-leaved thistle	Cirsium	Asteraceae
CIRSIIUM VULGARE	(Savi) Ten.	Bull thistle	Cirsium	Asteraceae
CITRULLUS LANATUS	(Thunb.) Mat	Watermelon	Citrullus	Cucurbitaceae
CLADIUM MARISCOIDES	(Muhl.) Torr.	Twig-rush	Cladium	Cyperaceae
CLADRASTIS KENTUCKEA	(Dum.-Cours	Yellow-wood	Cladrastis	Fabaceae
CLAYTONIA CAROLINIANA	Michx.	Spring-beauty	Claytonia	Portulacaceae
CLAYTONIA VIRGINICA	L.	Spring-beauty	Claytonia	Portulacaceae
CLEMATIS LIGUSTICIFOLIA	Nutt.	Clematis	Clematis	Ranunculaceae
CLEMATIS OCCIDENTALIS	(Hornem.) D	Purple clematis	Clematis	Ranunculaceae
CLEMATIS PITCHERI	Torr. & Gray	Clematis	Clematis	Ranunculaceae
CLEMATIS SPP				
CLEMATIS VIRGINIANA	L.	Virgin's bower	Clematis	Ranunculaceae
CLEOME SERRULATA	Pursh	Stinking clover	Cleome	Capparaceae
CLINOPODIUM VULGARE	L.	Wild basil	Clinopodium	Lamiaceae
CLINTONIA BOREALIS	(Ait.) Raf.	Bead-lily	Clintonia	Liliaceae
COCCULUS CAROLINUS	(L.) DC.	Carolina moonseed	Cocculus	Menispermaceae
COELOGLOSSUM VIRIDE	(L.) Hartman	Bracted orchid	Coeloglossum	Orchidaceae
COELOGLOSSUM VIRIDE var. VIRESCENS	(Muhl. ex Wi	Bracted orchid	Coeloglossum	Orchidaceae
COLLINSIA PARVIFLORA	Lindl.	Cordilleran blue-eyed Mary	Collinsia	Scrophulariaceae
COLLINSIA VERNA	Nutt.	Eastern blue-eyed Mary	Collinsia	Scrophulariaceae
COLLINSONIA CANADENSIS	L.	Northern horse-balm	Collinsonia	Lamiaceae
COLLOMIA LINEARIS	Nutt.	Phlox	Collomia	Polemoniaceae
COMANDRA UMBELLATA	(L.) Nutt.	Bastard toad-flax	Comandra	Santalaceae
COMANDRA UMBELLATA ssp. PALLIDA	(A. DC.) Pie	Bastard toad-flax	Comandra	Santalaceae
COMARUM PALUSTRE	L.	Marsh-potentilla	Comarum	Rosaceae
COMMELINA CAROLINIANA	Walt.	Spiderwort	Commelina	Commelinaceae
COMMELINA COMMUNIS	L.	Common day-flower	Commelina	Commelinaceae
COMMELINA DIFFUSA	Burm. f.	Creeping day-flower	Commelina	Commelinaceae
COMMELINA ERECTA	L.	Erect day-flower	Commelina	Commelinaceae
COMMELINA ERECTA var. ANGUSTIFOLIA	(Michx.) Fer	Erect day-flower	Commelina	Commelinaceae
COMMELINA ERECTA var. DEAMIANA	Fern.	Erect day-flower	Commelina	Commelinaceae
COMMELINA VIRGINICA	L.	Virginia day-flower	Commelina	Commelinaceae
COMPTONIA PEREGRINA	(L.) Coult.	Sweet fern	Comptonia	Myricaceae

CONIUM MACULATUM	L.	Poison hemlock	Conium	Apiaceae
CONOPHOLIS AMERICANA	(L.) Wallr. f.	Squaw-root	Conopholis	Orobanchaceae
CONVALLARIA MAJALIS	L.	Lily of the valley	Convallaria	Liliaceae
CONVOLVULUS ARVENSIS	L.	Field-bindweed	Convolvulus	Convolvulaceae
CONVOLVULUS SPP				
CONYZA CANADENSIS	(L.) Cronq.	Horseweed	Conyza	Asteraceae
CONYZA RAMOSISSIMA	Cronq.	Dwarf fleabane	Conyza	Asteraceae
COPTIS TRIFOLIA	(L.) Salisb.	Goldthread	Coptis	Ranunculaceae
CORALLORRHIZA MACULATA	(Raf.) Raf.	Spotted coral-root	Corallorrhiza	Orchidaceae
CORALLORRHIZA ODONTORRHIZA	(Willd.) Nutt.	Autumn coral-root	Corallorrhiza	Orchidaceae
CORALLORRHIZA STRIATA	Lindl.	Striped coral-root	Corallorrhiza	Orchidaceae
CORALLORRHIZA TRIFIDA	Chatelain	Northern coral-root	Corallorrhiza	Orchidaceae
COREOPSIS GRANDIFLORA	Hogg ex Sw	Bigflower-tickseed	Coreopsis	Asteraceae
COREOPSIS LANCEOLATA	L.	Longstalk-tickseed	Coreopsis	Asteraceae
COREOPSIS PALMATA	Nutt.	Finger-tickseed	Coreopsis	Asteraceae
COREOPSIS PUBESCENS	Ell.	Hairy-tickseed	Coreopsis	Asteraceae
COREOPSIS TINCTORIA	Nutt.	Plains-tickseed	Coreopsis	Asteraceae
COREOPSIS TRIPTERIS	L.	Tall-tickseed	Coreopsis	Asteraceae
CORISPERMUM HYSSOPIFOLIUM	L.	Bugseed	Corispermum	Chenopodiaceae
CORNUS ALTERNIFOLIA	L. f.	Pagoda dogwood	Cornus	Cornaceae
CORNUS AMOMUM	P. Mill.	Knob-styled dogwood	Cornus	Cornaceae
CORNUS AMOMUM ssp. OBLIQUA	(Raf.) J.S.	Knob-styled dogwood	Cornus	Cornaceae
CORNUS CANADENSIS	L.	Dwarf cornel, bunchberry	Cornus	Cornaceae
CORNUS DRUMMONDII	C.A. Mey.	Rough-leaved dogwood	Cornus	Cornaceae
CORNUS FLORIDA	L.	Flowering dogwood	Cornus	Cornaceae
CORNUS FOEMINA	P. Mill.	Northern swamp dogwood	Cornus	Cornaceae
CORNUS RACEMOSA	Lam.	Northern swamp dogwood	Cornus	Cornaceae
CORNUS RUGOSA	Lam.	Round-leaved dogwood	Cornus	Cornaceae
CORNUS SERICEA ssp. SERICEA	L.	Red osier dogwood	Cornus	Cornaceae
CORNUS SPP				
CORONILLA VARIA	L.	Crown-vetch	Coronilla	Fabaceae
CORYDALIS AUREA	Willd.	Golden corydalis	Corydalis	Fumariaceae
CORYDALIS AUREA ssp. OCCIDENTALIS	(Engelm. ex	Golden corydalis	Corydalis	Fumariaceae
CORYDALIS CRYSTALLINA	Engelm.	Mealy corydalis	Corydalis	Fumariaceae
CORYDALIS FLAVULA	(Raf.) DC.	Short-spurred corydalis	Corydalis	Fumariaceae
CORYDALIS MICRANTHA	(Engelm. ex	Slender corydalis	Corydalis	Fumariaceae
CORYDALIS SEMPERVIRENS	(L.) Pers.	Tall corydalis	Corydalis	Fumariaceae
CORYLUS AMERICANA	Walt.	American hazelnut	Corylus	Betulaceae
CORYLUS CORNUTA	Marsh.	Beaked hazelnut	Corylus	Betulaceae
CORYPHANTHA VIVIPARA	(Nutt.) Britt.	Pincushion cactus	Coryphantha	Cactaceae
COSMOS BIPINNATUS	Cav.	Common cosmos	Cosmos	Asteraceae
COTINUS OBOVATUS	Raf.	American smoketree	Cotinus	Anacardiaceae
CRASSULA AQUATICA	(L.) Schoenl.	Pygmy-weed	Crassula	Crassulaceae
CRATAEGUS BERBERIFOLIA	Torr. & Gray	Barberry hawthorn	Crataegus	Rosaceae
CRATAEGUS CALPODENDRON	(Ehrh.) Medi	Pear hawthorn	Crataegus	Rosaceae
CRATAEGUS CHRYSOCARPA	Ashe	Fireberry hawthorn	Crataegus	Rosaceae
CRATAEGUS COCCINIOIDES	Ashe	Kansas hawthorn	Crataegus	Rosaceae
CRATAEGUS CRUS-GALLI	L.	Cockspur-thorn	Crataegus	Rosaceae
CRATAEGUS DISPERMA	Ashe	Hawthorn	Crataegus	Rosaceae
CRATAEGUS DODGEI	Ashe	Hawthorn	Crataegus	Rosaceae
CRATAEGUS DOUGLASII	Lindl.	Black hawthorn	Crataegus	Rosaceae
CRATAEGUS FLABELLATA	(Spach) Kirc	Fanleaf hawthorn	Crataegus	Rosaceae
CRATAEGUS INTRICATA	Lange	Biltmore hawthorn	Crataegus	Rosaceae
CRATAEGUS MOLLIS	Scheele	Downy hawthorn	Crataegus	Rosaceae
CRATAEGUS NITIDA	(Engelm.) S	Hawthorn	Crataegus	Rosaceae
CRATAEGUS PHAENOPYRUM	(L. f.) Medik.	Washington-thorn	Crataegus	Rosaceae
CRATAEGUS PRUINOSA	(Wendl. f.) K	Frosted hawthorn	Crataegus	Rosaceae
CRATAEGUS PUNCTATA	Jacq.	Dotted hawthorn	Crataegus	Rosaceae
CRATAEGUS REVERCHONII	Sarg.	Cockspur hawthorn	Crataegus	Rosaceae
CRATAEGUS SPATHULATA	Michx.	Littlehip hawthorn	Crataegus	Rosaceae
CRATAEGUS SUCCULENTA	Schrad. ex L.	Fleshy hawthorn	Crataegus	Rosaceae
CRATAEGUS UNIFLORA	Muenchh.	Oneflower hawthorn	Crataegus	Rosaceae
CRATAEGUS VIRIDIS	L.	Green hawthorn	Crataegus	Rosaceae
CREPIS ATRIBARBA	Heller	Hawk's-beard	Crepis	Asteraceae
CREPIS CAPILLARIS	(L.) Wallr.	Hawk's beard	Crepis	Asteraceae
CREPIS PULCHRA	L.	Hawk's beard	Crepis	Asteraceae
CREPIS RUNCINATA	(James) Torr	Hawk's beard	Crepis	Asteraceae
CREPIS TECTORUM	L.	Hawk's beard	Crepis	Asteraceae
CROCUS VERNUS	(L.) J. Hill	Crocus	Crocus	Iridaceae
CROTALARIA SAGITTALIS	L.	Weedy rattlebox	Crotalaria	Fabaceae
CROTON CAPITATUS	Michx.	Woolly croton	Croton	Euphorbiaceae
CROTON GLANDULOSUS	L.	Tooth-leaved croton	Croton	Euphorbiaceae
CROTON GLANDULOSUS var. SEPTENTRI	Muell.-Arg.	Tooth-leaved croton	Croton	Euphorbiaceae
CROTON MONANTHOGYNUS	Michx.	Prairie-tea, one-seed croto	Croton	Euphorbiaceae

CROTON SP.	(Klotzsch) M	Texas croton	Croton	Euphorbiaceae
CROTONOPSIS ELLIPTICA	Willd.	Spurge	Crotonopsis	Euphorbiaceae
CRYPTANTHA CANA	(A. Nels.) Pa	Borage	Cryptantha	Boraginaceae
CRYPTANTHA CELOSIODES	(Eastw.) Pay	Borage	Cryptantha	Boraginaceae
CRYPTANTHA CINEREA	(Greene) Cr	Cryptanthe	Cryptantha	Boraginaceae
CRYPTANTHA CINEREA var. JAMESII	Cronq.	Borage	Cryptantha	Boraginaceae
CRYPTANTHA FENDLERI	(Gray) Gree	Borage	Cryptantha	Boraginaceae
CRYPTANTHA MINIMA	Rydb.	Borage	Cryptantha	Boraginaceae
CRYPTANTHA THYRSIFLORA	(Greene) Pa	Borage	Cryptantha	Boraginaceae
CRYPTOGRAMMA ACROSTICHOIDES	R. Br.	Parsley-fern	Cryptogramma	Adiantaceae
CRYPTOGRAMMA STELLERI	(Gmel.) Pran	Slender rock-brake	Cryptogramma	Adiantaceae
CRYPTOTAENIA CANADENSIS	(L.) DC.	Honewort	Cryptotaenia	Apiaceae
CUCURBITA FOETIDISSIMA	Kunth	Wild pumpkin	Cucurbita	Cucurbitaceae
CUNILA MARINA	L.	Dittany, Stone mint	Cunila	Lamiaceae
CUPHEA VISCOSISSIMA	Jacq.	Blue wax-weed	Cuphea	Lythraceae
CUSCUTA CEPHALANTHI	Engelm.	Buttonbush dodder	Cuscuta	Cuscutaceae
CUSCUTA COMPACTA	Juss. ex Ch	Dodder	Cuscuta	Cuscutaceae
CUSCUTA CORYLI	Engelm.	Hazel dodder	Cuscuta	Cuscutaceae
CUSCUTA CUSPIDATA	Engelm.	Dodder	Cuscuta	Cuscutaceae
CUSCUTA GLOMERATA	Choisy	Rope dodder	Cuscuta	Cuscutaceae
CUSCUTA GRONOVII	Willd. ex J.A	Common dodder	Cuscuta	Cuscutaceae
CUSCUTA GRONOVII var. GRONOVII	Willd. ex J.A	Common dodder	Cuscuta	Cuscutaceae
CUSCUTA PENTAGONA	Engelm.	Field dodder	Cuscuta	Cuscutaceae
CUSCUTA PENTAGONA var. PENTAGONA	Engelm.	Field dodder	Cuscuta	Cuscutaceae
CUSCUTA POLYGONORUM	Engelm.	Smartweed dodder	Cuscuta	Cuscutaceae
CYCLOLOMA ATRIPLICIFOLIUM	(Spreng.) Co	Winged pigweed	Cycloloma	Chenopodiaceae
CYMOPTERUS ACAULIS	(Pursh) Raf.	Wild parsley	Cymopterus	Apiaceae
CYMOPTERUS MONTANUS	Nutt. ex Torr	Cymopterus	Cymopterus	Apiaceae
CYNANCHUM LAEVE	(Michx.) Per	Sand vine, climbing milkwe	Cynanchum	Asclepiadaceae
CYNODON DACTYLON	(L.) Pers.	Bermuda-grass	Cynodon	Poaceae
CYNOGLOSSUM OFFICINALE	L.	Hound's tongue	Cynoglossum	Boraginaceae
CYNOGLOSSUM VIRGINIANUM	L.	Wild comfrey	Cynoglossum	Boraginaceae
CYNOGLOSSUM VIRGINIANUM var. BOREA	(Fern.) Coop	Wild comfrey	Cynoglossum	Boraginaceae
CYNOSURUS CRISTATUS	L.	Dog's tail grass	Cynosurus	Poaceae
CYPERUS ACUMINATUS	Torr. & Hook	Sedge	Cyperus	Cyperaceae
CYPERUS BIPARTITUS	Torr.	Sedge	Cyperus	Cyperaceae
CYPERUS DIANDRUS	Torr.	Sedge	Cyperus	Cyperaceae
CYPERUS ECHINATUS	(L.) Wood	Globe flatsedge	Cyperus	Cyperaceae
CYPERUS ERYTHRORHIZOS	Muhl.	Redroot flatsedge	Cyperus	Cyperaceae
CYPERUS ESCULENTUS	L.	Yellow nutsedge	Cyperus	Cyperaceae
CYPERUS FILICULMIS	Vahl	Sedge	Cyperus	Cyperaceae
CYPERUS HOUGHTONII	Torr.	Sedge	Cyperus	Cyperaceae
CYPERUS LANCASTRIENSIS	Porter ex Gr	Sedge	Cyperus	Cyperaceae
CYPERUS ODORATUS	L.	Sedge	Cyperus	Cyperaceae
CYPERUS REFRACTUS	Engelm. ex	Sedge	Cyperus	Cyperaceae
CYPERUS SCHWEINITZII	Torr.	Sedge	Cyperus	Cyperaceae
CYPERUS SQUARROSUS	L.	Sedge	Cyperus	Cyperaceae
CYPERUS STRIGOSUS	L.	False nutsedge	Cyperus	Cyperaceae
CYPERUS VIRENS	Michx.	Sedge	Cyperus	Cyperaceae
CYPRIPEDIUM ACAULE	Ait.	Moccasin flower	Cypripedium	Orchidaceae
CYPRIPEDIUM ARIETINUM	R. Br.	Ram's head lady-slipper	Cypripedium	Orchidaceae
CYPRIPEDIUM CANDIDUM	Muhl. ex Will	White lady-slipper	Cypripedium	Orchidaceae
CYPRIPEDIUM PARVIFLORUM	Salisb.	Yellow lady-slipper	Cypripedium	Orchidaceae
CYPRIPEDIUM PUBESCENS	Willd.	Yellow lady-slipper	Cypripedium	Orchidaceae
CYPRIPEDIUM REGINAE	Walt.	Showy lady-slipper	Cypripedium	Orchidaceae
CYSTOPTERIS BULBIFERA	(L.) Bernh.	Bulblet bladder-fern	Cystopteris	Dryopteridaceae
CYSTOPTERIS FRAGILIS	(L.) Bernh.	Lowland bladder-fern	Cystopteris	Dryopteridaceae
CYSTOPTERIS PROTRUSA	(Weatherby)	Lowland bladder-fern	Cystopteris	Dryopteridaceae
CYSTOPTERIS TENNESSEENSIS	Shaver	Bladder-fern	Cystopteris	Dryopteridaceae
DACTYLIS GLOMERATA	L.	Orchard grass	Dactylis	Poaceae
DALEA AUREA	Nutt. ex Pur	Golden prairie clover	Dalea	Fabaceae
DALEA CANDIDA	Willd.	White prairie clover	Dalea	Fabaceae
DALEA CANDIDA var. OLIGOPHYLLA	(Torr.) Shinn	White prairie clover	Dalea	Fabaceae
DALEA PURPUREA	Vent.	Purple prairie clover	Dalea	Fabaceae
DALEA VILLOSA	(Nutt.) Spreng	Downy prairie clover	Dalea	Fabaceae
DANTHONIA SPICATA	(L.) Beauv. e	Poverty oatgrass	Danthonia	Poaceae
DASISTOMA MACROPHYLLA	(Nutt.) Raf.	Mullein foxglove	Dasistoma	Scrophulariaceae
DATURA STRAMONIUM	L.	Jimson weed	Datura	Solanaceae
DAUCUS CAROTA	L.	Wild carrot, Queen Anne's	Daucus	Apiaceae
DAUCUS PUSILLUS	Michx.	Carrot	Daucus	Apiaceae
DEAD GRASS				
DEAD WOOD				
DECODON VERTICILLATUS	(L.) Eil.	Water-willow	Decodon	Lythraceae

DELPHINIUM CAROLINIANUM	Walt.	Carolina larkspur	Delphinium	Ranunculaceae
DELPHINIUM CAROLINIANUM ssp. VIRESC	(Nutt.) Brook	Prairie larkspur	Delphinium	Ranunculaceae
DELPHINIUM EXALTATUM	Ait.	Tall larkspur	Delphinium	Ranunculaceae
DELPHINIUM TRICORNE	Michx.	Dwarf larkspur	Delphinium	Ranunculaceae
DENNSTAEDTIA PUNCTILOBULA	(Michx.) T.	Hay-scented fern	Dennstaedtia	Dennstaedtiaceae
DEPARIA ACROSTICHODES	(Sw.) M. Kat	Silvery glade-fern	Deparia	Dryopteridaceae
DESCHAMPSIA CESPITOSA	(L.) Beauv.	Tufted hairgrass	Deschampsia	Poaceae
DESCHAMPSIA FLEXUOSA	(L.) Trin.	Hairgrass	Deschampsia	Poaceae
DESCURAINIA PINNATA	(Walt.) Britt.	Tansy-mustard	Descurainia	Brassicaceae
DESCURAINIA PINNATA var. BRACHYCARP	(Richards.)	Western tansymustard	Descurainia	Brassicaceae
DESCURAINIA SOPHIA	(L.) Webb ex Herb-sophia,	tansy-mustard	Descurainia	Brassicaceae
DESMANTHUS ILLINOENSIS	(Michx.) Mac	Bundleflower	Desmanthus	Fabaceae
DESMODIUM CANADENSE	(L.) DC.	Canadian tick-trefoil	Desmodium	Fabaceae
DESMODIUM CANESCENS	(L.) DC.	Hoary tick-trefoil	Desmodium	Fabaceae
DESMODIUM CILIARE	(Muhl. ex Wi	Little-leaf tick-trefoil	Desmodium	Fabaceae
DESMODIUM CUSPIDATUM	(Muhl. ex Wi	Big tick-trefoil	Desmodium	Fabaceae
DESMODIUM GLABELLUM	(Michx.) DC.	Tick-trefoil	Desmodium	Fabaceae
DESMODIUM GLUTINOSUM	(Muhl. ex Wi	Cluster-leaf tick-trefoil	Desmodium	Fabaceae
DESMODIUM ILLINOENSE	Gray	Prairie tick-trefoil	Desmodium	Fabaceae
DESMODIUM LAEVIGATUM	(Nutt.) DC.	Smooth tick-trefoil	Desmodium	Fabaceae
DESMODIUM MARILANDICUM	(L.) DC.	Maryland tick-trefoil	Desmodium	Fabaceae
DESMODIUM NUDIFLORUM	(L.) DC.	Naked tick-trefoil	Desmodium	Fabaceae
DESMODIUM NUTTALLII				
DESMODIUM OBTUSUM	(Muhl. ex Wi	Tick-trefoil	Desmodium	Fabaceae
DESMODIUM PANICULATUM	(L.) DC.	Tick-trefoil	Desmodium	Fabaceae
DESMODIUM PAUCIFLORUM	(Nutt.) DC.	Few-flowered tick-trefoil	Desmodium	Fabaceae
DESMODIUM ROTUNDIFOLIUM	DC.	Round-leaved tick-trefoil	Desmodium	Fabaceae
DESMODIUM SESSILIFOLIUM	(Torr.) Torr.	Sessile-leaved tick-trefoil	Desmodium	Fabaceae
DESMODIUM SPP				
DESMODIUM VIRIDIFLORUM	(L.) DC.	Velvety tick-trefoil	Desmodium	Fabaceae
DIANTHUS ARMERIA	L.	Deptford pink	Dianthus	Caryophyllaceae
DIANTHUS BARBATUS	L.	Sweet William	Dianthus	Caryophyllaceae
DIANTHUS DELTOIDES	L.	Maiden pink	Dianthus	Caryophyllaceae
DIANTHUS PLUMARIUS	L.	Garden pink	Dianthus	Caryophyllaceae
DIARRHENA AMERICANA	Beauv.	Grass	Diarrhena	Poaceae
DICENTRA CANADENSIS	(Goldie) Wal	Squirrel corn	Dicentra	Fumariaceae
DICENTRA CUCULLARIA	(L.) Bernh.	Dutchman's breeches	Dicentra	Fumariaceae
DICHANTHELIUM ACUMINATUM	(Sw.) Gould	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM ACUMINATUM var. FASCI	(Torr.) Freck	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM ACUMINATUM var. LINDH	(Nash) Goul	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM BOREALE	(Nash) Frec	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM BOSCHII	(Poir.) Gould	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM CLANDESTINUM	(L.) Gould	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM COMMUTATUM	(J.A. Schulte	Panic-grass	Dichanthelium	Poaceae
DICHANTHELIUM DEPAUPERATUM	(Muhl.) Goul	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM DICHOTOMUM	(L.) Gould	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM LATIFOLIUM	(L.) Gould &	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM LEIBERGII	(Vasey) Frec	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM LINEARIFOLIUM	(Scribn. ex	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM MALACOPHYLLUM	(Nash) Goul	Dichanthelium	Dichanthelium	Poaceae
DICHANTHELIUM OLIGOSANTHES	(J.A. Schulte	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM OLIGOSANTHES var. SC	(Nash) Goul	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM OVALE var. ADDISONII	(Nash) Goul	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM PRAECOCIUS	Hitch.	Early-Branching Panic	Dichanthelium	Poaceae
DICHANTHELIUM SABULORUM var. THINIU	(A.S. Hitchc.	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM SPHAEROCARPON	(Ell.) Gould	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM SPHAEROCARPON var. I	(Scribn.) Go	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM SPRETUM	(J.A. Schulte	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM VILLOSISSIMUM var. VILL	(Nash) Frec	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM WILCOXIANUM	(Vasey) Frec	Panic grass	Dichanthelium	Poaceae
DICHANTHELIUM XANTHOPHYSUM	(Gray) Freck	Panic grass	Dichanthelium	Poaceae
DICLIPTERA BRACHIATA	(Pursh) Spre	Acanthus	Dicliptera	Acanthaceae
DIERVILLA LONICERA	P. Mill.	Bush-honeysuckle	Diervilla	Caprifoliaceae
DIGITALIS LANATA	Ehrh.	Grecian foxglove	Digitalis	Scrophulariaceae
DIGITARIA COGNATA var. COGNATA	(J.A. Schulte	Crabgrass	Digitaria	Poaceae
DIGITARIA FILIFORMIS	(L.) Koel.	Crab-grass	Digitaria	Poaceae
DIGITARIA ISCHAEMUM	(Schreb.) Sc	Smooth crab-grass	Digitaria	Poaceae
DIGITARIA SANGUINALIS	(L.) Scop.	Northern crab-grass	Digitaria	Poaceae
DIGITARIA VILLOSA	(Walt.) Pers.	Crab-grass	Digitaria	Poaceae
DIODIA TERES	Walt.	Poorjoe, buttonweed	Diodia	Rubiaceae
DIOSCOREA OPPOSITIFOLIA	L.	Yam	Dioscorea	Dioscoreaceae
DIOSCOREA QUATERNATA	J.F. Gmel.	Colic root	Dioscorea	Dioscoreaceae
DIOSCOREA VILLOSA	L.	Colic-root	Dioscorea	Dioscoreaceae
DIOSPYROS VIRGINIANA	L.	Persimmon	Diospyros	Ebenaceae

DIPLAZIUM PYCNOCARPON	(Spreng.) Br	Glade-fern	Diplazium	Dryopteridaceae
DIPLOTAXIS MURALIS	(L.) DC.	Sand-rocket, stinking wall-r	Diplotaxis	Brassicaceae
DIPSACUS FULLONUM	L.	Teasel	Dipsacus	Dipsacaceae
DIRCA PALUSTRIS	L.	Leatherwood	Dirca	Thymelaeaceae
DISPORUM LANUGINOSUM	(Michx.) Nic	Fairy-bells	Disporum	Liliaceae
DISTICHLIS SPICATA	(L.) Greene	Salt grass	Distichlis	Poaceae
DODECATHEON AMETHYSTINUM	(Fassett) Fa	Western shooting-star	Dodecatheon	Primulaceae
DODECATHEON MEADIA	L.	Eastern shooting-star	Dodecatheon	Primulaceae
DRABA ARABISANS	Michx.	Mustard	Draba	Brassicaceae
DRABA BRACHYCARPA	Nutt. ex Torr	Mustard	Draba	Brassicaceae
DRABA CUNEIFOLIA	Nutt. ex Torr	Mustard	Draba	Brassicaceae
DRABA GLABELLA	Pursh	Mustard	Draba	Brassicaceae
DRABA INCAÑA	L.	Mustard	Draba	Brassicaceae
DRABA NEMOROSA	L.	Mustard	Draba	Brassicaceae
DRABA REPTANS	(Lam.) Fern.	Mustard	Draba	Brassicaceae
DRABA VERNA	L.	Whitlow-grass	Draba	Brassicaceae
DRACOCEPHALUM PARVIFLORUM	Nutt.	American dragon-head	Dracocephalum	Lamiaceae
DROSERA ANGLICA	Huds.	Sundew	Drosera	Droseraceae
DROSERA INTERMEDIA	Hayne	Sundew	Drosera	Droseraceae
DROSERA LINEARIS	Goldie	Sundew	Drosera	Droseraceae
DROSERA ROTUNDIFOLIA	L.	Sundew	Drosera	Droseraceae
DRYOPTERIS CAMPYLOPTERA	Clarkson	Mountain wood-fern	Dryopteris	Dryopteridaceae
DRYOPTERIS CARTHUSIANA	(Vill.) H.P. F	Toothed wood-fern	Dryopteris	Dryopteridaceae
DRYOPTERIS CELSA	(Wm. Palme	Log-fern	Dryopteris	Dryopteridaceae
DRYOPTERIS CRISTATA	(L.) Gray	Crested wood-fern	Dryopteris	Dryopteridaceae
DRYOPTERIS EXPANSA	(K. Presl) Fr	Northern wood-fern	Dryopteris	Dryopteridaceae
DRYOPTERIS FRAGRANS	(L.) Schott	Fragrant wood-fern	Dryopteris	Dryopteridaceae
DRYOPTERIS GOLDIANA	(Hook. ex G	Goldie's wood-fern	Dryopteris	Dryopteridaceae
DRYOPTERIS INTERMEDIA	(Muhl. ex Wi	Fancy wood-fern	Dryopteris	Dryopteridaceae
DRYOPTERIS MARGINALIS	(L.) Gray	Marginal wood-fern	Dryopteris	Dryopteridaceae
DRYOPTERIS NEOWHERRYI	W.H. Wagne	Wood-fern, shield-fern (hy	Dryopteris	Dryopteridaceae
DRYOPTERIS SPINULOSA	(O. F. Muell.	Shield fern	Dryopteris	Dryopteridaceae
DRYOPTERIS TRIPLOIDEA	Wherry	Wood-fern, shield fern (hy	Dryopteris	Dryopteridaceae
DUCHESNEA INDICA	(Andr.) Fock	Indian strawberry	Duchesnea	Rosaceae
DULICHIMUM ARUNDINACEUM	(L.) Britt.	Sedge	Dulichium	Cyperaceae
DYSSODIA PAPPOSA	(Vent.) A.S.	Stinking marigold	Dyssodia	Asteraceae
ECHINACEA ANGUSTIFOLIA	DC.	Prairie coneflower	Echinacea	Asteraceae
ECHINACEA PALLIDA	(Nutt.) Nutt.	Prairie coneflower	Echinacea	Asteraceae
ECHINACEA PURPUREA	(L.) Moench	Purple coneflower	Echinacea	Asteraceae
ECHINOCHLOA CRUS-GALLI	(L.) Beauv.	Barnyard-grass	Echinochloa	Poaceae
ECHINOCHLOA MURICATA	(Beauv.) Fer	Barnyard-grass	Echinochloa	Poaceae
ECHINOCHLOA MURICATA var. MICROSTA	Wieg.	Barnyard-grass	Echinochloa	Poaceae
ECHINOCHLOA MURICATA var. MURICATA	(Beauv.) Fer	Rough Barnyardgrass	Echinochloa	Poaceae
ECHINOCHLOA WALTERI	(Pursh) Hell	Grass	Echinochloa	Poaceae
ECHINOCYSTIS LOBATA	(Michx.) Torr	Wild cucumber	Echinocystis	Cucurbitaceae
ECHIMUM VULGARE	L.	Blue-weed	Echium	Boraginaceae
ECLIPTA PROSTRATA	(L.) L.	Yerba-de-tajo	Eclipta	Asteraceae
EFMOASTER106/1997				
EFMONRUUNK106/1997				
EFMONRUUNK206/1997				
EFMONRUUNK306/1997				
EFMONRUUNK606/1997				
EFMONRUUNKASCLEPIAS106/1997				
EFMOSAV609/1997				
EFMOSAVASCLEPIAS09/1997				
EFMOSAVGRASS109/1997				
EFMOSAVUNK206/1997				
EFMOSAVUNK506/1997				
EFMOSAVUNKCAREX21A				
EFMOSAVUNKEGLEGUME206/1997				
EFMOSAVUNKGALIUM206/1997				
EFMOSAVUNKMILKWEED06/1997				
EFMOSAVUNKWOODY106/1997				
efmosruaster109/1997				
efmosruaster309/1997				
efmosrucomus109/1997				
EFMOUNK1006/1997				
EFMOUNK106/1997				
EFMOUNK1206/1997				
EFMOUNK1906/1997				
EFMOUNK209/1997				
EFMOUNK209/1997				
EFMOUNK2306/1997				
EFMOUNK2406/1997				

EFMOUNK2706/1997				
EFMOUNK2806/1997				
EFMOUNK3206/1997				
EFMOUNK806/1997				
EFMOUNK806/1997				
EFMOUNKCAREX306/1997				
efmounkcomus209/1997				
EFMOUNKFERN106/1997				
EFMOUNKGRASS106/1997				
efmounkgrass209/1997				
EFMOUNKGRASS306/1997				
EFMOUNKGRASS406/1997				
EFMOUNKHERB109/1997				
EFMOUNKMINT106/1997				
EFMOUNKMINT206/1997				
EFMOUNKMORININGLORY09/1997				
EFMOUNKMUSTARD106/1997				
EFMOUNKPANICUM206/1997				
EFMOUNKWOODY206/1997				
EFMOUNKWOODY306/1997				
ELAEAGNUS ANGUSTIFOLIA	L.	Russian olive, oleaster	Elaeagnus	Elaeagnaceae
ELAEAGNUS MULTIFLORA	Thunb.	Oleaster	Elaeagnus	Elaeagnaceae
ELAEAGNUS UMBELLATA	Thunb.	Oleaster	Elaeagnus	Elaeagnaceae
ELATINE MINIMA	(Nutt.) Fisch.	Waterwort	Elatine	Elatinaceae
ELATINE TRIANDRA	Schkuhr	Waterwort	Elatine	Elatinaceae
ELEOCHARIS ACICULARIS	(L.) Roemer	Spike-rush	Eleocharis	Cyperaceae
ELEOCHARIS ACUTISQUAMATA	Buckley	Acute Bracted Spikerush	Eleocharis	Cyperaceae
ELEOCHARIS CARIBAEA	(Rottb.) Blak	Spike-rush	Eleocharis	Cyperaceae
ELEOCHARIS COMPRESSA	Sullivant	Spike-rush	Eleocharis	Cyperaceae
ELEOCHARIS ELLIPTICA	Kunth	Spike-rush	Eleocharis	Cyperaceae
ELEOCHARIS ENGELMANNII	Steud.	Blunt spike-rush	Eleocharis	Cyperaceae
ELEOCHARIS ERYTHROPODA	Steud.	Spike-rush	Eleocharis	Cyperaceae
ELEOCHARIS INTERMEDIA	J.A. Schulte	Spike-rush	Eleocharis	Cyperaceae
ELEOCHARIS MELANOCARPA	Torr.	Spike-rush	Eleocharis	Cyperaceae
ELEOCHARIS MICROCARPA	Torr.	Spike-rush	Eleocharis	Cyperaceae
ELEOCHARIS OBTUSA	(Willd.) J.A.	Blunt spike-rush	Eleocharis	Cyperaceae
ELEOCHARIS OLIVACEA	Torr.	Spike-rush	Eleocharis	Cyperaceae
ELEOCHARIS OVATA	(Roth) Roem	Blunt spike-rush	Eleocharis	Cyperaceae
ELEOCHARIS PALUSTRIS	(L.) Roemer	Spike-rush	Eleocharis	Cyperaceae
ELEOCHARIS QUINQUEFLORA	(F.X. Hartma	Spike rush	Eleocharis	Cyperaceae
ELEOCHARIS ROSTELLATA	(Torr.) Torr.	Spike-rush	Eleocharis	Cyperaceae
ELEOCHARIS SMALLII	Britt.	Spike-rush	Eleocharis	Cyperaceae
ELEOCHARIS WOLFII	(Gray) Gray	Spike-rush	Eleocharis	Cyperaceae
ELEPHANTOPUS CAROLINIANUS	Raeusch.	Leafy elephant's foot	Elephantopus	Asteraceae
ELEUSINE INDICA	(L.) Gaertn.	Yard-grass	Eleusine	Poaceae
ELLISIA NYCTELEA	(L.) L.	Water-pod	Ellisia	Hydrophyllaceae
ELODEA CANADENSIS	Michx.	Common water-weed	Elodea	Hydrocharitaceae
ELODEA NUTTALLII	(Planch.) St.	Free-flowered water-weed	Elodea	Hydrocharitaceae
ELYMUS CANADENSIS	L.	Canada wild rye	Elymus	Poaceae
ELYMUS CANADENSIS var. WIEGANDII	(Fern.) Bow	Broad-leaved wild rye	Elymus	Poaceae
ELYMUS CANINUS	(L.) L.	Wild rye	Elymus	Poaceae
ELYMUS ELYMOIDES	(Raf.) Swez	Wild rye	Elymus	Poaceae
ELYMUS ELYMOIDES ssp. ELYMOIDES	(Raf.) Swezy		Elymus	Poaceae
ELYMUS GLAUCUS	Buckl.	Blue wild rye	Elymus	Poaceae
ELYMUS HYSTRIX var. BIGELOVIANA	(Fern.) Bow	Bottlebrush-grass	Elymus	Poaceae
ELYMUS HYSTRIX var. HYSTRIX	L.	Bottlebrush-grass	Elymus	Poaceae
ELYMUS INTERRUPTUS	Buckl.	Brome, Brome-grass, Che	Elymus	Poaceae
ELYMUS LANCEOLATUS ssp. LANCEOLAT	(Scribn. & J.	Wild rye	Elymus	Poaceae
ELYMUS RIPARIUS	Wieg.	Streambank wild rye	Elymus	Poaceae
ELYMUS SPP				
ELYMUS TRACHYCAULUS ssp. SUBSECUN	(Link) A. & D.	Slender wheatgrass	Elymus	Poaceae
ELYMUS TRACHYCAULUS ssp. TRACHYCA	(Link) Gould	Slender wheatgrass	Elymus	Poaceae
ELYMUS VILLOSUS	Muhl. ex Will	Downy wild rye	Elymus	Poaceae
ELYMUS VIRGINICUS	L.	Virginia wild rye	Elymus	Poaceae
ELYMUS VIRGINICUS var. SUBMUTICUS	Hook.	Virginia wild rye	Elymus	Poaceae
ELYMUS VIRGINICUS var. VIRGINICUS	L.	Virginia wild rye	Elymus	Poaceae
ELYTRIGIA ELONGATA	(Host) Nevs	Tall wheatgrass	Elytrigia	Poaceae
ELYTRIGIA INTERMEDIA	(Host) Nevski		Elytrigia	Poaceae
ELYTRIGIA REPENS var. REPENS	(L.) Desv. ex	Quack-grass	Elytrigia	Poaceae
EMFONRUUNKASCLEPIAS106/1997				
EMPETRUM NIGRUM	L.	Crowberry	Empetrum	Empetraceae
ENEMION BITERMATUM	Raf.	Buttercup	Enemion	Ranunculaceae
EPIFAGUS VIRGINIANA	(L.) W. Bart.	Beech-drops	Epifagus	Orobanchaceae
EPIGAEA REPENS	L.	Trailing arbutus	Epigaea	Ericaceae

EPILOBIUM ANGUSTIFOLIUM	L.	Fireweed, Great willow-herb	Epilobium	Onagraceae
EPILOBIUM BRACHYCARPUM	K. Presl	Annual willow-herb	Epilobium	Onagraceae
EPILOBIUM CILIATUM	Raf.	American willow-herb	Epilobium	Onagraceae
EPILOBIUM CILIATUM ssp. CILIATUM	Raf.	American willow-herb	Epilobium	Onagraceae
EPILOBIUM CILIATUM ssp. GLANDULOSUM (Lehm.) Hoc		Northern willow-herb	Epilobium	Onagraceae
EPILOBIUM COLORATUM	Biehler	Eastern willow-herb	Epilobium	Onagraceae
EPILOBIUM HIRSUTUM	L.	Hairy willow-herb	Epilobium	Onagraceae
EPILOBIUM LEPTOPHYLLUM	Raf.	American marsh willow-herb	Epilobium	Onagraceae
EPILOBIUM PALUSTRE	L.	Marsh willow-herb	Epilobium	Onagraceae
EPILOBIUM PARVIFLORUM	Schreb.	Small-flowered hairy willow	Epilobium	Onagraceae
EPILOBIUM STRICTUM	Muhl. ex Spr	Northeastern willow-herb	Epilobium	Onagraceae
EPIPACTIS HELLEBORINE	(L.) Crantz	Helleborine	Epipactis	Orchidaceae
EQUISETUM ARVENSE	L.	Common or field horsetails	Equisetum	Equisetaceae
EQUISETUM FERRISSII	Clute (pro sp)	Horsetails and scouring ru	Equisetum	Equisetaceae
EQUISETUM FLUVIATILE	L.	Water horsetails	Equisetum	Equisetaceae
EQUISETUM HYEMALE	L.	Common scouring rushes	Equisetum	Equisetaceae
EQUISETUM HYEMALE var. AFFINE	(Engelm.) A.	Common American scouri	Equisetum	Equisetaceae
EQUISETUM LAEVIGATUM	A. Braun	Smooth scouring rushes	Equisetum	Equisetaceae
EQUISETUM NELSONII	(A.A. Eat.) S	Horsetails and scouring ru	Equisetum	Equisetaceae
EQUISETUM PALUSTRE	L.	Marsh horsetails	Equisetum	Equisetaceae
EQUISETUM PRATENSE	Ehrh.	Meadow horsetails	Equisetum	Equisetaceae
EQUISETUM SCIRPOIDES	Michx.	Dwarf scouring rushes	Equisetum	Equisetaceae
EQUISETUM SYLVATICUM	L.	Woodland horsetails	Equisetum	Equisetaceae
EQUISETUM VARIEGATUM	Schleich. ex	Variegated scouring rushe	Equisetum	Equisetaceae
ERAGROSTIS CAPILLARIS	(L.) Nees	Lace-grass	Eragrostis	Poaceae
ERAGROSTIS CILIANENSIS	(All.) Lut. ex	Stink-grass	Eragrostis	Poaceae
ERAGROSTIS FRANKII	C.A. Mey. ex	Lovegrass	Eragrostis	Poaceae
ERAGROSTIS HIRSUTA	(Michx.) Nee	Lovegrass	Eragrostis	Poaceae
ERAGROSTIS HYPNOIDES	(Lam.) B.S.P	Lovegrass	Eragrostis	Poaceae
ERAGROSTIS INTERMEDIA	A.S. Hitchc.	Lovegrass	Eragrostis	Poaceae
ERAGROSTIS MINOR	Host	Lovegrass	Eragrostis	Poaceae
ERAGROSTIS PECTINACEA	(Michx.) Nee	Carolina lovegrass	Eragrostis	Poaceae
ERAGROSTIS PILOSA	(L.) Beauv.	India lovegrass	Eragrostis	Poaceae
ERAGROSTIS PILOSA var. PERPLEXA	(L.H. Harvey	India lovegrass	Eragrostis	Poaceae
ERAGROSTIS SPECTABILIS	(Pursh) Steu	Purple lovegrass	Eragrostis	Poaceae
ERAGROSTIS TRICHODES	(Nutt.) Wood	Sand lovegrass	Eragrostis	Poaceae
ERECHTITES HIERACIIFOLIA	(L.) Raf. ex	Fireweed	Erechtites	Asteraceae
ERECHTITES HIERACIIFOLIA (L.) RAF. EX DC.		AMERICAN BURNWEED	ERECHTITES	ASTERACEA
EREMOGONE HOOKERI	(Nutt. ex T.&	Desert Sandwort	Eremogone	Caryophyllaceae
ERIGENIA BULBOSA	(Michx.) Nutt	Harbinger of spring	Erigenia	Apiaceae
ERIGERON ANNUUS	(L.) Pers.	Annual fleabane	Erigeron	Asteraceae
ERIGERON BELLIDIASTRUM	Nutt.	Fleabane	Erigeron	Asteraceae
ERIGERON CAESPITOSUS	Nutt.	Fleabane	Erigeron	Asteraceae
ERIGERON CANUS	Gray	Fleabane	Erigeron	Asteraceae
ERIGERON GLABELLUS	Nutt.	Daisy, fleabane	Erigeron	Asteraceae
ERIGERON GLABELLUS var. PUBESCENS	Hook.	Streamside fleabane	Erigeron	Asteraceae
ERIGERON PHILADELPHICUS	L.	Philadelphia daisy	Erigeron	Asteraceae
ERIGERON PULCHELLUS	Michx.	Robin's plantain	Erigeron	Asteraceae
ERIGERON PUMILUS	Nutt.	Fleabane	Erigeron	Asteraceae
ERIGERON STRIGOSUS	Muhl. ex Will	Rough fleabane	Erigeron	Asteraceae
ERIOCAULON AQUATICUM	(Hill) Druce	Pipewort	Eriocaulon	Eriocaulaceae
ERIOCHLOA CONTRACTA	A.S. Hitchc.	Prairie cup-grass	Eriochloa	Poaceae
ERIOGONUM ALATUM	Torr.	Winged eriogonum	Eriogonum	Polygonaceae
ERIOGONUM ANNUUM	Nutt.	Annual eriogonum	Eriogonum	Polygonaceae
ERIOGONUM CERNUUM	Nutt.	Nodding wild buckwheat	Eriogonum	Polygonaceae
ERIOGONUM FLAVUM	Nutt.	Yellow wild buckwheat	Eriogonum	Polygonaceae
ERIOGONUM GORDONII	Benth.	Gordon's eriogonum	Eriogonum	Polygonaceae
ERIOGONUM PAUCIFLORUM	Pursh	Wild buckwheat	Eriogonum	Polygonaceae
ERIOGONUM SPP				
ERIOPHORUM ALPINUM	L.	Cotton grass	Eriophorum	Cyperaceae
ERIOPHORUM ANGUSTIFOLIUM	Honckeney	Cotton grass	Eriophorum	Cyperaceae
ERIOPHORUM CHAMISSONIS	C.A. Mey.	Rusty cotton grass	Eriophorum	Cyperaceae
ERIOPHORUM GRACILE	W.D.J. Koch	Slender cotton grass	Eriophorum	Cyperaceae
ERIOPHORUM TENELLUM	Nutt.	Conifer cotton grass	Eriophorum	Cyperaceae
ERIOPHORUM VAGINATUM var. SPISSUM	(Fern.) Boivi	Tussock cotton grass	Eriophorum	Cyperaceae
ERIOPHORUM VIRGINICUM	L.	Tawny cotton grass	Eriophorum	Cyperaceae
ERIOPHORUM VIRIDICARINATUM	(Engelm.) F	Dark-scale cotton grass	Eriophorum	Cyperaceae
ERODIUM CICUTARIUM	(L.) L Her. e	Redstem filaree	Erodium	Geraniaceae
ERUCASTRUM GALLICUM	(Willd.) O.E.	Dog-mustard	Erucastrum	Brassicaceae
ERYNGIUM YUCCIFOLIUM	Michx.	Rattlesnake-master	Eryngium	Apiaceae
ERYSIMUM ASPERUM	(Nutt.) DC.	Western wallflower	Erysimum	Brassicaceae
ERYSIMUM CAPITATUM	(Dougl. ex H	Western wildflower	Erysimum	Brassicaceae
ERYSIMUM CHEIRANTHOIDES	L.	Wormseed-mustard	Erysimum	Brassicaceae
ERYSIMUM INCONSPICUUM	(S. Wats.) M	Mustard	Erysimum	Brassicaceae

ERYTHRONIUM REPANDUM	L.	Treacle-mustard, bushy w	Erysimum	Brassicaceae
ERYTHRONIUM ALBIDUM	Nutt.	Trout-lily, fawn-lily	Erythronium	Liliaceae
ERYTHRONIUM AMERICANUM	Ker-Gawl.	Trout-lily, fawn-lily	Erythronium	Liliaceae
ERYTHRONIUM MESOCHOREUM	Knerr	Trout-lily, fawn-lily	Erythronium	Liliaceae
ERYTHRONIUM UMBILICATUM	Parks & Har	Trout-lily, fawn-lily	Erythronium	Liliaceae
ESCOBARIA MISSOURIENSIS var. MISSOU	(Sweet) D.R.	Missouri coryphanthe	Escobaria	Cactaceae
ESCOBARIA VIVIPARA var. VIVIPARA	(Nutt.) Buxb	Pincushion cactus	Escobaria	Cactaceae
EUONYMUS ALATA	(Thunb.) Sie	Burning bush	Evonymus	Celastraceae
EUONYMUS AMERICANA	L.	American burning bush	Evonymus	Celastraceae
EUONYMUS ATROPURPUREA	Jacq.	Eastern burning bush	Evonymus	Celastraceae
EUONYMUS EUROPAEA	L.	European burning bush	Evonymus	Celastraceae
EUONYMUS FORTUNEI	(Turcz.) Han	Burning bush	Evonymus	Celastraceae
EUONYMUS OBOVATA	Nutt.	Running burningbush	Evonymus	Celastraceae
EUPATORIUM ALTISSIMUM	L.	Tall Joe-Pye weed	Eupatorium	Asteraceae
EUPATORIUM COELESTINUM	L.	Mist-flower	Eupatorium	Asteraceae
EUPATORIUM DUBIUM	Willd. ex Poi	Three-nerved joe-pye wee	Eupatorium	Asteraceae
EUPATORIUM FISTULOSUM	Barratt	Hollow-stemmed joe-pye w	Eupatorium	Asteraceae
EUPATORIUM HYSSOPIFOLIUM	L.	Aster	Eupatorium	Asteraceae
EUPATORIUM MACULATUM	L.	Spotted joe-pye weed	Eupatorium	Asteraceae
EUPATORIUM MACULATUM var. MACULAT	L.	Spotted joe-pye weed	Eupatorium	Asteraceae
EUPATORIUM PERFOLIATUM	L.	Boneset	Eupatorium	Asteraceae
EUPATORIUM PURPUREUM var. PURPURE	L.	Purple-node joe-pye weed	Eupatorium	Asteraceae
EUPATORIUM SEROTINUM	Michx.	Late eupatorium	Eupatorium	Asteraceae
EUPATORIUM SESSILIFOLIUM	L.	Aster	Eupatorium	Asteraceae
EUPATORIUM SESSILIFOLIUM var. BRITTO	Porter	Aster	Eupatorium	Asteraceae
EUPHORBIA COROLLATA	L.	Flowering spurge	Euphorbia	Euphorbiaceae
EUPHORBIA CYATHOPHORA	Murr.	Fire-on-the-mountain	Euphorbia	Euphorbiaceae
EUPHORBIA CYPARISSIAS	L.	Cypress spurge	Euphorbia	Euphorbiaceae
EUPHORBIA DENTATA	Michx.	Toothed spurge	Euphorbia	Euphorbiaceae
EUPHORBIA ESULA	L.	Leafy spurge	Euphorbia	Euphorbiaceae
EUPHORBIA GLYPTOSPERMA	Engelm.	Ridge-seeded spurge	Euphorbia	Euphorbiaceae
EUPHORBIA HEXAGONA	Nutt. ex Spr	Six-angled spurge	Euphorbia	Euphorbiaceae
EUPHORBIA MARGINATA	Pursh	Snow-on-the-mountain	Euphorbia	Euphorbiaceae
EUPHORBIA MISSURICA	Raf.	Prairie spurge	Euphorbia	Euphorbiaceae
EUPHORBIA PUBENTISSIMA	Michx.	Spurge	Euphorbia	Euphorbiaceae
EUPHORBIA ROBUSTA	(Engelm.) S	Spurge	Euphorbia	Euphorbiaceae
EUPHORBIA SPATHULATA	Lam.	Prairie spurge	Euphorbia	Euphorbiaceae
EUPHORBIA SPP				
EUPHRASIA HUDSONIANA	Fern. & Wie	Eyebright	Euphrasia	Scrophulariaceae
EUTHAMIA GRAMINIFOLIA	(L.) Nutt.	Common flat-topped golde	Euthamia	Asteraceae
EUTHAMIA GRAMINIFOLIA var. GRAMINIFO	(L.) Nutt.	Common flat-topped golde	Euthamia	Asteraceae
EUTHAMIA GRAMINIFOLIA var. NUTTALLII	(Greene) W.	Common flat-topped golde	Euthamia	Asteraceae
EUTHAMIA GYMNOSPERMOIDES	Greene	Great Plains flat-topped go	Euthamia	Asteraceae
EUTHAMIA OCCIDENTALIS	Nutt.	Sunflower	Euthamia	Asteraceae
EUTHAMIA TENUIFOLIA var. PYCNOCEPHA	(Fern.) C. & J	Coastal plain flat-topped g	Euthamia	Asteraceae
EVOLVULUS NUTTALLIANUS	R. & S.	Evolvulus	Evolvulus	Convolvulaceae
FAGOPYRUM ESCULENTUM	Moench	Buckwheat	Fagopyrum	Polygonaceae
FAGOPYRUM VULGARE	Hill	Buckwheat	Fagopyrum	Polygonaceae
FAGUS GRANDIFOLIA	Ehrh.	American beech	Fagus	Fagaceae
FESTUCA ARUNDINACEA	Schreb.	Tall or alta fescue	Festuca	Poaceae
FESTUCA OCCIDENTALIS	Hook.	Western fescue	Festuca	Poaceae
FESTUCA OCTAFLORA	Walt.	Six-weeks Fescue	Festuca	Poaceae
FESTUCA OVINA	L.	Sheep fescue	Festuca	Poaceae
FESTUCA PARADOXA	Desv.	Fescue	Festuca	Poaceae
FESTUCA PRATENSIS	Huds.	Meadow fescue	Festuca	Poaceae
FESTUCA RUBRA	L.	Red fescue	Festuca	Poaceae
FESTUCA SAXIMONTANA	Rydb.	Rocky Mtn. Fescue	Festuca	Poaceae
FESTUCA SUBVERTICILLATA	(Pers.) Alex	Nodding fescue	Festuca	Poaceae
FIMBRISTYLIS ANNUA	(All.) Roeme	Sedge	Fimbristylis	Cyperaceae
FIMBRISTYLIS AUTUMNALIS	(L.) Roemer	Sedge	Fimbristylis	Cyperaceae
FIMBRISTYLIS CAROLINIANA	(Lam.) Fern.	Sedge	Fimbristylis	Cyperaceae
FIMBRISTYLIS PUBERULA var. INTERIOR	(Michx.) Va	Hairy fimbr	Fimbristylis	Cyperaceae
FLOERKEA PROSERPINACOIDES	Willd.	False mermaid	Floerkea	Limnanthaceae
FRAGARIA SPP				
FRAGARIA VESCA	L.	Thin-leaved wild strawberr	Fragaria	Rosaceae
FRAGARIA VESCA ssp. AMERICANA	(Porter) Stau	Thin-leaved wild strawberr	Fragaria	Rosaceae
FRAGARIA VIRGINIANA	Duchesne	Thick-leaved wild strawber	Fragaria	Rosaceae
FRAGARIA VIRGINIANA ssp. GRAYANA	(Vilm. ex J.	Thick-leaved wild strawber	Fragaria	Rosaceae
FRASERA CAROLINIENSIS	Walt.	American columbo	Fraseria	Gentianaceae
FRAXINUS AMERICANA	L.	White ash	Fraxinus	Oleaceae
FRAXINUS NIGRA	Marsh.	Black ash	Fraxinus	Oleaceae
FRAXINUS PENNSYLVANICA	Marsh.	Ash	Fraxinus	Oleaceae
FRAXINUS QUADRANGULATA	Michx.	Blue ash	Fraxinus	Oleaceae
FRITILLARIA ATROPURPUREA	Nutt.	Leopard lily	Fritillaria	Liliaceae

FROELICHIA FLORIDANA	(Nutt.) Moq.	Common cottonweed	Froelichia	Amaranthaceae
FROELICHIA GRACILIS	(Hook.) Moq	Slendr cottonweed	Froelichia	Amaranthaceae
FUIRENA PUMILA	(Torr.) Spreng	Sedge	Fuirena	Cyperaceae
GAILLARDIA PULCHELLA	Foug.	Rosering-blanket-flower	Gaillardia	Asteraceae
GALEARIS SPECTABILIS	(L.) Raf.	Showy orchids	Galearis	Orchidaceae
GALEOPSIS TETRAHIT	L.	Hemp-nettle	Galeopsis	Lamiaceae
GALINSOGA QUADRIRADIATA	Ruiz & Pavo	Common quickweed	Galinsoga	Asteraceae
GALIUM APARINE	L.	Cleavers	Galium	Rubiaceae
GALIUM ARKANSANUM	Gray	Bedstraw, cleavers	Galium	Rubiaceae
GALIUM ASPRELLUM	Michx.	Rough bedstraw	Galium	Rubiaceae
GALIUM BOREALE	L.	Northern bedstraw	Galium	Rubiaceae
GALIUM BREVIPIES	Fern. & Wie	Beadstraw, Cleavers	Galium	Rubiaceae
GALIUM CIRCAEZANS	Michx.	Forest bedstraw, wild licori	Galium	Rubiaceae
GALIUM CIRCAEZANS var. HYPOMALACU	Fern.	Forest bedstraw, wild licori	Galium	Rubiaceae
GALIUM CONCINNUM	Torr. & Gray	Bedstraw, cleavers	Galium	Rubiaceae
GALIUM LABRADORICUM	(Wieg.) Wie	Labrador bedstraw	Galium	Rubiaceae
GALIUM LANCEOLATUM	Torr.	Wild licorice	Galium	Rubiaceae
GALIUM MOLLUGO	L.	Beadstraw, Cleavers	Galium	Rubiaceae
GALIUM OBTUSUM	Bigelow	Bluntleaf bedstraw	Galium	Rubiaceae
GALIUM PALUSTRE	L.	Bedstraw, cleavers	Galium	Rubiaceae
GALIUM PILOSUM	Ait.	Beadstraw, Cleavers	Galium	Rubiaceae
GALIUM TINCTORIUM	(L.) Scop.	Southern three-lobed beds	Galium	Rubiaceae
GALIUM TRIFIDUM	L.	Northern three-lobed bedst	Galium	Rubiaceae
GALIUM TRIFLORUM	Michx.	Sweet-scented bedstraw	Galium	Rubiaceae
GALIUM VERUM	L.	Yellow bedstraw	Galium	Rubiaceae
GALIUM VIRGATUM	Nutt.	Cleavers	Galium	Rubiaceae
GAMOCOAETA PURPUREA	(L.) Cabrera	Purple cudweed	Gamochaeta	Asteraceae
GAULTHERIA HISPIDULA	(L.) Muhl. ex	Creeping snowberry, moxi	Gaultheria	Ericaceae
GAULTHERIA PROCUMBENS	L.	Wintergreen, checkerberry	Gaultheria	Ericaceae
GAURA BIENNIS	L.	Biennial gaura	Gaura	Onagraceae
GAURA COCCINEA	Nutt. ex Pur	Scarlet gaura	Gaura	Onagraceae
GAURA LONGIFLORA	Spach	Biennial gaura	Gaura	Onagraceae
GAURA PARVIFLORA	Dougl. ex Le	Gaura	Gaura	Onagraceae
GAURA VILLOSA	Torr.	Threadstalk gaura	Gaura	Onagraceae
GAYLUSSACIA BACCATA	(Wangenh.)	Black huckleberry	Gaylussacia	Ericaceae
GENTIANA ANDREWSII	Griseb.	Prairie closed or bottle-gen	Gentiana	Gentianaceae
GENTIANA CLAUSA	Raf.	Meadow closed or bottle-g	Gentiana	Gentianaceae
GENTIANA FLAVIDA	Gray	Pale gentian	Gentiana	Gentianaceae
GENTIANA PUBERULENTA	J. Pringle	Prairie gentian	Gentiana	Gentianaceae
GENTIANA RUBRICAULIS	Schwein.	Great Lakes gentian	Gentiana	Gentianaceae
GENTIANA SAPONARIA	L.	Soapwort gentian	Gentiana	Gentianaceae
GENTIANA SPP				
GENTIANA VILLOSA	L.	Striped gentian	Gentiana	Gentianaceae
GENTIANELLA QUINQUEFOLIA	(L.) Small	Stiff gentain, ague-weed	Gentianella	Gentianaceae
GENTIANELLA QUINQUEFOLIA ssp. OCCID	(Gray) J. Gill	Stiff gentian, ague-weed	Gentianella	Gentianaceae
GENTIANOPSIS CRINITA	(Froel.) Ma	Fringed gentian	Gentianopsis	Gentianaceae
GENTIANOPSIS PROCERA	(Holm) Ma	Lesser fringed gentian	Gentianopsis	Gentianaceae
GEOCAULON LIVIDUM	(Richards.)	Sandalwood	Geocaulon	Santalaceae
GERANIUM BICKNELLII	Britt.	Wild geranium, Crane's bill	Geranium	Geraniaceae
GERANIUM CAROLINIANUM	L.	Carolina crane's-bill	Geranium	Geraniaceae
GERANIUM CAROLINIANUM var. SPHAERO	(Fern.) Breit	Carolina crane's-bill	Geranium	Geraniaceae
GERANIUM MACULATUM	L.	Wild geranium	Geranium	Geraniaceae
GERANIUM PUSILLUM	L.	Small-flowered crane's-bill	Geranium	Geraniaceae
GERANIUM ROBERTIANUM	L.	Herb-Robert	Geranium	Geraniaceae
GERANIUM SANGUINEUM	L.	Wild geranium	Geranium	Geraniaceae
GEUM ALEPPICUM	Jacq.	Yellow avens	Geum	Rosaceae
GEUM CANADENSE	Jacq.	White avens	Geum	Rosaceae
GEUM CANADENSE var. CAMPORUM	(Rydb.) Fern	White avens	Geum	Rosaceae
GEUM LACINIATUM	Murr.	Rough avens	Geum	Rosaceae
GEUM LACINIATUM var. TRICHOCARPUM	Fern.	Rough avens	Geum	Rosaceae
GEUM MACROPHYLLUM	Willd.	Big-leaved avens	Geum	Rosaceae
GEUM RIVALE	L.	Water-avens	Geum	Rosaceae
GEUM TRIFLORUM	Pursh	Prairie smoke	Geum	Rosaceae
GEUM VERNUM	(Raf.) Torr.	Spring avens	Geum	Rosaceae
GEUM VIRGINIANUM	L.	Cream-colored avens	Geum	Rosaceae
GLANDULARIA CANADENSIS	(L.) Nutt.	Rose vervain	Glandularia	Verbenaceae
GLECOMA HEDERACEA	L.	Gill-over-the-ground	Glechoma	Lamiaceae
GLEDITSIA TRIACANTHOS	L.	Honey-locust	Gleditsia	Fabaceae
GLYCERIA BOREALIS	(Nash) Batc	Northern mannagrass	Glyceria	Poaceae
GLYCERIA CANADENSIS	(Michx.) Trin	Rattlesnake mannagrass	Glyceria	Poaceae
GLYCERIA GRANDIS	S. Wats	American mannagrass	Glyceria	Poaceae
GLYCERIA GRANDIS var. GRANDIS	S. Wats.	American mannagrass	Glyceria	Poaceae
GLYCERIA MELICARIA	(Michx.) F.T.	Northeastern mannagrass	Glyceria	Poaceae
GLYCERIA SEPTENTRIONALIS	A.S. Hitchc.	Eastern mannagrass	Glyceria	Poaceae

GLYCINE MAX	(L.) Merr.	Soybean	Glyceria	Poaceae
GLYCYRRHIZA LEPIDOTA	Pursh	Wild licorice	Glycyrrhiza	Fabaceae
GNAPHALIUM MACOUNII	Greene	Clammy cudweed	Gnaphalium	Asteraceae
GNAPHALIUM OBTUSIFOLIUM	L.	Fragrant cudweed	Gnaphalium	Asteraceae
GNAPHALIUM ULIGINOSUM	L.	Low cudweed	Gnaphalium	Asteraceae
GOODYERA OBLONGIFOLIA	Raf.	Western rattlesnake-plantain	Goodyera	Orchidaceae
GOODYERA PUBESCENS	(Willd.) R. Br.	Downy rattlesnake-plantain	Goodyera	Orchidaceae
GOODYERA REPENS	(L.) R. Br.	Lesser rattlesnake-plantain	Goodyera	Orchidaceae
GOODYERA TESSELATA	Lodd.	Allopoloid rattlesnake-plantain	Goodyera	Orchidaceae
GRATIOLA NEGLECTA	Torr.	Hedge-hyssop	Gratiola	Scrophulariaceae
GRATIOLA VIRGINIANA	L.	Hedge-hyssop	Gratiola	Scrophulariaceae
GRATIOLA VISCIDULA	Pennell	Hedge-hyssop	Gratiola	Scrophulariaceae
GRINDELIA NUDA var. NUDA	Wood	Curly-top gum-weed	Grindelia	Asteraceae
GRINDELIA SQUARROSA	(Pursh) Dun	Curly-top gum-weed	Grindelia	Asteraceae
GRINDELIA SQUARROSA var. SERRULATA	(Rydb.) Stey	Curly-top gum-weed	Grindelia	Asteraceae
GUTIERREZIA SAROTHRAE	(Pursh) Britt.	Matchbrush	Gutierrezia	Asteraceae
GYMNOCARPIUM DRYOPTERIS	(L.) Newman	Oak-fern	Gymnocarpium	Dryopteridaceae
GYMNOCARPIUM HETEROSPORUM	W.H. Wagne	Oak-fern	Gymnocarpium	Dryopteridaceae
GYMNOCARPIUM ROBERTIANUM	(Hoffmann)	Limestone oak-fern	Gymnocarpium	Dryopteridaceae
GYMNOCLADUS DIOICUS	(L.) K. Koch	Kentucky coffee-tree	Gymnocladus	Fabaceae
GYPSOPHILA PANICULATA	L.	Baby's breath	Gypsophila	Caryophyllaceae
HACKELIA DEFLEXA	(Wahlenb.)	Stickseed, beggar's lice	Hackelia	Boraginaceae
HACKELIA DEFLEXA var. AMERICANA	(Gray) Fern.	American stickseed, beggar's lice	Hackelia	Boraginaceae
HACKELIA VIRGINIANA	(L.) I.M. Joh	Stickseed, beggar's lice	Hackelia	Boraginaceae
HALENIA DEFLEXA	(Sm.) Griseb	Gentian	Halenia	Gentianaceae
HAMAMELIS VERNALIS	Sarg.	Witch-hazel	Hamamelis	Hamamelidaceae
HAMAMELIS VIRGINIANA	L.	Witch-hazel	Hamamelis	Hamamelidaceae
HEDEOMA DRUMMONDII	Benth.	Drummond false pennyroy	Hedeoma	Lamiaceae
HEDEOMA HISPIDUM	Pursh	Mint	Hedeoma	Lamiaceae
HERDERA HELIX	L.	Ivy, English ivy	Hedera	Araliaceae
HEDYOTIS NIGRICANS var. NIGRICANS	(Lam.) Fosc	Madder	Hedyotis	Rubiaceae
HELENIUM AMARUM	(Raf.) H. Ro	Narrow-leaved sneezeweed	Helenium	Asteraceae
HELENIUM AUTUMNALE	L.	Common sneezeweed	Helenium	Asteraceae
HELENIUM AUTUMNALE var. PARVIFLORUM	(Nutt.) Fern.	Common sneezeweed	Helenium	Asteraceae
HELENIUM FLEXUOSUM	Raf.	Southern sneezeweed	Helenium	Asteraceae
HELI SPP				
HELIANTHEMUM BICKNELLII	Fern.	Frostweed	Helianthemum	Cistaceae
HELIANTHEMUM CANADENSE	(L.) Michx.	Frostweed	Helianthemum	Cistaceae
HELIANTHUS ANNUUS	L.	Common sunflower	Helianthus	Asteraceae
HELIANTHUS DECAPETALUS	L.	Forest sunflower	Helianthus	Asteraceae
HELIANTHUS DIVARICATUS	L.	Divaricate sunflower	Helianthus	Asteraceae
HELIANTHUS GIGANTEUS	L.	Swamp sunflower	Helianthus	Asteraceae
HELIANTHUS GROSSESERRATUS	Martens	Sawtooth sunflower	Helianthus	Asteraceae
HELIANTHUS HIRSUTUS	Raf.	Hairy sunflower	Helianthus	Asteraceae
HELIANTHUS LAETIFLORUS	Pers. (pro sp)	Aster	Helianthus	Asteraceae
HELIANTHUS MAXIMILIANI	Schrad.	Maximilian sunflower	Helianthus	Asteraceae
HELIANTHUS MICROCEPHALUS	Torr. & Gray	Small-headed sunflower	Helianthus	Asteraceae
HELIANTHUS MOLLIS	Lam.	Ashy sunflower	Helianthus	Asteraceae
HELIANTHUS OCCIDENTALIS	Riddell	Naked-stemmed sunflower	Helianthus	Asteraceae
HELIANTHUS PAUCIFLORUS ssp. PAUCIFLORUS	Nutt.	Stiff sunflower	Helianthus	Asteraceae
HELIANTHUS PAUCIFLORUS ssp. SUBRHODANTHUS	(Rydb.) O. S	Stiff sunflower	Helianthus	Asteraceae
HELIANTHUS PETIOLARIS	Nutt.	Plains sunflower	Helianthus	Asteraceae
HELIANTHUS STRUMOSUS	L.	Rough-leaved sunflower	Helianthus	Asteraceae
HELIANTHUS TUBEROSUS	L.	Jerusalem-artichoke	Helianthus	Asteraceae
HELIOPSIS HELIANTHOIDES	(L.) Sweet	Sunflower-everlasting	Heliopsis	Asteraceae
HELIOPSIS HELIANTHOIDES var. OCCIDENTALIS	(T.R. Fisher)	False sunflower, ox-eye	Heliopsis	Asteraceae
HELIOPSIS HELIANTHOIDES var. SCABRA	(Dunal) Fern	Sunflower-everlasting	Heliopsis	Asteraceae
HELIOTROPIDIUM TENELLUM	(Nutt.) Torr.	Pasture-hellotrope	Heliotropium	Boraginaceae
HEMEROCALLIS FULVA	(L.) L.	Day-lily	Hemerocallis	Liliaceae
HEMEROCALLIS LILIOASPHODELUS	L.	Day-lily	Hemerocallis	Liliaceae
HEPATICA NOBILIS var. ACUTA	(Pursh) Stey	Sharp-lobed hepatica	Hepatica	Ranunculaceae
HEPATICA NOBILIS var. OBTUSA	(Pursh) Stey	Round-lobed hepatica	Hepatica	Ranunculaceae
HERACLEUM LANATUM	Michx.	Cow-parsnip	Heracleum	Apiaceae
HERACLEUM MAXIMUM	Bartr.	Common cowparsnip	Heracleum	Apiaceae
HERACLEUM SPHONDYLIIUM	L.	Carrot	Heracleum	Apiaceae
HESPERIS MATRONALIS	L.	Dame's rocket	Hesperis	Brassicaceae
HETERANTHERA DUBIA	(Jacq.) Mac	Mud-plantain	Heteranthera	Pontederiaceae
HETERANTHERA LIMOSA	Willd	Mud Plantain	Heteranthera	Pontederiaceae
HETEROTHECA VILLOSA	(Pursh) Shin	Golden aster	Heterotheca	Asteraceae
HETEROTHECA VILLOSA var. HISPIDA	(Pursh) Shin	Hairy golden aster	Heterotheca	Asteraceae
HETEROTHECA VILLOSA var. HORRIDA			Heterotheca	Asteraceae
HETEROTHECA VILLOSA var. VILLOSA	(Pursh) Shin	Hairy goldenaster	Heterotheca	Asteraceae
HEUCHERA AMERICANA	L.	Common alum-root	Heuchera	Saxifragaceae

HEUCHERA AMERICANA var. HIRSUTICAU	(Wheelock)	Common alum-root	Heuchera	Saxifragaceae
HEUCHERA PARVIFLORA var. PUBERULA	(Mackenzie)	Small-flowered alum-root	Heuchera	Saxifragaceae
HEUCHERA RICHARDSONII	R. Br.	Prairie alum-root	Heuchera	Saxifragaceae
HEXALECTRIS SPICATA	(Walt.) Barn	Crested coral-root	Hexalectris	Orchidaceae
HIBISCUS LAEVIS	All.	Smooth rose-mallow	Hibiscus	Malvaceae
HIBISCUS MOSCHEUTOS	L.	Rose-mallow	Hibiscus	Malvaceae
HIBISCUS MOSCHEUTOS ssp. LASIOCARP	(Cav.) O.J.	Rose-mallow	Hibiscus	Malvaceae
HIBISCUS TRIONUM	L.	Flower of an hour	Hibiscus	Malvaceae
HIERACIUM AURANTIACUM	L.	Orange-red king-devil	Hieracium	Asteraceae
HIERACIUM CAESPITOSUM	Dumort.	Yellow king-devil	Hieracium	Asteraceae
HIERACIUM CANADENSE	Michx.	Canada hawkweed	Hieracium	Asteraceae
HIERACIUM CANADENSE var. FASCICULAT	(Pursh) Fern	Canada hawkweed	Hieracium	Asteraceae
HIERACIUM FLORIBUNDUM	Wimmer & G	Glaucous hawkweed	Hieracium	Asteraceae
HIERACIUM GRONOVII	L.	Beaked hawkweed	Hieracium	Asteraceae
HIERACIUM LONGIPILUM	Torr.	Long-haired hawkweed	Hieracium	Asteraceae
HIERACIUM PANICULATUM	L.	Panicled hawkweed	Hieracium	Asteraceae
HIERACIUM PILOSELLA	L.	Mouse-ear hawkweed	Hieracium	Asteraceae
HIERACIUM PILOSELLOIDES	Vill.	Glaucous king-devil	Hieracium	Asteraceae
HIERACIUM SCABRUM	Michx.	Sticky hawkweed	Hieracium	Asteraceae
HIERACIUM UMBELLATUM	L.	Northern hawkweed	Hieracium	Asteraceae
HIERACIUM VENOSUM	L.	Veiny hawkweed	Hieracium	Asteraceae
HIEROCHLOE ODORATA	(L.) Beauv.	Sweet grass	Hierochloe	Poaceae
HIPPURIS VULGARIS	L.	Mare's tail	Hippuris	Hippuridaceae
HOLCUS LANATUS	L.	Common velvet-grass	Holcus	Poaceae
HOLOSTEUM UMBELLATUM	L.	Jagged chickweed	Holosteum	Caryophyllaceae
HORDEUM JUBATUM	L.	Foxtail-barley	Hordeum	Poaceae
HORDEUM PUSILLUM	Nutt.	Little barley	Hordeum	Poaceae
HORDEUM VULGARE	L.	Barley	Hordeum	Poaceae
HOUSTONIA CAERULEA	L.	Bluets	Houstonia	Rubiaceae
HOUSTONIA CANADENSIS	Willd. ex Ro	Madder	Houstonia	Rubiaceae
HOUSTONIA LONGIFOLIA	Gaertn.	Madder	Houstonia	Rubiaceae
HOUSTONIA PUSILLA	Schoepf	Small bluets	Houstonia	Rubiaceae
HUDSONIA TOMENTOSA	Nutt.	False heather	Hudsonia	Cistaceae
HUMULUS JAPONICUS	Sieb. & Zucc	Japanese hops	Humulus	Cannabaceae
HUMULUS LUPULUS	L.	Hops	Humulus	Cannabaceae
HUPERZIA LUCIDULA	(Michx.) Tre	Clubmoss	Huperzia	Lycopodiaceae
HUPERZIA SELAGO var. SELAGO	(L.) Bernh. e	Fir clubmoss	Huperzia	Lycopodiaceae
HYACINTHOIDES NONSCRIPTA	(L.) Chouard	English bluebell	Hyacinthoides	Liliaceae
HYBANTHUS CONCOLOR	(T.F. Forst.)	Green violet	Hybanthus	Violaceae
HYDRANGAEA ARBORESCENS	L.	Hydrangea	Hydrangea	Hydrangeaceae
HYDRANGAEA CINEREA	Small	Hydrangea	Hydrangea	Hydrangeaceae
HYDRANGAEA PANICULATA	Sieb.	Hydrangea	Hydrangea	Hydrangeaceae
HYDRASTIS CANADENSIS	L.	Golden seal	Hydrastis	Ranunculaceae
HYDROCOTYLE AMERICANA	L.	Marsh pennywort	Hydrocotyle	Apiaceae
HYDROCOTYLE UMBELLATA	L.	Water pennywort	Hydrocotyle	Apiaceae
HYDROPHYLLUM APPENDICULATUM	Michx.	Biennial waterleaf	Hydrophyllum	Hydrophyllaceae
HYDROPHYLLUM CANADENSE	L.	Maple-leaved waterleaf	Hydrophyllum	Hydrophyllaceae
HYDROPHYLLUM VIRGINIANUM	L.	Eastern waterleaf	Hydrophyllum	Hydrophyllaceae
HYMENOPAPPUS FILIFOLIUS var. POLYCE	(Osterhout)	Aster	Hymenopappus	Asteraceae
HYMENOXYS SCAPOSA	(DC) Parker		Hymenoxys	Asteraceae
HYPERICUM ASCYRON	L.	St. John's wort	Hypericum	Clusiaceae
HYPERICUM BOREALE	(Britt.) Bickn.	St. John's wort	Hypericum	Clusiaceae
HYPERICUM CANADENSE	L.	St. John's wort	Hypericum	Clusiaceae
HYPERICUM DENTICULATUM	Walt.	Coppery St. John's-wort	Hypericum	Clusiaceae
HYPERICUM DRUMMONDII	(Grev. & Ho	Nits-and-lice	Hypericum	Clusiaceae
HYPERICUM ELLIPTICUM	Hook.	St. John's wort	Hypericum	Clusiaceae
HYPERICUM GENTIANOIDES	(L.) B.S.P.	Orange-grass	Hypericum	Clusiaceae
HYPERICUM HYPERICOIDES ssp. HYPERI	(L.) Crantz	St. Andrew's cross	Hypericum	Clusiaceae
HYPERICUM KALMIANUM	L.	St. John's wort	Hypericum	Clusiaceae
HYPERICUM MAJUS	(Gray) Britt.	St. John's wort	Hypericum	Clusiaceae
HYPERICUM MUTILUM	L.	St. John's wort	Hypericum	Clusiaceae
HYPERICUM PERFORATUM	L.	Common St. John's wort	Hypericum	Clusiaceae
HYPERICUM PROLIFICUM	L.	St. John's wort	Hypericum	Clusiaceae
HYPERICUM PSEUDOMACULATUM	Bush	St. John's wort	Hypericum	Clusiaceae
HYPERICUM PUNCTATUM	Lam.	Spotted St. John's wort	Hypericum	Clusiaceae
HYPERICUM SPHAEROCARPUM	Michx.	St. John's wort	Hypericum	Clusiaceae
HYPERICUM SPP				
HYPOCHAERIS RADICATA	L.	Spotted cat's ear	Hypochaeris	Asteraceae
HYPOXIS HIRSUTA	(L.) Coville	Common star-grass	Hypoxis	Liliaceae
ILEX DECIDUA	Walt.	Possum-haw	Ilex	Aquifoliaceae
ILEX VERTICILLATA	(L.) Gray	Winterberry	Ilex	Aquifoliaceae
IMPATIENS CAPENSIS	Meerb.	Orange touch-me-not	Impatiens	Balsaminaceae
IMPATIENS PALLIDA	Nutt.	Yellow touch-me-not	Impatiens	Balsaminaceae
INULA HELENIUM	L.	Elecampane	Inula	Asteraceae

IPOMOEA COCCINEA	L.	Red morning-glory	Ipomoea	Convolvulaceae
IPOMOEA HEDERACEA	Jacq.	Ivy-leaved morning-glory	Ipomoea	Convolvulaceae
IPOMOEA LEPTOPHYLLA	Torr.	Morning-glory	Ipomoea	Convolvulaceae
IPOMOEA PANDURATA	(L.) G.F.W.	Wild potato	Ipomoea	Convolvulaceae
IPOMOEA PURPUREA	(L.) Roth	Common morning-glory	Ipomoea	Convolvulaceae
IPOMOPSIS CONGESTA	(Hook.) V. G	Phlox	Ipomopsis	Polemoniaceae
IREGINE RHIZOMATOSA	Standl.	Bloodleaf	Iresine	Amaranthaceae
IRIS CRISTATA	Ait.	Dwarf crested iris	Iris	Iridaceae
IRIS GERMANICA	L.	German iris	Iris	Iridaceae
IRIS PSEUDACORUS	L.	Water-flag, yellow flag	Iris	Iridaceae
IRIS VERSICOLOR	L.	Northern blue flag	Iris	Iridaceae
IRIS VIRGINICA	L.	Southern blue flag	Iris	Iridaceae
IRIS VIRGINICA var. SHREVEI	(Small) E. A	Southern blue flag	Iris	Iridaceae
ISOETES ECHINOSPORA	Durieu	Spiny-spored quillwort	Isoetes	Isoetaceae
ISOETES LACUSTRIS	L.	Deep-water quillwort	Isoetes	Isoetaceae
ISOPYRUM BITERMATUM	(Raf.) T. & G	False rue anemone	Isopyrum	Ranunculaceae
ISOTRIA VERTICILLATA	Raf.	Larger whorled pogonia	Isotria	Orchidaceae
IVA ANNUA	L.	Rough marsh-elder	Iva	Asteraceae
IVA AXILLARIS	Hook.	Poverty weed	Iva	Asteraceae
IVA XANTHIFOLIA	Nutt.	Big marsh-elder	Iva	Asteraceae
JEFFERSONIA DIPHYLLA	(L.) Pers.	Twin-leaf, Rheumatism root	Jeffersonia	Berberidaceae
JUGLANS CINEREA	L.	Butternut	Juglans	Juglandaceae
JUGLANS NIGRA	L.	Black walnut	Juglans	Juglandaceae
JUGLANS REGIA	L.	English walnut	Juglans	Juglandaceae
JUNCUS ACUMINATUS	Michx.	Rush	Juncus	Juncaceae
JUNCUS ALPINOARTICULATUS ssp. AMERIC	(Farw.) Ham	Rush	Juncus	Juncaceae
JUNCUS ALPINOARTICULATUS ssp. FUSC	(Fern.) Ham	Rush	Juncus	Juncaceae
JUNCUS ARTICULATUS	L.	Rush	Juncus	Juncaceae
JUNCUS BALTICUS	Willd.	Wire-rush	Juncus	Juncaceae
JUNCUS BALTICUS var. LITTORALIS	Engelm.	Wire-rush	Juncus	Juncaceae
JUNCUS BALTICUS var. MONTANUS	Engelm.	Wire-rush	Juncus	Juncaceae
JUNCUS BIFLORUS	Ell.	Rush	Juncus	Juncaceae
JUNCUS BRACHYCARPUS	Engelm.	Rush	Juncus	Juncaceae
JUNCUS BRACHYCEPHALUS	(Engelm.) B	Rush	Juncus	Juncaceae
JUNCUS BREVICAUDATUS	(Engelm.) F	Rush	Juncus	Juncaceae
JUNCUS BUFONIUS	L.	Toad-rush	Juncus	Juncaceae
JUNCUS CANADENSIS	J. Gay ex La	Rush	Juncus	Juncaceae
JUNCUS DIFFUSISSIMUS	Buckl.	Slimpod-rush	Juncus	Juncaceae
JUNCUS DUDLEYI	Wieg.	Path-rush	Juncus	Juncaceae
JUNCUS EFFUSUS	L.	Soft rush	Juncus	Juncaceae
JUNCUS EFFUSUS var. SOLUTUS	Fern. & Wie	Soft rush	Juncus	Juncaceae
JUNCUS FILIFORMIS	L.	Rush	Juncus	Juncaceae
JUNCUS GERARDII	Loisel.	Black grass	Juncus	Juncaceae
JUNCUS GREENEI	Oakes & Tu	Rush	Juncus	Juncaceae
JUNCUS INTERIOR	Wieg.	Rush	Juncus	Juncaceae
JUNCUS LONGISTYLIS	Torr.	Rush	Juncus	Juncaceae
JUNCUS MARGINATUS	Rostk.	Rush	Juncus	Juncaceae
JUNCUS NODOSUS	L.	Rush	Juncus	Juncaceae
JUNCUS PELOCARPUS	E. Mey.	Rush	Juncus	Juncaceae
JUNCUS SCIRPOIDES	Lam.	Rush	Juncus	Juncaceae
JUNCUS SECUNDUS	Beauv. ex P	Rush	Juncus	Juncaceae
JUNCUS STYGIUS	L.	Rush	Juncus	Juncaceae
JUNCUS TENUIS	Willd.	Path-rush	Juncus	Juncaceae
JUNCUS TORREYI	Coville	Rush	Juncus	Juncaceae
JUNIPERUS COMMUNIS	L.	Common juniper	Juniperus	Cupressaceae
JUNIPERUS HORIZONTALIS	Moench	Creeping juniper	Juniperus	Cupressaceae
JUNIPERUS SCOPULORUM	Sarg.	Rocky Mountain juniper	Juniperus	Cupressaceae
JUNIPERUS VIRGINIANA	L.	Eastern red cedar	Juniperus	Cupressaceae
JUSTICIA AMERICANA	(L.) Vahl	American water-willow	Justicia	Acanthaceae
KALMIA ANGUSTIFOLIA	L.	Sheep-laurel	Kalmia	Ericaceae
KALMIA POLIFOLIA	Wangenh.	Swamp-laurel	Kalmia	Ericaceae
KICKXIA ELATINE	(L.) Dumort.	Cancerwort	Kickxia	Scrophulariaceae
KOCHIA SCOPARIA	(L.) Schrad.	Summer-cypress	Kochia	Chenopodiaceae
KOELERIA MACRANTHA	(Ledeb.) J.A.	Junegrass (p. 761)	Koeleria	Poaceae
KRASCHENINNIKOVIA LANATA	(Pursh) Guld	White sage, winter fat	Krascheninnikovia	Chenopodiaceae
KRIGIA BIFLORA	(Walt.) Blake	Orange dwarf dandelion	Krigia	Asteraceae
KRIGIA CESPITOSA	(Raf.) Cham	Sunflower	Krigia	Asteraceae
KRIGIA VIRGINICA	(L.) Willd.	Virginia dwarf dandelion	Krigia	Asteraceae
KUHNIA EUPATORIOIDES var. CORYMBUL	T. & G.	False boneset	Kuhnia	Asteraceae
KUMMEROWIA STIPULACEA	(Maxim.) Ma	Korean clover	Kummerowia	Fabaceae
KUMMEROWIA STRIATA	(Thunb.) Sc	Japanese clover	Kummerowia	Fabaceae
KYLLINGA PUMILA	Michx.	Sedge	Kyllinga	Cyperaceae
LACTUCA BIENNIS	(Moench) Fe	Tall blue lettuce	Lactuca	Asteraceae
LACTUCA CANADENSIS	L.	Tall lettuce	Lactuca	Asteraceae

LACTUCA CANADENSIS var. LATIFOLIA	Kuntze	Tall lettuce	Lactuca	Asteraceae
LACTUCA FLORIDANA	(L.) Gaertn.	Woodland lettuce	Lactuca	Asteraceae
LACTUCA HIRSUTA	Muhl. ex Nutt	Hairy tall lettuce	Lactuca	Asteraceae
LACTUCA LUDOVICIANA	(Nutt.) Ridde	Prairie lettuce	Lactuca	Asteraceae
LACTUCA OBLONGIFOLIA	Nutt.	Blue lettuce	Lactuca	Asteraceae
LACTUCA SALIGNA	L.	Willowleaf-lettuce	Lactuca	Asteraceae
LACTUCA SERRIOLA	L.	Prickly lettuce	Lactuca	Asteraceae
LACTUCA SPP				
LACTUCA TATARICA var. PULCHELLA	(Pursh) Breit	Blue lettuce	Lactuca	Asteraceae
LAMIUM AMPLEXICAULE	L.	Henbit	Lamium	Lamiaceae
LAMIUM PURPUREUM	L.	Red dead nettle	Lamium	Lamiaceae
LAPORTEA CANADENSIS	(L.) Weddell	Nettle	Laportea	Urticaceae
LAPPULA CENCHRUSOIDES	A. Nels.	Stickseed, beggar's lice	Lappula	Boraginaceae
LAPPULA OCCIDENTALIS var. CUPULATA	(Gray) Higgi	Western stickseed	Lappula	Boraginaceae
LAPPULA OCCIDENTALIS var. OCCIDENTA	(S. Wats.) G	Western stickseed	Lappula	Boraginaceae
LAPPULA SQUARROSA	(Retz.) Dum	Two-row stickseed	Lappula	Boraginaceae
LAPSANA COMMUNIS	L.	Nipplewort	Lapsana	Asteraceae
LARIX LARICINA	(Du Roi) K.	Tamarack	Larix	Pinaceae
LATHYRUS JAPONICUS	Willd.	Beach pea	Lathyrus	Fabaceae
LATHYRUS JAPONICUS var. MARITIMUS	(L.) Kartesz	Beach pea	Lathyrus	Fabaceae
LATHYRUS LATIFOLIUS	L.	Everlasting pea	Lathyrus	Fabaceae
LATHYRUS OCHROLEUCUS	Hook.	White pea	Lathyrus	Fabaceae
LATHYRUS PALUSTRIS	L.	Marsh pea	Lathyrus	Fabaceae
LATHYRUS POLYMORPHUS	Nutt.	Vetchling, wild pea	Lathyrus	Fabaceae
LATHYRUS PRATENSIS	L.	Meadow pea	Lathyrus	Fabaceae
LATHYRUS SYLVESTRIS	L.	Everlasting pea	Lathyrus	Fabaceae
LATHYRUS VENOSUS	Muhl. ex Will	Forest pea	Lathyrus	Fabaceae
LEAF LITTER				
LECHEA INTERMEDIA	Leggett ex B	Pinweed	Lechea	Cistaceae
LECHEA MINOR	L.	Pinweed	Lechea	Cistaceae
LECHEA MUCRONATA	Raf.	Pinweed	Lechea	Cistaceae
LECHEA PULCHELLA var. PULCHELLA	Raf.	Pinweed	Lechea	Cistaceae
LECHEA STRICTA	Leggett ex B	Pinweed	Lechea	Cistaceae
LECHEA TENUIFOLIA	Michx.	Pinweed	Lechea	Cistaceae
LEDUM GROENLANDICUM	Oeder	Labrador-tea	Ledum	Ericaceae
LEERSIA ORYZOIDES	(L.) Sw.	Rice cut-grass	Leersia	Poaceae
LEERSIA VIRGINICA	Willd.	White grass	Leersia	Poaceae
LEMNA MINOR	L.	Lesser duckweed	Lemna	Lemnaceae
LEMNA TRISULCA	L.	Star duckweed	Lemna	Lemnaceae
LEONTODON TARAXACOIDES	(Vill.) Merat	Little hawkbit	Leontodon	Asteraceae
LEONURUS CARDIACA	L.	Motherwort, lion's tail	Leonurus	Lamiaceae
LEPIDIUM CAMPESTRE	(L.) R. Br.	Field-cress	Lepidium	Brassicaceae
LEPIDIUM DENSIFLORUM	Schrad.	Prairie-pepperweed	Lepidium	Brassicaceae
LEPIDIUM LATIFOLIUM	L.		Lepidium	Brassicaceae
LEPIDIUM RUDERALE	L.	Stinking pepperweed	Lepidium	Brassicaceae
LEPIDIUM VIRGINICUM	L.	Poor-man's pepper	Lepidium	Brassicaceae
LEPTOCHLOA FASCICULARIS	(Lam.) Gray	Sprangletop	Leptochloa	Poaceae
LEPTODACTYLON CAESPITOSUM	Nutt.	Polemonium	Leptodactylon	Polemoniaceae
LESPEDEZA CAPITATA	Michx.	Bush-clover	Lespedeza	Fabaceae
LESPEDEZA CUNEATA	(Dum.-Cours	Chinese lespedeza	Lespedeza	Fabaceae
LESPEDEZA HIRTA	(L.) Hornem.	Hairy lespedeza	Lespedeza	Fabaceae
LESPEDEZA INTERMEDIA	(S. Wats.) B	Wand lespedeza	Lespedeza	Fabaceae
LESPEDEZA PROCUMBENS	Michx.	Downy trailing lespedeza	Lespedeza	Fabaceae
LESPEDEZA STUEVEI	Nutt.	Velvety lespedeza	Lespedeza	Fabaceae
LESPEDEZA VIOLACEA	(L.) Pers.	Violet lespedeza	Lespedeza	Fabaceae
LESPEDEZA VIRGINICA	(L.) Britt.	Virginia lespedeza	Lespedeza	Fabaceae
LESQUERELLA ALPINA	(Nutt.) S. W	Bladderpod	Lesquerella	Brassicaceae
LESQUERELLA FILIFORMIS	Rollins	Bladderpod	Lesquerella	Brassicaceae
LESQUERELLA LUDOVICIANA	(Nutt.) S. W	Mustard	Lesquerella	Brassicaceae
LEUCANTHEMUM VULGARE	Lam.	Ox-eye daisy	Leucanthemum	Asteraceae
LEUCOCRINUM MONTANUM	Nutt. ex Gra	Mountain lily	Leucocrinum	Liliaceae
LEUCOJUM AESTIVUM	L.	Snowflake	Leucojum	Liliaceae
LEUCOPHYSALIS GRANDIFLORA	(Hook.) Ryd	White-flowered ground-che	Leucophysalis	Solanaceae
LEUCOSPORA MULTIFIDA	(Michx.) Nutt	Figwort	Leucospora	Scrophulariaceae
LEYMUS ARENARIUS	(L.) Hochst.	Lyme-grass	Leymus	Poaceae
LEYMUS MOLLIS ssp. MOLLIS	(Trin.) Hara	American dunegrass	Leymus	Poaceae
LIATRIS ASPERA	Michx.	Lacerate blazing star	Liatris	Asteraceae
LIATRIS CYLINDRACEA	Michx.	Few-headed blazing star	Liatris	Asteraceae
LIATRIS LIGULISTYLIS	(A. Nels.) K.	Northern plains blazing sta	Liatris	Asteraceae
LIATRIS PUNCTATA	Hook.	Blazing star, gay feather	Liatris	Asteraceae
LIATRIS PYCNOSTACHYA	Michx.	Thick-spike blazing star	Liatris	Asteraceae
LIATRIS SCARIOSA	(L.) Willd.	Northern blazing star	Liatris	Asteraceae
LIATRIS SPICATA	(L.) Willd.	Sessile blazing star	Liatris	Asteraceae
LIATRIS SPP				

LIATRIS SQUARRULOSA	(L.) Michx.	Plains blazing star	Liatris	Asteraceae
LIGUSTICUM CANADENSE	(L.) Britt.	Nondo, angelico	Ligusticum	Apiaceae
LIGUSTRUM OBTUSIFOLIUM	Sieb. & Zucc	Lovage	Ligustrum	Oleaceae
LIGUSTRUM VULGARE	L.	Lovage	Ligustrum	Oleaceae
LILIUM CANADENSE	L.	Wild yellow lily	Lilium	Liliaceae
LILIUM LANCIFOLIUM	Thunb.	Tiger-lily	Lilium	Liliaceae
LILIUM MICHIGANENSE	Farw.	Michigan-lily	Lilium	Liliaceae
LILIUM PHILADELPHICUM	L.	Wood-lily	Lilium	Liliaceae
LILIUM PHILADELPHICUM var. ANDINUM	(Nutt.) Ker-	Wood-lily	Lilium	Liliaceae
LIMOSELLA AQUATICA	L.	Northern mudroot	Limosella	Scrophulariaceae
LINARIA VULGARIS	P. Mill.	Butter-and-eggs	Linaria	Scrophulariaceae
LINDERA BENZOIN	(L.) Blume	Laurel	Lindera	Lauraceae
LINDERNIA DUBIA	(L.) Pennell	False pimpernel	Lindernia	Scrophulariaceae
LINDERNIA DUBIA var. ANAGALLIDEA	(Michx.) Coo	False pimpernel	Lindernia	Scrophulariaceae
LINNAEA BOREALIS	L.	Twinflower	Linnaea	Caprifoliaceae
LINNAEA BOREALIS ssp. LONGIFLORA	(Torr.) Hulte	Twinflower	Linnaea	Caprifoliaceae
Linum compactum	A. Nels.	Wyoming flax		Linaceae
LINUM MEDIUM var. TEXANUM	(Planch.) Fe	Common yellow flax	Linum	Linaceae
LINUM RIGIDUM	Pursh	Stiffstem yellow flax	Linum	Linaceae
LINUM STRIATUM	Walt.	Ridgestem yellow flax	Linum	Linaceae
LINUM SULCATUM	Riddell	Grooved yellow flax	Linum	Linaceae
LINUM USITATISSIMUM	L.	Common flax	Linum	Linaceae
LINUM VIRGINIANUM	L.	Virginia yellow flax	Linum	Linaceae
LIPARIS LILIIFOLIA	(L.) L.C. Ric	Large twayblade, mauve sl	Liparis	Orchidaceae
LIPARIS LOESELII	(L.) L.C. Ric	Loesel's twayblade, fen-or	Liparis	Orchidaceae
LIPOCARPHA DRUMMONDII	(Nees) G. T	Sedge	Lipocarpha	Cyperaceae
LIPOCARPHA MICRANTHA	(Vahl) G. Tu	Sedge	Lipocarpha	Cyperaceae
LIQUIDAMBAR STYRACIFLUA	L.	Sweet gum, red gum	Liquidambar	Hamamelidaceae
LIRIODENDRON TULIPIFERA	L.	Tulip tree, Yellow poplar	Liriodendron	Magnoliaceae
LISTERA AURICULATA	Wieg.	Auricled twayblade	Listera	Orchidaceae
LISTERA CONVALLARIOIDES	(Sw.) Nutt. e	Broad-leaved twayblade	Listera	Orchidaceae
LISTERA CORDATA	(L.) R. Br.	Heart-leaved twayblade	Listera	Orchidaceae
LISTERA VELTMANII	Case	Broad-leaved twayblade	Listera	Orchidaceae
LITHOSPERMUM CANESCENS	(Michx.) Leh	Hoary puccoon	Lithospermum	Boraginaceae
LITHOSPERMUM CAROLINIENSE	(Walt. ex J.F	Plains puccoon	Lithospermum	Boraginaceae
LITHOSPERMUM INCISUM	Lehm.	Narrow-leaved puccoon	Lithospermum	Boraginaceae
LITHOSPERMUM OFFICINALE	L.	Stoneseed, gromwell, pucc	Lithospermum	Boraginaceae
LITTORELLA AMERICANA	Fern.	Plantain	Littorella	Plantaginaceae
LOBELIA CARDINALIS	L.	Cardinal-flower	Lobelia	Campanulaceae
LOBELIA DORTMANNIA	L.	Water lobelia	Lobelia	Campanulaceae
LOBELIA INFLATA	L.	Indian tobacco	Lobelia	Campanulaceae
LOBELIA KALMII	L.	Lobelia	Lobelia	Campanulaceae
LOBELIA SIPHILITICA	L.	Lobelia	Lobelia	Campanulaceae
LOBELIA SPICATA	Lam.	Spiked lobelia	Lobelia	Campanulaceae
LOLIUM PERENNE	L.	Ryegrass	Lolium	Poaceae
LOLIUM PERENNE ssp. MULTIFLORUM	(Lam.) Husn	Ryegrass	Lolium	Poaceae
LOLIUM PERENNE ssp. PERENNE	L.	Perrenial Ryegrass	Lolium	Poaceae
LOLIUM TEMULENTUM	L.	Grass	Lolium	Poaceae
LOMATIUM FOENICULACEUM	(Nutt.) Coult.	Yellow wild parsley	Lomatium	Apiaceae
LOMATIUM NUTTALLII	(Gray) J.F.	Dog parsley	Lomatium	Apiaceae
LOMATIUM ORIENTALE	Coult. & Ros	White wild parsley	Lomatium	Apiaceae
LONICERA BELLA	Zabel	Honeysuckle	Lonicera	Caprifoliaceae
LONICERA CAERULEA	L.	Waterberry	Lonicera	Caprifoliaceae
LONICERA CANADENSIS	Bartr.	Fly-honeysuckle	Lonicera	Caprifoliaceae
LONICERA DIOICA	L.	Wild honeysuckle	Lonicera	Caprifoliaceae
LONICERA DIOICA var. GLAUDESCENS	(Rydb.) Butt	Wild honeysuckle	Lonicera	Caprifoliaceae
LONICERA FLAVA	Sims	Yellow honeysuckle	Lonicera	Caprifoliaceae
LONICERA HIRSUTA	Eat.	Hairy honeysuckle	Lonicera	Caprifoliaceae
LONICERA INVOLUCRATA	Banks ex Sp	Bearberry-honeysuckle	Lonicera	Caprifoliaceae
LONICERA JAPONICA	Thunb.	Japanese honeysuckle	Lonicera	Caprifoliaceae
LONICERA MORROWII	Gray	Honeysuckle	Lonicera	Caprifoliaceae
LONICERA OBLONGIFOLIA	(Goldie) Hoo	Swamp fly-honeysuckle	Lonicera	Caprifoliaceae
LONICERA RETICULATA	Raf.	Honeysuckle	Lonicera	Caprifoliaceae
LONICERA SEMPERVIRENS	L.	Trumpet-honeysuckle	Lonicera	Caprifoliaceae
LONICERA TATARICA	L.	Tartarian honeysuckle	Lonicera	Caprifoliaceae
LONICERA XYLOSTEUM	L.	European fly-honeysuckle	Lonicera	Caprifoliaceae
LOTUS CORNICULATUS	L.	Birdsfoot-trefoil	Lotus	Fabaceae
LOTUS UNIFOLIOLATUS var. UNIFOLIOLAT	(Hook.) Bent	Bird's foot trefoil, Ground h	Lotus	Fabaceae
LUDWIGIA ALTERNIFOLIA	L.	Square-pod water-primros	Ludwigia	Onagraceae
LUDWIGIA PALUSTRIS	(L.) Ell.	Common water-purslane	Ludwigia	Onagraceae
LUDWIGIA POLYCARPA	Short & Pete	Top-pod water-primrose	Ludwigia	Onagraceae
LUDWIGIA SPHAEROCARPA	Ell.	Round-pod water-primrose	Ludwigia	Onagraceae
LUNARIA ANNUA	L.	Honesty	Lunaria	Brassicaceae

LUPINUS PERENNIS	L.	Sundial lupine	Lupinus	Fabaceae
LUPINUS PLATTENSIS	S. Wats.	Lupine	Lupinus	Fabaceae
LUPINUS PUSILLUS	Pursh	Lupine	Lupinus	Fabaceae
LUZULA ACUMINATA	Raf.	Wood-rush	Luzula	Juncaceae
LUZULA ACUMINATA var. CAROLINAE	(S. Wats.) F	Wood-rush	Luzula	Juncaceae
LUZULA CAMPESTRIS	(L.) DC.	Wood-rush	Luzula	Juncaceae
LUZULA CONGESTA	(Thuill.) Lej.	Wood-rush	Luzula	Juncaceae
LUZULA ECHINATA	(Small) F.J.	Wood-rush	Luzula	Juncaceae
LUZULA MULTIFLORA	(Ehrh.) Lej.	Wood-rush	Luzula	Juncaceae
LUZULA PARVIFLORA	(Ehrh.) Desv	Wood-rush	Luzula	Juncaceae
LYCHNIS CHALCEDONICA	L.	Scarlet lychnis, Maltese cr	Lychnis	Caryophyllaceae
LYCHNIS CORONARIA	(L.) Desr.	Mullein-pink	Lychnis	Caryophyllaceae
LYCIUM BARBARUM	L.	Matrimony vine	Lycium	Solanaceae
LYCOPODIELLA INUNDATA	(L.) Holub	Bog clubmoss	Lycopodiella	Lycopodiaceae
LYCOPODIUM ANNOTINUM	L.	Stiff clubmoss	Lycopodium	Lycopodiaceae
LYCOPODIUM CLAVATUM	L.	Running pine	Lycopodium	Lycopodiaceae
LYCOPODIUM COMPLANATUM	L.	Northern ground-cedar	Lycopodium	Lycopodiaceae
LYCOPODIUM DENDROIDEUM	Michx.	Clubmoss	Lycopodium	Lycopodiaceae
LYCOPODIUM DIGITATUM	Dill. ex A. Br	Southern ground-cedar	Lycopodium	Lycopodiaceae
LYCOPODIUM OBSCURUM	L.	Princess-pine, ground-pine	Lycopodium	Lycopodiaceae
LYCOPODIUM TRISTACHYUM	Pursh	Wiry ground-cedar	Lycopodium	Lycopodiaceae
LYCOPUS AMERICANUS	Muhl. ex W.	American water-horehound	Lycopus	Lamiaceae
LYCOPUS ASPER	Greene	Western water-horehound	Lycopus	Lamiaceae
LYCOPUS RUBELLUS	Moench	Stalked water-horehound	Lycopus	Lamiaceae
LYCOPUS UNIFLORUS	Michx.	Northern water-horehound	Lycopus	Lamiaceae
LYCOPUS VIRGINICUS	L.	Virginia water-horehound	Lycopus	Lamiaceae
LYGODESMIA JUNCEA	(Pursh) D. D	Skeleton-weed	Lygodesmia	Asteraceae
LYSIMACHIA CILIATA	L.	Fringed loosestrife	Lysimachia	Primulaceae
LYSIMACHIA HYBRIDA	Michx.	Mississippi-valley loosestrife	Lysimachia	Primulaceae
LYSIMACHIA LANCEOLATA	Walt.	Lance-leaved loosestrife	Lysimachia	Primulaceae
LYSIMACHIA NUMMULARIA	L.	Moneywort	Lysimachia	Primulaceae
LYSIMACHIA QUADRIFLORA	Sims	Smooth loosestrife	Lysimachia	Primulaceae
LYSIMACHIA QUADRIFOLIA	L.	Whorled loosestrife	Lysimachia	Primulaceae
LYSIMACHIA TERRESTRIS	(L.) B.S.P.	Bulbil-loosestrife	Lysimachia	Primulaceae
LYSIMACHIA THYRSIFLORA	L.	Swamp-loosestrife	Lysimachia	Primulaceae
LYTHRUM ALATUM	Pursh	Winged loosestrife	Lythrum	Lythraceae
LYTHRUM SALICARIA	L.	Purple loosestrife	Lythrum	Lythraceae
MACHAERANTHERA CANESCENS	(Pursh) Gray	Hoary aster	Machaeranthera	Asteraceae
MACHAERANTHERA CANESCENS ssp. CA	(Pursh) Gray	Hoary aster	Machaeranthera	Asteraceae
MACHAERANTHERA PINNATIFIDA ssp. PIN	(Hook.) Shin	Aster	Machaeranthera	Asteraceae
MACHAERANTHERA TANACETIFOLIA	(Kunth) Nee	Tansy aster, Tahoka daisy	Machaeranthera	Asteraceae
MACLURA POMIFERA	(Raf.) Schne	Osage-orange	Maclura	Moraceae
MAGNOLIA ACUMINATA	(L.) L.	Cucumber-tree	Magnolia	Magnoliaceae
MAHONIA AQUIFOLIUM	(Pursh) Nutt.	Oregon grape	Mahonia	Berberidaceae
MAIANTHEMUM CANADENSE	Desf.	Canada mayflower/Wild lily	Maianthemum	Liliaceae
MAIANTHEMUM RACEMOSUM ssp. RACEM	(L.) Link	False/Wild lily-of-the-valley	Maianthemum	Liliaceae
MAIANTHEMUM STELLATUM	(L.) Link	False/Wild lily-of-the-valley	Maianthemum	Liliaceae
MAIANTHEMUM TRIFOLIUM	(L.) Sloboda	False/Wild lily-of-the-valley	Maianthemum	Liliaceae
MALAXIS BRACHYPODA	(Gray) Fern.	White adder's-mouth	Malaxis	Orchidaceae
MALAXIS UNIFOLIA	Michx.	Green adder's-mouth	Malaxis	Orchidaceae
MALUS BACCATA	(L.) Borkh.	Siberian crab-apple	Malus	Rosaceae
MALUS CORONARIA	(L.) P. Mill.	Sweet crab-apple	Malus	Rosaceae
MALUS IOENSIS	(Wood) Britt.	Prairie crab-apple	Malus	Rosaceae
MALUS PUMILA	P. Mill.	Apple, crab-apple, pear	Malus	Rosaceae
MALUS SYLVESTRIS	(L.) P. Mill.	Apple, crab-apple, pear	Malus	Rosaceae
MALVA MOSCHATA	L.	Musk-mallow	Malva	Malvaceae
MALVA NEGLECTA	Wallr.	Common mallow, cheeses	Malva	Malvaceae
MALVASTRUM HISPIDUM	(Pursh) Hoc	Mallow	Malvastrum	Malvaceae
MANFREDIA VIRGINICA	(L.) Salisb. e	False aloe	Manfredia	Agavaceae
MARRUBIUM VULGARE	L.	Horehound	Marrubium	Lamiaceae
MARSILEA VESTITA	Hook. & Gre	Hairy water-clover	Marsilea	Marsileaceae
MATELEA BALDWINIANA	(Sweet) Wo	Climbing milkweed	Mateleia	Asclepiadaceae
MATELEA OBLIQUA	(Jacq.) Woo	Milkweed	Mateleia	Asclepiadaceae
MATRICARIA DISCOIDEA	D.C.	Disc mayweed	Matricaria	Asteraceae
MATRICARIA MARITIMA	L.	Scentless chamomile	Matricaria	Asteraceae
MATTEUCCIA STRUTHIOPTERIS	(L.) Todaro	Ostrich-fern	Matteuccia	Dryopteridaceae
MEDEOLA VIRGINIANA	L.	Indian cucumber-root	Medeola	Liliaceae
MEDICAGO LUPULINA	L.	Black medick	Medicago	Fabaceae
MEDICAGO SATIVA	L.	Alfalfa	Medicago	Fabaceae
MEDICAGO SATIVA ssp. FALCATA	(L.) Arcang.	Yellow alfalfa	Medicago	Fabaceae
MEGALODONTA BECKII	(Torr. ex Spr	Water beggar-ticks	Megalodonta	Asteraceae
MELAMPYRUM LINEARE	Desr.	Cow wheat	Melampyrum	Scrophulariaceae
MELAMPYRUM LINEARE var. LATIFOLIUM	Bart.	Cow wheat	Melampyrum	Scrophulariaceae
MELANTHIUM WOODII	(J.W. Robbi	Bunch flower	Melanthium	Liliaceae

MELICA INTENS	(Scnbn.) Nut	Three-flower melic	Melica	Poaceae
MELICA SMITHII	(Porter ex G	Awmed melic	Melica	Poaceae
MELILOTUS ALBUS	Medik.	White sweet clover	Melilotus	Fabaceae
MELILOTUS OFFICINALIS	(L.) Lam.	Yellow sweet clover	Melilotus	Fabaceae
MELILOTUS SPP				
MELISSA OFFICINALIS	L.	Common or lemon balm	Melissa	Lamiaceae
MENISPERMUM CANADENSE	L.	Moonseed	Menispermum	Menispermaceae
MENTHA ARVENSIS	L.	Field mint	Mentha	Lamiaceae
MENTHA CANADENSIS	L.	Field mint	Mentha	Lamiaceae
MENTHA PIPERITA	L. (pro sp.)	Peppermint	Mentha	Lamiaceae
MENTHA SPICATA	L.	Spearmint	Mentha	Lamiaceae
MENTZELIA ALBICAULIS	(Hook.) T. &	Whitestem blazingstar	Mentzelia	Loasaceae
MENTZELIA DECAPETALA	(Pursh ex Si	Sand-lily, evening star	Mentzelia	Loasaceae
MENTZELIA NUDA	(Pursh) Torr.	Blazing star, Sand lily, Stic	Mentzelia	Loasaceae
MENTZELIA OLIGOSPERMA	Nutt. ex Sim	Stickleaf	Mentzelia	Loasaceae
MENYANTHES TRIFOLIATA	L.	Buckbean	Menyanthes	Menyanthaceae
MERTENSIA PANICULATA	(Ait.) G. Don	Northern bluebell	Mertensia	Boraginaceae
MERTENSIA VIRGINICA	(L.) Pers. ex	Eastern bluebell	Mertensia	Boraginaceae
MILIUM EFFUSUM	L.	Grass	Milium	Poaceae
MIMULUS ALATUS	Ait.	Sharpwing monkey-flower	Mimulus	Scrophulariaceae
MIMULUS GLABRATUS	Kunth	Round-leaf monkey-flower	Mimulus	Scrophulariaceae
MIMULUS GLABRATUS var. FREMONTII	(Benth.) A.L.	Round-leaf monkey-flower	Mimulus	Scrophulariaceae
MIMULUS GLABRATUS var. MICHIGANENSIS	(Pennell) Fa	Round-leaf monkey-flower	Mimulus	Scrophulariaceae
MIMULUS MOSCHATUS	Dougl. ex Li	Musky monkey-flower	Mimulus	Scrophulariaceae
MIMULUS RINGENS	L.	Allegheny monkey-flower	Mimulus	Scrophulariaceae
MINUARTIA MICHAUXII	(Fenzl) Farw	Sandwort	Minuartia	Caryophyllaceae
MINUARTIA PATULA	(Michx.) Mat	Sandwort	Minuartia	Caryophyllaceae
MIRABILIS ALBIDA	(Walt.) Heim	Pale umbrella-wort	Mirabilis	Nyctaginaceae
MIRABILIS HIRSUTA	(Pursh) Mac	Hairy umbrella-wort	Mirabilis	Nyctaginaceae
MIRABILIS LINEARIS	(Pursh) Hei	Narrow-leaved umbrella-w	Mirabilis	Nyctaginaceae
MIRABILIS NYCTAGINEA	(Michx.) Mac	Heart-leaved umbrella-wor	Mirabilis	Nyctaginaceae
MITCHELLA REPENS	L.	Partridge-berry	Mitchella	Rubiaceae
MITELLA DIPHYLLA	L.	Two-leaved mitrewort	Mitella	Saxifragaceae
MITELLA NUDA	L.	Naked mitrewort	Mitella	Saxifragaceae
MOEHRINGIA LATERIFLORA	(L.) Fenzl	Sandwort	Moehringia	Caryophyllaceae
MOEHRINGIA MACROPHYLLA	(Hook.) Fen	Sandwort	Moehringia	Caryophyllaceae
MOLLUGO VERTICILLATA	L.	Carpet-weed	Mollugo	Molluginaceae
MONARDA CITRIODORA	Cerv. ex Lag	Lemon bee-balm	Monarda	Lamiaceae
MONARDA DIDYMA	L.	Oswego-tea	Monarda	Lamiaceae
MONARDA FISTULOSA	L.	Wild bergamot	Monarda	Lamiaceae
MONARDA FISTULOSA ssp. FISTULOSA var.	(L.) Benth.	Wild bergamot	Monarda	Lamiaceae
MONARDA PECTINATA	Nutt.	Bee-balm	Monarda	Lamiaceae
MONARDA PUNCTATA	L.	Horse-mint	Monarda	Lamiaceae
MONARDA RUSSELIANA	Nutt. ex Sim	Bee-balm	Monarda	Lamiaceae
MONESES UNIFLORA	(L.) Gray	One-flowered shinleaf	Moneses	Pyrolaceae
MONESES UNIFLORA ssp. UNIFLORA	(L.) Gray	One-flowered shinleaf	Moneses	Pyrolaceae
MONOLEPIS NUTTALLIANA	(J.A. Schulte	Poverty weed	Monolepis	Chenopodiaceae
MONOTROPA HYPOPTHYS	L.	Pinesap	Monotropa	Monotropaceae
MONOTROPA UNIFLORA	L.	Indian pipe	Monotropa	Monotropaceae
MONROA SQUARROSA	(Nutt.) Torr.	False buffalo grass	Monroa	Poaceae
MORUS ALBA	L.	White mulberry	Morus	Moraceae
MORUS RUBRA	L.	Red mulberry	Morus	Moraceae
MUHLENBERGIA ASPERIFOLIA	(Nees & Me	Scratchgrass, alkali muhly	Muhlenbergia	Poaceae
MUHLENBERGIA BUSHII	Pohl	Muhly	Muhlenbergia	Poaceae
MUHLENBERGIA CUSPIDATA	(Torr. ex Ho	Muhly	Muhlenbergia	Poaceae
MUHLENBERGIA FRONDOSA	(Poir.) Fern.	Muhly	Muhlenbergia	Poaceae
MUHLENBERGIA GLABRIFLORIS	Scribn.	Muhly	Muhlenbergia	Poaceae
MUHLENBERGIA GLOMERATA	(Willd.) Trin.	Marsh muhly	Muhlenbergia	Poaceae
MUHLENBERGIA MEXICANA	(L.) Trin.	Wirestem muhly	Muhlenbergia	Poaceae
MUHLENBERGIA PUNGENS	Thurb.	Muhly	Muhlenbergia	Poaceae
MUHLENBERGIA RACEMOSA	(Michx.) B.S.	Muhly	Muhlenbergia	Poaceae
MUHLENBERGIA RICHARDSONIS	(Trin.) Rydb.	Mat-muhly	Muhlenbergia	Poaceae
MUHLENBERGIA SCHREBERI	J.F. Gmel.	Nimblewill	Muhlenbergia	Poaceae
MUHLENBERGIA SOBOLIFERA	(Muhl. ex Wi	Muhly	Muhlenbergia	Poaceae
MUHLENBERGIA SPP				
MUHLENBERGIA SYLVATICA	Torr. ex Gra	Forest muhly	Muhlenbergia	Poaceae
MUHLENBERGIA TENUIFLORA	(Willd.) B.S.	Muhly	Muhlenbergia	Poaceae
MUHLENBERGIA UNIFLORA	(Muhl.) Fern.	Muhly	Muhlenbergia	Poaceae
MUSCARI BOTRYOIDES	(L.) P. Mill.	Grape hyacinth	Muscari	Liliaceae
MUSCARI NEGLECTUM	Guss. ex Te	Blue-bottle	Muscari	Liliaceae
MUSINEON TENUIFOLIUM	(Nutt. ex Tor	Parsley	Musineon	Apiaceae
MYOSOTIS LAXA	Lehm.	Smaller forget-me-not	Myosotis	Boraginaceae
MYOSOTIS MICRANTHA	Pallas ex Le	Blue scorpion-grass	Myosotis	Boraginaceae
MYOSOTIS SCORPIOIDES	L.	Water scorpion-grass	Myosotis	Boraginaceae

MYOSOTIS SYLVATICA	Ehrh. ex Hof	Garden forget-me-not	Myosotis	Boraginaceae
MYOSOTIS VERNA	Nutt.	Early scorpion grass	Myosotis	Boraginaceae
MYOSOTON AQUATICUM	(L.) Moench	Chickweed	Myosoton	Caryophyllaceae
MYOSURUS MINIMUS	L.	Mouse-tail	Myosurus	Ranunculaceae
MYRICA GALE	L.	Sweet gale	Myrica	Myricaceae
MYRIOPHYLLUM ALTERNIFLORUM	DC.	Water-milfoil	Myriophyllum	Haloragaceae
MYRIOPHYLLUM HETEROPHYLLUM	Michx.	Water-milfoil	Myriophyllum	Haloragaceae
MYRIOPHYLLUM SIBIRICUM	Komarov	Common water-milfoil	Myriophyllum	Haloragaceae
MYRIOPHYLLUM SPICATUM	L.	European water-milfoil	Myriophyllum	Haloragaceae
MYRIOPHYLLUM TENELLUM	Bigelow	Water-milfoil	Myriophyllum	Haloragaceae
MYRIOPHYLLUM VERTICILLATUM	L.	Water-milfoil	Myriophyllum	Haloragaceae
MYRRHIS ODORATA	(L.) Scop.	Wooly or hairy sweet cicel	Myrrhis	Apiaceae
NAJAS FLEXILIS	(Willd.) Rost	Northern water-nymph	Najas	Najadaceae
NAJAS GRACILLIMA	(A. Braun ex	Slender water-nymph	Najas	Najadaceae
NAJAS GUADALUPENSIS	(Spreng.) M	Southern water-nymph	Najas	Najadaceae
NARCISSUS POETICUS	L.	Poet's narcissus	Narcissus	Liliaceae
NARCISSUS PSEUDONARCISSUS	L.	Daffodil	Narcissus	Liliaceae
NEMOPANTHUS MUCRONATUS	(L.) Loes.	Common mountain-holly	Nemopanthus	Aquifoliaceae
NEPETA CATARIA	L.	Catnip	Nepeta	Lamiaceae
NICOTIANA TABACUM	L.	Tobacco	Nicotiana	Solanaceae
NOTHOCALAIS CUSPIDATA	(Pursh) Gre	False dandelion	Nothocalais	Asteraceae
NOTHOSCORDUM BIVALVE	(L.) Britt.	Lily	Nothoscordum	Liliaceae
NUPHAR LUTEA ssp. ADVENA	(Ait.) Kartes	Yellow water-lily, spatterdo	Nuphar	Nymphaeaceae
NUPHAR LUTEA ssp. OZARKANA	(Mill. & Stan	Yellow water-lily, spatterdo	Nuphar	Nymphaeaceae
NUPHAR LUTEA ssp. PUMILA	(Timm) E.O.	Yellow water-lily, spatterdo	Nuphar	Nymphaeaceae
NUPHAR LUTEA ssp. VARIEGATA	(Dur.) E.O.	Yellow water-lily, spatterdo	Nuphar	Nymphaeaceae
NUTTALANTHUS CANADENSIS	(L.) D.A. Sut	Annual toadflax	Nuttalanthus	Scrophulariaceae
NUTTALANTHUS TEXANUS	(Scheele) D.	Texas toadflax	Nuttalanthus	Scrophulariaceae
NYMPHAEA ODORATA	Ait.	Water-lily	Nymphaea	Nymphaeaceae
NYMPHAEA ODORATA VAR. ODORATA	Ait.	Water-lily	Nymphaea	Nymphaeaceae
NYMPHAEA TETRAGONA	Georgi	Pygmy water-lily	Nymphaea	Nymphaeaceae
NYSSA SYLVATICA	Marsh.	Black tupelo, black gum	Nyssa	Nyssaceae
OBOLARIA VIRGINICA	L.	Pennywort	Obolaria	Gentianaceae
OENOTHERA ALBICAULIS	Pursh	Evening-primrose	Oenothera	Onagraceae
OENOTHERA BIENNIS	L.	Common evening-primros	Oenothera	Onagraceae
OENOTHERA CANESCENS	Torr. & Frem	Common evening-primros	Oenothera	Onagraceae
OENOTHERA CESPITOSA	Nutt.	Evening-primrose	Oenothera	Onagraceae
OENOTHERA FRUTICOSA	L.	Southern sundrops	Oenothera	Onagraceae
OENOTHERA FRUTICOSA ssp. GLAUCA	(Michx.) Stra	Southern sundrops	Oenothera	Onagraceae
OENOTHERA LACINIATA	Hill	Cut-leaf evening-primrose	Oenothera	Onagraceae
OENOTHERA LINIFOLIA	Nutt.	Thread-leaf sundrops	Oenothera	Onagraceae
OENOTHERA MACROCARPA	Nutt.	Wing-fruit evening-primros	Oenothera	Onagraceae
OENOTHERA TUTTALLII	Sweet	White-stemmed evening-p	Oenothera	Onagraceae
OENOTHERA OAKESIANA	(Gray) J.W.	Small-flowered evening-pri	Oenothera	Onagraceae
OENOTHERA PARVIFLORA	L.	Small-flowered evening-pri	Oenothera	Onagraceae
OENOTHERA PERENNIS	L.	Little sundrops	Oenothera	Onagraceae
OENOTHERA PILOSELLA	Raf.	Midwestern sundrops	Oenothera	Onagraceae
OENOTHERA RHOMBIPETALA	Nutt. ex Torr	Longspike evening-primros	Oenothera	Onagraceae
OENOTHERA SPECIOSA	Nutt.	White evening-primrose	Oenothera	Onagraceae
OENOTHERA SPP				
OENOTHERA TRILOBA	Nutt.	Stemless evening-primros	Oenothera	Onagraceae
OENOTHERA VILLOSA	Thunb.	Evening-primrose	Oenothera	Onagraceae
ONOCLEA SENSIBILIS	L.	Sensitive fern	Onoclea	Dryopteridaceae
ONOSMODIUM MOLLE	Michx.	Western false gromwell	Onosmodium	Boraginaceae
ONOSMODIUM MOLLE ssp. OCCIDENTALE	(Mackenzie)	Western false gromwell	Onosmodium	Boraginaceae
ONOSMODIUM MOLLE ssp. SUBSETOSUM	(Mackenzie)	Western false gromwell	Onosmodium	Boraginaceae
OPHIOGLOSSUM ENGELMANNII	Prantl	Adder's tongue	Ophioglossum	Ophioglossaceae
OPHIOGLOSSUM PUSILLUM	Raf.	Adder's tongue	Ophioglossum	Ophioglossaceae
OPHIOGLOSSUM VULGATUM	L.	Adder's tongue	Ophioglossum	Ophioglossaceae
OPLOPANAX HORRIDUS	(Sm.) Torr.	Devil's club	Oplopanax	Araliaceae
OPUNTIA COMPRESSA var. COMPRESSA	J.F. Macbr.	Eastern prickly pear	Opuntia	Cactaceae
OPUNTIA FRAGILIS	(Nutt.) Haw.	Little prickly pear	Opuntia	Cactaceae
OPUNTIA HUMIFUSA	(Raf.) Raf.	pricklypear	Opuntia	Cactaceae
OPUNTIA MACRORHIZA	Engelm.	Plains prickly pear	Opuntia	Cactaceae
OPUNTIA POLYACANTHA	Haw.	Plains prickly pear	Opuntia	Cactaceae
ORBEXILUM PEDUNCULATUM var. PEDUN	(P. Mill.) Ryd	Sampson's snakeroot	Orbexilum	Fabaceae
ORNITHOGALUM UMBELLATUM	L.	Star of Bethlehem	Ornithogalum	Liliaceae
OROBANCHE FASCICULATA	Nutt.	Clustered broom-rape	Orobanche	Orobanchaceae
OROBANCHE LUDOVICIANA	Nutt.	Broomrape	Orobanche	Orobanchaceae
OROBANCHE UNIFLORA	L.	Cancer-root	Orobanche	Orobanchaceae
ORTHILIA SECUNDA	(L.) House	One-sided shinleaf	Orthilia	Pyrolaceae
ORTHOCARPUS LUTEUS	Nutt.	Yellow owlclover	Orthocarpus	Scrophulariaceae
ORYZOPSIS ASPERIFOLIA	Michx.	Rough-leaved ricegrass	Oryzopsis	Poaceae
ORYZOPSIS HYMENOIDES	(Roemer & J	Indian ricegrass	Oryzopsis	Poaceae

ORYZOPSIS PUNGENS	(Torr. ex Spr	Ricegrass	Oryzopsis	Poaceae
ORYZOPSIS RACEMOSA	(Sm.) Ricker	Blackseed ricegrass	Oryzopsis	Poaceae
OSMORHIZA CHILENSIS	Hook. & Arn.	Tapering sweet cicely	Osmorhiza	Apiaceae
OSMORHIZA CLAYTONII	(Michx.) C.B	Bland sweet cicely	Osmorhiza	Apiaceae
OSMORHIZA DEPAUPERATA	Phil.	Blunt sweet cicely	Osmorhiza	Apiaceae
OSMORHIZA LONGISTYLIS	(Torr.) DC.	Long-styled sweet cicely	Osmorhiza	Apiaceae
OSMUNDA CINNAMOMEA	L.	Cinnamon fern	Osmunda	Osmundaceae
OSMUNDA CLAYTONIANA	L.	Interrupted fern	Osmunda	Osmundaceae
OSMUNDA REGALIS	L.	Royal fern	Osmunda	Osmundaceae
OSMUNDA REGALIS var. SPECTABILIS	(Willd.) Gray	Royal fern	Osmunda	Osmundaceae
OSTRYA VIRGINIANA	(P. Mill.) K.	Hop-hornbeam, ironwood	Ostrya	Betulaceae
OXALIS CORNICULATA	L.	Creeping yellow wood-sorr	Oxalis	Oxalidaceae
OXALIS DILLENII	Jacq.	Southern yellow wood-sorr	Oxalis	Oxalidaceae
OXALIS GRANDIS	Small	Big yellow wood-sorrel	Oxalis	Oxalidaceae
OXALIS MONTANA	Raf.	Northern wood-sorrel	Oxalis	Oxalidaceae
OXALIS SPP				
OXALIS STRICTA	L.	Common yellow wood-sorr	Oxalis	Oxalidaceae
OXALIS VIOLACEA	L.	Violet wood-sorrel	Oxalis	Oxalidaceae
OXYPOLIS RIGIDIOR	(L.) Raf.	Common water-dropwort	Oxypolis	Apiaceae
OXYTROPIS LAMBERTII	Pursh	Purple loco-weed	Oxytropis	Fabaceae
OXYTROPIS SERICEA	Nutt.	White locoweed	Oxytropis	Fabaceae
PANAX QUINQUEFOLIUS	L.	American ginseng	Panax	Araliaceae
PANAX TRIFOLIUS	L.	Dwarf ginseng	Panax	Araliaceae
PANICUM ANCEPS	Michx.	Panic-grass	Panicum	Poaceae
PANICUM CAPILLARE	L.	Witch-grass	Panicum	Poaceae
PANICUM DICHOTOMIFLORUM	Michx.	Panic-grass	Panicum	Poaceae
PANICUM FLEXILE	(Gattinger) S	Wiry witch-grass	Panicum	Poaceae
PANICUM GATTINGERI	Nash	Witch-grass	Panicum	Poaceae
PANICUM MILIACEUM	L.	Proso millet, broomcorn mi	Panicum	Poaceae
PANICUM OBTUSUM	Kunth	Vine-mesquite	Panicum	Poaceae
PANICUM PHILADELPHICUM	Bernh. ex Tri	Panic-grass	Panicum	Poaceae
PANICUM RIGIDULUM	Bosc ex Nee	Panic-grass	Panicum	Poaceae
PANICUM SPP				
PANICUM VERRUCOSUM	Muhl.	Panic-grass	Panicum	Poaceae
PANICUM VIRGATUM	L.	Switchgrass	Panicum	Poaceae
PAPAVER ORIENTALE	L.	Oriental poppy	Papaver	Papaveraceae
PARIETARIA PENNSYLVANICA	Muhl. ex Will	Pellitory	Parietaria	Urticaceae
PARNASSIA GLAUCA	Raf.	American grass-of-Parnas	Parnassia	Saxifragaceae
PARNASSIA GRANDIFOLIA	DC.	Big-leaved grass-of-Parna	Parnassia	Saxifragaceae
PARNASSIA PALUSTRIS	L.	Arctic grass-of-Parnassus	Parnassia	Saxifragaceae
PARNASSIA PARVIFLORA	DC.	Small-flowered grass-of-P	Parnassia	Saxifragaceae
PARONYCHIA DEPRESSA	(Torr. & Gra	Whitlow-wort	Paronychia	Caryophyllaceae
PARONYCHIA FASTIGIATA	(Raf.) Fern.	Forked chickweed	Paronychia	Caryophyllaceae
PARONYCHIA SESSILIFLORA	Nutt.	nailwort	Paronychia	Caryophyllaceae
PARTHENIUM INTEGRIFOLIUM	L.	Easten parthenium	Parthenium	Asteraceae
PARTHENIUM INTEGRIFOLIUM var. HISPID	(Raf.) Mears	Ozark parthenium	Parthenium	Asteraceae
PARTHENOCISSUS QUINQUEFOLIA	(L.) Planch.	Virginia-creeper, woodbine	Parthenocissus	Vitaceae
PARTHENOCISSUS TRICUSPIDATA	(Sleb. & Zuc	Boston-ivy	Parthenocissus	Vitaceae
PARTHENOCISSUS VITACEA	(Knerr) A.S.	Grape-woodbine	Parthenocissus	Vitaceae
PASCOPYRUM SMITHII	(Rydb.) A. L	Western wheatgrass	Pascopyrum	Poaceae
PASPALUM DILATATUM	Poir.	Dallis grass	Paspalum	Poaceae
PASPALUM LAEVE var. CIRCULARE	(Nash) Ston	Bead-grass	Paspalum	Poaceae
PASPALUM LAEVE var. LAEVE	Michx.	Bead-grass	Paspalum	Poaceae
PASPALUM PUBIFLORUM var. GLABRUM	Vasey ex Sc	Bead-grass	Paspalum	Poaceae
PASPALUM SETACEUM	Michx.	Bead-grass	Paspalum	Poaceae
PASSIFLORA EDULIS	Sims	Passion-flower	Passiflora	Passifloraceae
PASSIFLORA LUTEA	L.	Passion-flower	Passiflora	Passifloraceae
PASTINACA SATIVA	L.	Parsnip	Pastinaca	Apiaceae
PAULOWNIA TOMENTOSA	(Thunb.) Sie	Empress-tree	Paulownia	Scrophulariaceae
PEBBLE				
PEDICULARIS CANADENSIS	L.	Forest-lousewort, woody-b	Pedicularis	Scrophulariaceae
PEDICULARIS LANCEOLATA	Michx.	Swamp-lousewort	Pedicularis	Scrophulariaceae
PEDIOMELUM ARGOPHYLLUM	(Pursh) J. G	Silvery scurf-pea	Pediomelum	Fabaceae
PEDIOMELUM ESCULENTUM	(Pursh) Ryd	Shaggy prairie-turnip	Pediomelum	Fabaceae
PELLAEA ATROPURPUREA	(L.) Link	Purple cliff-brake	Pellaea	Adiantaceae
PELLAEA GLABELLA	Mett. ex Kuh	Smooth cliff-brake	Pellaea	Adiantaceae
PELTANDRA VIRGINICA	(L.) Schott	Tuckahoe	Peltandra	Araceae
PENNISETUM GLAUCUM	(L.) R. Br.	Grass	Pennisetum	Poaceae
PENSTEMON ALBIDUS	Nutt.	White Beardtounge	Penstemon	Scrophulariaceae
PENSTEMON ANGUSTIFOLIUS	Nutt. ex Pur	Beard-tongue	Penstemon	Scrophulariaceae
PENSTEMON ANGUSTIFOLIUS var. CAUDA	(Heller) Ryd	Beard-tongue	Penstemon	Scrophulariaceae
PENSTEMON CALYCOSUS	Small	Eastern beard-tongue	Penstemon	Scrophulariaceae
PENSTEMON DIGITALIS	Nutt. ex Sim	Tall white beard-tongue	Penstemon	Scrophulariaceae
PENSTEMON ERIANTHERUS	Pursh	Beard-tongue	Penstemon	Scrophulariaceae

PENSTEMON GRACILIS	Nutt.	Slender beard-tongue	Penstemon	Scrophulariaceae
PENSTEMON GRANDIFLORUS	Nutt.	Large beard-tongue	Penstemon	Scrophulariaceae
PENSTEMON HIRSUTUS	(L.) Willd.	Northeastern beard-tongue	Penstemon	Scrophulariaceae
PENSTEMON PALLIDUS	Small	Eastern beard-tongue	Penstemon	Scrophulariaceae
PENSTEMON TUBIFLORUS	Nutt.	Tube beard-tongue	Penstemon	Scrophulariaceae
PENTAPHYLLOIDES FLORIBUNDA	(Pursh) A. L.	Shrubby cinquefoil	Pentaphylloides	Rosaceae
PENTHORUM SEDOIDES	L.	Ditch-stonecrop	Penthorum	Crassulaceae
PERIDERIDIA AMERICANA	(Nutt. ex DC	Carrot	Perideridia	Apiaceae
PERILLA FRUTESCENS	(L.) Britt.	Perilla-mint	Perilla	Lamiaceae
PETASITES FRIGIDUS	(L.) Fries	Northern sweet coltsfoot	Petasites	Asteraceae
PETASITES FRIGIDUS var. PALMATUS	(Ait.) Cronq.	Northern sweet coltsfoot	Petasites	Asteraceae
PETASITES SAGITTATUS	(Banks ex P	Arrowhead sweet coltsfoot	Petasites	Asteraceae
PHACELIA FRANKLINII	(R. Br.) Gray	Canadian phacelia	Phacelia	Hydrophyllaceae
PHACELIA HASTATA	Dougl. ex Le	Phacelia	Phacelia	Hydrophyllaceae
PHACELIA HASTATA var. INEBRIANS	Dougl. ex L.	Scorpionweed	Phacelia	Hydrophyllaceae
PHACELIA HIRSUTA	Nutt.	Phacelia	Phacelia	Hydrophyllaceae
PHACELIA LEPTOSEPALA	Rydb.	Phacelia	Phacelia	Hydrophyllaceae
PHACELIA PURSHII	Buckl.	Miami-mist	Phacelia	Hydrophyllaceae
PHALARIS ARUNDINACEA	L.	Reed canary-grass	Phalaris	Poaceae
PHASEOLUS POLYSTACHIOS	(L.) B.S.P.	Wild bean	Phaseolus	Fabaceae
PHEGopteris CONNECTILIS	(Michx.) Wat	Long beech-fern	Phegopteris	Thelypteridaceae
PHEGopteris HEXAGONOPTERA	(Michx.) Fee	Broad or southern beech-fern	Phegopteris	Thelypteridaceae
PHILADELPHUS CORONARIUS	L.	European mock-orange	Philadelphus	Hydrangeaceae
PHLEUM PRATENSE	L.	Timothy	Phleum	Poaceae
PHLOX ANDICOLA	E. Nels.	Phlox, Sweet William	Phlox	Polemoniaceae
PHLOX BIFIDA	Beck	Sand phlox	Phlox	Polemoniaceae
PHLOX CAROLINA	L.	Smooth phlox	Phlox	Polemoniaceae
PHLOX DIVARICATA	L.	Forest phlox	Phlox	Polemoniaceae
PHLOX DIVARICATA ssp. LAPHAMII	(Wood) Whe	Forest phlox	Phlox	Polemoniaceae
PHLOX GLABERRIMA	L.	Smooth phlox	Phlox	Polemoniaceae
PHLOX HOODII	Richards.	Phlox, Sweet William	Phlox	Polemoniaceae
PHLOX MACULATA	L.	Meadow phlox, spotted phlox	Phlox	Polemoniaceae
PHLOX PANICULATA	L.	Summer phlox	Phlox	Polemoniaceae
PHLOX PILOSA	L.	Prairie phlox	Phlox	Polemoniaceae
PHLOX PILOSA ssp. FULGIDA	(Wherry) Wh	Prairie phlox	Phlox	Polemoniaceae
PHLOX SUBULATA	L.	Moss-pink	Phlox	Polemoniaceae
PHRAGMITES AUSTRALIS	(Cav.) Trin.	Common reed	Phragmites	Poaceae
PHRYMA LEPTOSTACHYA	L.	Lopseed	Phryma	Verbenaceae
PHYLA CUNEIFOLIA	(Torr.) Gree	Fogfruit	Phyla	Verbenaceae
PHYLA LANCEOLATA	(Michx.) Gre	Fogfruit	Phyla	Verbenaceae
PHYLLANTHUS CAROLINIENSIS	Walt.	Spurge	Phyllanthus	Euphorbiaceae
PHYSALIS ANGULATA	L.	Ground cherry	Physalis	Solanaceae
PHYSALIS HEDERIFOLIA var. COMATA	(Rydb.) Wat	Ground cherry	Physalis	Solanaceae
PHYSALIS HETEROPHYLLA	Nees	Clammy ground cherry	Physalis	Solanaceae
PHYSALIS HISPIDA	(Waterfall) C	Plains-sandhill ground cherry	Physalis	Solanaceae
PHYSALIS LONGIFOLIA	Nutt.	Longflower ground cherry	Physalis	Solanaceae
PHYSALIS LONGIFOLIA var. SUBGLABRATA	(Mackenzie	Longflower ground cherry	Physalis	Solanaceae
PHYSALIS PHILADELPHICA var. IMMACULATA	Waterfall	Tomatillo	Physalis	Solanaceae
PHYSALIS PUBESCENS	L.	Downy ground cherry	Physalis	Solanaceae
PHYSALIS PUBESCENS var. INTEGRIFOLIA	(Dunal) Wat	Downy ground cherry	Physalis	Solanaceae
PHYSALIS PUMILA	Nutt.	Prairie ground cherry	Physalis	Solanaceae
PHYSALIS SPP				
PHYSALIS VIRGINIANA	P. Mill.	Virginia ground cherry	Physalis	Solanaceae
PHYSARIA BRASSICOIDES	Rydb.	Double bladderpod	Physaria	Brassicaceae
PHYSOCARPUS OPULIFOLIUS	(L.) Maxim.	Ninebark	Physocarpus	Rosaceae
PHYSOCARPUS OPULIFOLIUS var. INTERMEDIUS	(Rydb.) B.L.	Ninebark	Physocarpus	Rosaceae
PHYSOSTEGIA PARVIFLORA	Nutt. ex Gra	Western obedience	Physostegia	Lamiaceae
PHYSOSTEGIA VIRGINIANA	(L.) Benth.	Obedience	Physostegia	Lamiaceae
PHYTOLACCA AMERICANA	L.	Pokeweed, pokeberry	Phytolacca	Phytolaccaceae
PICEA ABIES	(L.) Karst.	Norway spruce	Picea	Pinaceae
PICEA GLAUCA	(Moench) Vo	White spruce	Picea	Pinaceae
PICEA MARIANA	(P. Mill.) B.S	Black spruce	Picea	Pinaceae
PICEA PUNGENS	Engelm.	Blue spruce	Picea	Pinaceae
PILEA FONTANA	(Lunell) Ryd	Clearweed	Pilea	Urticaceae
PILEA PUMILA	(L.) Gray	Clearweed	Pilea	Urticaceae
PINGUICULA VULGARIS	L.	Violet butterwort	Pinguicula	Lentibulariaceae
PINUS BANKSIANA	Lamb.	Jack-pine	Pinus	Pinaceae
PINUS ECHINATA	P. Mill.	Yellow or shortleaf pine	Pinus	Pinaceae
PINUS NIGRA	Arnold	Austrian pine	Pinus	Pinaceae
PINUS PONDEROSA	P. & C. Laws	Ponderosa pine	Pinus	Pinaceae
PINUS RESINOSA	Soland.	Red pine, Norway pine	Pinus	Pinaceae
PINUS RIGIDA	P. Mill.	Pitch pine	Pinus	Pinaceae
PINUS STROBUS	L.	White pine	Pinus	Pinaceae

PINUS SYLVESTRIS	L.	Scotch pine	Pinus	Pinaceae
Pipeallium A	7/24/96			
PipeAsclepias A				
PipeCarex A	7/24/96			
PIPECAREX B				
pipeclover A				
pipejuncus A	7/24/96			
PipeOenothera A				
pipepotentilla A	7/24/1996			
pipesilene A				
PIPEUNK10061997				
PIPEUNK11061997				
PIPEUNK2061997				
PIPEUNK4061997				
PIPEUNK5061997				
PIPEUNKASTER1061997				
PIPEUNKASTER3061997				
PIPEUNKASTER4061997				
PIPEUNKCAREX2061997				
PIPEUNKCAREX3061997				
PIPEUNKCLOVER1061997				
PIPEUNKGRASS3061997				
PIPEUNKHELI2061997				
PIPEUNKLEGUME1061997				
pipeunknown A	7/24/1996			
PIPEUNKSOLIDAGO4061997				
PIPTATHERUM MICRANTHUM	(Trin. & Rupr.) Barkworth		Piptatherum	Poaceae
PIPTOCHAETIUM AVENACEUM	(L.) Parodi Grass		Piptochaetium	Poaceae
PLAGIOBOTHRYIS SCOULERI Var. HISPIDU	(Greene) Don		Plagiobothrys	Boraginaceae
PLANTAGO ARISTATA	Michx.	Buckhorn	Plantago	Plantaginaceae
PLANTAGO CORDATA	Lam.	King-root	Plantago	Plantaginaceae
PLANTAGO ELONGATA	Pursh	Longleaf plantain	Plantago	Plantaginaceae
PLANTAGO ERIOPODA	Torr.	Wooly-crowned plantain	Plantago	Plantaginaceae
PLANTAGO LANCEOLATA	L.	English plantain, ribgrass	Plantago	Plantaginaceae
PLANTAGO MAJOR	L.	Common plantain	Plantago	Plantaginaceae
PLANTAGO PATAGONICA	Jacq.	Wooly plantain	Plantago	Plantaginaceae
PLANTAGO PUSILLA	Nutt.	Little plantain	Plantago	Plantaginaceae
PLANTAGO RHODOSPERMA	Dcne.	Plantain	Plantago	Plantaginaceae
PLANTAGO RUGELII	Dcne.	American plantain	Plantago	Plantaginaceae
PLANTAGO VIRGINICA	L.	Plantain	Plantago	Plantaginaceae
PLATANThERA BLEPHARIGLOTTIS	(Willd.) Lindl	White fringed orchid	Platanthera	Orchidaceae
PLATANThERA CILIARIS	(L.) Lindl.	Yellow fringed orchid	Platanthera	Orchidaceae
PLATANThERA CLAVELLATA	(Michx.) Lue	Club-spur orchid	Platanthera	Orchidaceae
PLATANThERA DILATATA	(Pursh) Lindl	Tall white bog-orchid	Platanthera	Orchidaceae
PLATANThERA FLAVA	(L.) Lindl.	Tubercled orchid	Platanthera	Orchidaceae
PLATANThERA FLAVA var. HERBIOLA	(R. Br.) Luer	Tubercled orchid	Platanthera	Orchidaceae
PLATANThERA GRANDIFLORA	(Bigelow) Lin	Purple fringed orchid	Platanthera	Orchidaceae
PLATANThERA HOOKERI	(Torr. ex Gr	Hooker's orchid	Platanthera	Orchidaceae
PLATANThERA HYPERBOREA	(L.) Lindl.	Tall northern bog-orchid	Platanthera	Orchidaceae
PLATANThERA HYPERBOREA var. HURON	(Nutt.) Luer	Tall northern bog-orchid	Platanthera	Orchidaceae
PLATANThERA LACERA	(Michx.) G.	Ragged fringed orchid	Platanthera	Orchidaceae
PLATANThERA LEUCOPHAEA	(Nutt.) Lindl.	Prairie fringed orchid	Platanthera	Orchidaceae
PLATANThERA OBTUSATA	(Banks ex P	Blunt-leaf orchid	Platanthera	Orchidaceae
PLATANThERA ORBICULATA	(Pursh) Lindl	Round-leaved orchid	Platanthera	Orchidaceae
PLATANThERA PERAMOENA	(Gray) Gray	Purple fringless orchid	Platanthera	Orchidaceae
PLATANThERA PSYCODES	(L.) Lindl.	Purple fringed orchid	Platanthera	Orchidaceae
PLATANUS OCCIDENTALIS	L.	Sycamore, buttonwood	Platanus	Platanaceae
PLEOPELTIS POLYPODIOIDES ssp. MICHA	(Weatherby)	Resurrection fern	Pleopeltis	Polypodiaceae
POA ALPINA	L.	Alpine bluegrass	Poa	Poaceae
POA ALSODES	Gray	Bluegrass	Poa	Poaceae
POA ANNUA	L.	Speargrass	Poa	Poaceae
POA BULBOSA	L.	Bulbous bluegrass	Poa	Poaceae
POA CHAPMANIANA	Scribn.	Bluegrass	Poa	Poaceae
POA COMPRESSA	L.	Canada bluegrass	Poa	Poaceae
POA CUSPIDATA	Nutt.	Bluegrass	Poa	Poaceae
POA GLAUCA	Vahl	Bluegrass	Poa	Poaceae
POA INTERIOR	Rydb.	Inland bluegrass	Poa	Poaceae
POA NEMORALIS	L.	Wood bluegrass	Poa	Poaceae
POA PALUDIGENA	Fern. & Wie	Marsh bluegrass	Poa	Poaceae
POA PALUSTRIS	L.	Fowl meadow grass	Poa	Poaceae
POA PRATENSIS	L.	Kentucky bluegrass	Poa	Poaceae
POA SALTUENSIS	Fern. & Wie	Bluegrass	Poa	Poaceae
POA SECUNDA	J. Presl	Bluegrass	Poa	Poaceae
POA SPP				

POA SYLVESTRIS	Gray	Forest bluegrass	Poa	Poaceae
POA TRIVIALIS	L.	Rough bluegrass	Poa	Poaceae
POA WOLFII	Scribn.	Bluegrass	Poa	Poaceae
PODOPHYLLUM PELTATUM	L.	May-apple, mandrake	Podophyllum	Berberidaceae
POGONIA OPHIOGLOSSOIDES	(L.) Ker-Gaw	Rose pogonia, snake mout	Pogonia	Orchidaceae
POLANISIA DODECANDRA	(L.) DC.	Clammy-weed	Polanisia	Capparaceae
POLANISIA JAMESII	(Torr. & Gra	Clammy-weed	Polanisia	Capparaceae
POLEMONIUM REPTANS	L.	Spreading Jacob's ladder	Polemonium	Polemoniaceae
POLYGALA CRUCIATA	L.	Drum-heads	Polygala	Polygalaceae
POLYGALA CRUCIATA var. AQUILONIA	Fern. & Sch	Drum-heads	Polygala	Polygalaceae
POLYGALA INCARNATA	L.	Pink milkwort	Polygala	Polygalaceae
POLYGALA PAUCIFOLIA	Willd.	Flowering wintergreen	Polygala	Polygalaceae
POLYGALA POLYGAMA	Walt.	Bitter milkwort	Polygala	Polygalaceae
POLYGALA POLYGAMA var. OBTUSATA	Chod.	Bitter milkwort	Polygala	Polygalaceae
POLYGALA SANGUINEA	L.	Blood milkwort	Polygala	Polygalaceae
POLYGALA SENEGA	L.	Seneca snakeroot	Polygala	Polygalaceae
POLYGALA SENEGA var. LATIFOLIA	Torr. & Gray	Seneca snakeroot	Polygala	Polygalaceae
POLYGALA VERTICILLATA	L.	Whorled milkwort	Polygala	Polygalaceae
POLYGALA VERTICILLATA var. ISOCYCLA	Fern.	Whorled milkwort	Polygala	Polygalaceae
POLYGONATUM BIFLORUM	(Walt.) Ell.	Solomon's seal	Polygonatum	Liliaceae
POLYGONATUM BIFLORUM var. COMMUT	(J.A. & J.H.	Solomon's seal	Polygonatum	Liliaceae
POLYGONATUM PUBESCENS	(Willd.) Purs	Solomon's seal	Polygonatum	Liliaceae
POLYGONELLA ARTICULATA	(L.) Meisn.	Jointweed	Polygonella	Polygonaceae
POLYGONUM ACHOREUM	Blake	Smartweed	Polygonum	Polygonaceae
POLYGONUM AMPHIBIUM	L.	Water smartweed	Polygonum	Polygonaceae
POLYGONUM AMPHIBIUM var. EMERSUM	Michx.	Water smartweed	Polygonum	Polygonaceae
POLYGONUM AMPHIBIUM var. STIPULACE	Coleman	Water smartweed	Polygonum	Polygonaceae
POLYGONUM ARENASTRUM	Jord. ex Bor	Dooryard knotweed	Polygonum	Polygonaceae
POLYGONUM ARIFOLIUM	L.	Halberd-leaved tearthumb	Polygonum	Polygonaceae
POLYGONUM AVICULARE	L.	Smartweed	Polygonum	Polygonaceae
POLYGONUM CAREYI	Olney	Smartweed	Polygonum	Polygonaceae
POLYGONUM CESPITOSUM	Blume	Smartweed	Polygonum	Polygonaceae
POLYGONUM CLINODE	Michx.	Fringed bindweed	Polygonum	Polygonaceae
POLYGONUM CONVULVULUS	L.	Black bindweed	Polygonum	Polygonaceae
POLYGONUM CUSPIDATUM	Sieb. & Zucc	Japanese knotwood, Mexi	Polygonum	Polygonaceae
POLYGONUM DENSIFLORUM	Meisn.	Smartweed	Polygonum	Polygonaceae
POLYGONUM DOUGLASII	Greene	Smartweed	Polygonum	Polygonaceae
POLYGONUM ERECTUM	L.	Smartweed	Polygonum	Polygonaceae
POLYGONUM HYDROPIPER	L.	Water-pepper	Polygonum	Polygonaceae
POLYGONUM HYDROPIPEROIDES	Michx.	False water-pepper	Polygonum	Polygonaceae
POLYGONUM LAPATHIFOLIUM	L.	Dock-leaved smartweed	Polygonum	Polygonaceae
POLYGONUM PENNSYLVANICUM	L.	Pennsylvania smartweed	Polygonum	Polygonaceae
POLYGONUM PERSICARIA	L.	Lady's thumb	Polygonum	Polygonaceae
POLYGONUM PUNCTATUM	Ell.	Dotted smartweed	Polygonum	Polygonaceae
POLYGONUM PUNCTATUM var. CONFERTI	(Meisn.) Fas	Dotted smartweed	Polygonum	Polygonaceae
POLYGONUM RAMOSISSIMUM	Michx.	Smartweed	Polygonum	Polygonaceae
POLYGONUM SAGITTATUM	L.	Arrow-leaved tearthumb	Polygonum	Polygonaceae
POLYGONUM SCANDENS	L.	False buckwheat	Polygonum	Polygonaceae
POLYGONUM SCANDENS var. CRISTATUM	(Engelm. &	False buckwheat	Polygonum	Polygonaceae
POLYGONUM TENUE	Michx.	Smartweed	Polygonum	Polygonaceae
POLYGONUM VIRGINIANUM	L.	Jumpseed	Polygonum	Polygonaceae
POLYGONUM VIVIPARUM	L.	Smartweed	Polygonum	Polygonaceae
POLYMNIA CANADENSIS	L.	Pale-flowered leaf-cup	Polymnia	Asteraceae
POLYPODIUM VIRGINIANUM	L.	Common polypody	Polypodium	Polypodiaceae
POLYSTICHUM ACROSTICHOIDES	(Michx.) Sch	Christmas fern	Polystichum	Dryopteridaceae
POLYSTICHUM BRAUNII	(Spenner) F	Braun's holly fern	Polystichum	Dryopteridaceae
POLYSTICHUM LONCHITIS	(L.) Roth	Northern holly fern	Polystichum	Dryopteridaceae
POLYTAENIA NUTTALLII	DC.	Prairie parsley	Polytaenia	Apiaceae
PONTERERIA CORDATA	L.	Pickereel-weed	Pontederia	Pontederiaceae
POPULUS ALBA	L.	White or silver poplar	Populus	Salicaceae
POPULUS BALSAMIFERA	L.	Balsam-poplar	Populus	Salicaceae
POPULUS DELTOIDES	Bartr. ex Ma	Cottonwood	Populus	Salicaceae
POPULUS DELTOIDES ssp. MONILIFERA	(Ait.) Ecken	Cottonwood	Populus	Salicaceae
POPULUS GRANDIDENTATA	Michx.	Big-toothed aspen	Populus	Salicaceae
POPULUS JACKII	Sarg.	Balm of Gilead	Populus	Salicaceae
POPULUS NIGRA	L.	Black poplar	Populus	Salicaceae
POPULUS TREMULOIDES	Michx.	Aspen, quaking aspen	Populus	Salicaceae
PORTERANTHUS STIPULATUS	(Muhl. ex Wi	Midwestern Indian-physic	Porteranthus	Rosaceae
PORTULACA OLERACEA	L.	Common purslane	Portulaca	Portulacaceae
POTAMOGETON ALPINUS	Balbis	Red pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON AMPLIFOLIUS	Tuckerman	Bigleaf pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON CRISPUS	L.	Curly pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON DIVERSIFOLIUS	Raf.	Common snailseed pondw	Potamogeton	Potamogetonaceae
POTAMOGETON EPIHYDRUS	Raf.	Ribbonleaf pondweed	Potamogeton	Potamogetonaceae

POTAMOGETON FILIFORMIS	Pers.	Threadleaf pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON FOLIOSUS	Raf.	Leafy pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON FRIESII	Rupr.	Fries' pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON GRAMINEUS	L.	Variable pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON ILLINOENSIS	Morong	Illinois pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON NATANS	L.	Floating pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON NODOSUS	Poir.	Longleaf pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON OAKESIANUS	J.W. Robbin	Oakes' pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON OBTUSIFOLIUS	Mert. & Koc	Bluntleaf pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON PECTINATUS	L.	Sago pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON PRAELONGUS	Wulfen	Whitestem pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON PULCHER	Tuckerman	Spotted pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON PUSILLUS	L.	Slender pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON PUSILLUS var. TENUISSI	Mert. & Koc	Slender pondweed (p. 643	Potamogeton	Potamogetonaceae
POTAMOGETON RICHARDSONII	(Benn.) Ryd	Pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON ROBBINSII	Oakes	Fern pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON SPIRILLUS	Tuckerman	Northern snailseed pondw	Potamogeton	Potamogetonaceae
POTAMOGETON STRICTIFOLIUS	Benn.	Straight-leaved pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON VAGINATUS	Turcz.	Bigsheath pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON VASEYI	J.W. Robbin	Vasey's pondweed	Potamogeton	Potamogetonaceae
POTAMOGETON ZOSTERIFORMIS	Fern.	Flatstem pondweed	Potamogeton	Potamogetonaceae
POTENTILLA ARGENTEA	L.	Silvery five-fingers	Potentilla	Rosaceae
POTENTILLA ARGUTA	Pursh	Tall potentilla	Potentilla	Rosaceae
POTENTILLA CANADENSIS	L.	Running five-fingers	Potentilla	Rosaceae
POTENTILLA NORVEGICA	L.	Strawberry weed	Potentilla	Rosaceae
POTENTILLA PARADOXA	Nutt.	Diffuse potentilla	Potentilla	Rosaceae
POTENTILLA PENNSYLVANICA	L.	Cinquefoil or five-fingers	Potentilla	Rosaceae
POTENTILLA PENNSYLVANICA var. ATROVI	(Rydb.) T. W	Pennsylvania cinquefoil	Potentilla	Rosaceae
POTENTILLA RECTA	L.	Sulphur five-fingers	Potentilla	Rosaceae
POTENTILLA SIMPLEX	Michx.	Old-field five-fingers	Potentilla	Rosaceae
PRENANTHES ALBA	L.	Rattlesnake-root	Prenanthes	Asteraceae
PRENANTHES ALTISSIMA	L.	Tall white lettuce	Prenanthes	Asteraceae
PRENANTHES ASPERA	Michx.	Rough white lettuce	Prenanthes	Asteraceae
PRENANTHES AUTUMNALIS	Walt.	Slender rattlesnake-root	Prenanthes	Asteraceae
PRENANTHES RACEMOSA	Michx.	Glaucous white lettuce	Prenanthes	Asteraceae
PRIMULA MISTASSINICA	Michx.	Mistassini primrose	Primula	Primulaceae
PROBOSCIDIA LOUISIANICA	(P. Mill.) The	Devil's Claw	Proboscidea	Pedaliaceae
PROSERPINACA PALUSTRIS	L.	Common mermaid-weed	Proserpinaca	Haloragaceae
PROSERPINACA PALUSTRIS var. CREBRA	Fern. & Gris	Common mermaid-weed	Proserpinaca	Haloragaceae
PRUNELLA VULGARIS	L.	Self-heal	Prunella	Lamiaceae
PRUNELLA VULGARIS ssp. LANCEOLATA	(W. Bart.) H	Self-heal	Prunella	Lamiaceae
PRUNUS AMERICANA	Marsh.	Wild plum	Prunus	Rosaceae
PRUNUS ANGUSTIFOLIA	Marsh.	Chickasaw plum	Prunus	Rosaceae
PRUNUS ARMENIACA	L.	Apricot	Prunus	Rosaceae
PRUNUS AVIUM	(L.) L.	Sweet cherry	Prunus	Rosaceae
PRUNUS Cerasifera	Ehrh.	Plum	Prunus	Rosaceae
PRUNUS CERASUS	L.	Sour cherry, pie-cherry	Prunus	Rosaceae
PRUNUS DOMESTICA	L.	Plum	Prunus	Rosaceae
PRUNUS HORTULANA	Bailey	Hortulan plum	Prunus	Rosaceae
PRUNUS MAHALEB	L.	Mahaleb-cherry	Prunus	Rosaceae
PRUNUS MEXICANA	S. Wats.	Bigtree-plum	Prunus	Rosaceae
PRUNUS MUNSONIANA	W. Wight &	Wildgoose-plum	Prunus	Rosaceae
PRUNUS NIGRA	Ait.	Canada-plum	Prunus	Rosaceae
PRUNUS PENNSYLVANICA	L. f.	Pin-cherry	Prunus	Rosaceae
PRUNUS PERSICA	(L.) Batsch	Peach	Prunus	Rosaceae
PRUNUS PUMILA	L.	Sand-cherry	Prunus	Rosaceae
PRUNUS PUMILA var. BESSEYI	(Bailey) Gle	Sand-cherry	Prunus	Rosaceae
PRUNUS PUMILA var. SUSQUEHANAE	(hort. ex Will	Sand-cherry	Prunus	Rosaceae
PRUNUS SEROTINA	Ehrh.	Wild black cherry	Prunus	Rosaceae
PRUNUS SPP				
PRUNUS VIRGINIANA	L.	Choke-cherry	Prunus	Rosaceae
PSATHYROSTACHYS JUNCEA	(Fisch.) Nev	Russian wildrye	Psathyrostachys	Poaceae
PSEUDOROEGNERIA SPICATA ssp. SPICA	(Pursh) A. L	Bluebunch wheatgrass	Pseudoroegneria	Poaceae
PSEUDOTSUGA MENZIESII	(Mirbel) Fran	Douglas fir	Pseudotsuga	Pinaceae
PSORALEA ARGOPHYLLA	Pursh	Silvery scurf-pea	Psoralea	Fabaceae
PSORALEA ESCULENTA	Pursh	Breadroot scurf-pea	Psoralea	Fabaceae
PSORALEA HYPOQAEA	Nutt.	Little breadroot scurf-pea	Psoralea	Fabaceae
PSORALIDIUM LANCEOLATUM	(Pursh) Ryd	Pea, Bean	Psoralegium	Fabaceae
PSORALIDIUM TENUIFLORUM	(Pursh) Ryd	Gray scurf-pea	Psoralegium	Fabaceae
PTELEA TRIFOLIATA	L.	Common hop-tree	Ptelea	Rutaceae
PTERIDIUM AQUILINUM	(L.) Kuhn	Bracken fern	Pteridium	Dennstaedtiaceae
PTERIDIUM AQUILINUM var. LATIUSCULUM	(Desv.) Und	Bracken fern	Pteridium	Dennstaedtiaceae
PTEROSPORA ANDROMEDEA	Nutt.	Pine-drops	Pterospora	Monotropaceae
PTILIMNIUM NUTTALLII	(DC.) Britt.	Ozark mock bishop-weed	Ptilimnium	Apiaceae

PULSATILLA PATENS	(L.) P. Mill.	Pasque-flower, prairie smo	Pulsatilla	Ranunculaceae
PULSATILLA PATENS ssp. MULTIFIDA	(Pritz.) Zam	Pasque-flower, prairie smo	Pulsatilla	Ranunculaceae
PYCNANTHEMUM FLEXUOSUM	(Walt.) B.S.	Mountain mint	Pycnanthemum	Lamiaceae
PYCNANTHEMUM TENUIFOLIUM	Schrad.	Mountain mint	Pycnanthemum	Lamiaceae
PYCNANTHEMUM VERTICILLATUM var. PIL	(Nutt.) Coop	Mountain mint	Pycnanthemum	Lamiaceae
PYCNANTHEMUM VIRGINIANUM	(L.) T. Dur.	Mountain mint	Pycnanthemum	Lamiaceae
PYROLA AMERICANA	Sweet	Shinleaf, wintergreen	Pyrola	Pyrolaceae
PYROLA ASARIFOLIA	Michx.	Pink shinleaf	Pyrola	Pyrolaceae
PYROLA CHLORANTHA	Sw.	Shinleaf, wintergreen	Pyrola	Pyrolaceae
PYROLA ELLIPTICA	Nutt.	Elliptic shinleaf	Pyrola	Pyrolaceae
PYROLA MINOR	L.	Little shinleaf	Pyrola	Pyrolaceae
PYRRHOPAPPUS CAROLINIANUS	(Walt.) DC.	Aster	Pyrrhopappus	Asteraceae
PYRUS COMMUNIS	L.	Pear	Pyrus	Rosaceae
QUERCUS ALBA	L.	White oak	Quercus	Fagaceae
QUERCUS BICOLOR	Willd.	Swamp white oak	Quercus	Fagaceae
QUERCUS BUSHII	Sarg.	Oak	Quercus	Fagaceae
QUERCUS COCCINEA	Muenchh.	Scarlet oak	Quercus	Fagaceae
QUERCUS ELLIPSOIDALIS	E.J. Hill	Northern pin-oak	Quercus	Fagaceae
QUERCUS FALCATA	Michx.	Southern red oak, Spanish	Quercus	Fagaceae
QUERCUS IMBRICARIA	Michx.	Shingle-oak, jack-oak	Quercus	Fagaceae
QUERCUS LEANA	Nutt. (pro sp)	Oak	Quercus	Fagaceae
QUERCUS MACROCARPA	Michx.	Bur oak	Quercus	Fagaceae
QUERCUS MARILANDICA	Muenchh.	Black-jack oak	Quercus	Fagaceae
QUERCUS MUHLENBERGII	Engelm.	Yellow oak	Quercus	Fagaceae
QUERCUS NIGRA	L.	Water oak	Quercus	Fagaceae
QUERCUS PALUSTRIS	Muenchh.	Pin oak	Quercus	Fagaceae
QUERCUS PHELLOS	L.	Willow oak	Quercus	Fagaceae
QUERCUS PRINUS	L.	Rock chestnut oak	Quercus	Fagaceae
QUERCUS RUBRA	L.	Northern red oak	Quercus	Fagaceae
QUERCUS RUBRA var. AMBIGUA	(Gray) Fern.	Northern red oak	Quercus	Fagaceae
QUERCUS SHUMARDII	Buckl.	Shumard oak	Quercus	Fagaceae
QUERCUS STELLATA	Wangenh.	Post oak	Quercus	Fagaceae
QUERCUS VELUTINA	Lam.	Black oak	Quercus	Fagaceae
RANAUNCULUS SPP				
RANUNCULUS ABORTIVUS	L.	Small-flowered crowfoot	Ranunculus	Ranunculaceae
RANUNCULUS ACRIS	L.	Common or meadow butte	Ranunculus	Ranunculaceae
RANUNCULUS AQUATILIS	L.	White water crowfoot	Ranunculus	Ranunculaceae
RANUNCULUS BULBOSUS	L.	Bulbous buttecup	Ranunculus	Ranunculaceae
RANUNCULUS FASCICULARIS	Muhl. ex Big	Thick-root buttercup	Ranunculus	Ranunculaceae
RANUNCULUS FLABELLARIIS	Raf.	Yellow water crowfoot	Ranunculus	Ranunculaceae
RANUNCULUS FLAMMULA	L.	Creeping spearwort	Ranunculus	Ranunculaceae
RANUNCULUS FLAMMULA var. FILIFORMIS	(Michx.) Hoo	Creeping spearwort	Ranunculus	Ranunculaceae
RANUNCULUS GMELINII	DC.	Yellow water crowfoot	Ranunculus	Ranunculaceae
RANUNCULUS HISPIDUS	Michx.	Hispid buttercup	Ranunculus	Ranunculaceae
RANUNCULUS HISPIDUS var. NITIDUS	(Chapman)	Hispid buttercup	Ranunculus	Ranunculaceae
RANUNCULUS LAPPONICUS	L.	Lapland buttercup	Ranunculus	Ranunculaceae
RANUNCULUS LONGIROSTRIS	Godr.	White water crowfoot	Ranunculus	Ranunculaceae
RANUNCULUS MACOUNII	Britt.	Marsh crowfoot	Ranunculus	Ranunculaceae
RANUNCULUS MICRANTHUS	Nutt.	Small-flowered crowfoot	Ranunculus	Ranunculaceae
RANUNCULUS PENNSYLVANICUS	L. f.	Bristly crowfoot	Ranunculus	Ranunculaceae
RANUNCULUS RECURVATUS	Poir.	Hooked crowfoot	Ranunculus	Ranunculaceae
RANUNCULUS REPENS	L.	Creeping buttercup	Ranunculus	Ranunculaceae
RANUNCULUS RHOMBOIDEUS	Goldie	Prairie buttercup	Ranunculus	Ranunculaceae
RANUNCULUS SCELERATUS	L.	Cursed crowfoot	Ranunculus	Ranunculaceae
RANUNCULUS TRICHOPHYLLUS	Chaix	White water crowfoot	Ranunculus	Ranunculaceae
RAPHANUS RAPHANISTRUM	L.	Jointed charlock	Raphanus	Brassicaceae
RATIBIDA COLUMNIFERA	(Nutt.) Woot.	Columnar coneflower	Ratibida	Asteraceae
RATIBIDA PINNATA	(Vent.) Barn	Globular coneflower	Ratibida	Asteraceae
RATIBIDA TAGETES	(E. James)	Coneflower	Ratibida	Asteraceae
RHAMNUS ALNIFOLIA	L. Her.	American alder buckthorn	Rhamnus	Rhamnaceae
RHAMNUS CAROLINIANA	Walt.	Carolina buckthorn	Rhamnus	Rhamnaceae
RHAMNUS CATHARTICA	L.	Common buckthorn	Rhamnus	Rhamnaceae
RHAMNUS DAVURICA var. NIPPONICA	Makino	Buckthorn	Rhamnus	Rhamnaceae
RHAMNUS FRANGULA	L.	European alder buckthorn	Rhamnus	Rhamnaceae
RHAMNUS LANCEOLATA	Pursh	Lance-leaved buckthorn	Rhamnus	Rhamnaceae
RHEUM RHAPONTICUM	L.	Rhubarb	Rheum	Polygonaceae
RHEXIA VIRGINICA	L.	Wing-stem meadow-pitche	Rhexia	Melastomataceae
RHUS AROMATICA	Ait.	Squaw-bush	Rhus	Anacardiaceae
RHUS AROMATICA var. ARENARIA	(Greene) Fe	Squaw-bush	Rhus	Anacardiaceae
RHUS COPALLINUM	L.	Shining sumac	Rhus	Anacardiaceae
RHUS GLABRA	L.	Smooth sumac	Rhus	Anacardiaceae
RHUS HIRTA	(L.) Sudwort	Staghorn sumac	Rhus	Anacardiaceae
RHUS PULVINATA	Greene (pro	Sumac	Rhus	Anacardiaceae

RHUS KILOBATA	Nutt.	Squaw-bush	Rhus	Anacardiaceae
RHYNCHOSIA LATIFOLIA	Nutt. ex Torr	Flax	Rhynchosia	Fabaceae
RHYNCHOSPORA ALBA	(L.) Vahl	Beak-rush	Rhynchospora	Cyperaceae
RHYNCHOSPORA CAPILLACEA	Torr.	Beak-rush	Rhynchospora	Cyperaceae
RHYNCHOSPORA CAPITELLATA	(Michx.) Vahl	Beak-rush	Rhynchospora	Cyperaceae
RHYNCHOSPORA FUSCA	(L.) Ait. f.	Beak-rush	Rhynchospora	Cyperaceae
RHYNCHOSPORA GLOBULARIS var. GLOB	(Chapman)	Beak-rush	Rhynchospora	Cyperaceae
RHYNCHOSPORA MACROSTACHYA	Torr. ex Gra	Beak-rush	Rhynchospora	Cyperaceae
RHYNCHOSPORA SCIRPOIDES	(Torr.) Gray	Beak-rush	Rhynchospora	Cyperaceae
RIBES AMERICANUM	P. Mill.	Eastern black currant	Ribes	Grossulariaceae
RIBES AUREUM var. VILLOSUM	DC.	Gooseberry	Ribes	Grossulariaceae
RIBES CEREUM	Dougl.	Gooseberry	Ribes	Grossulariaceae
RIBES CEREUM var. PEDICELLARE	Brewer & S.	Whisky currant	Ribes	Grossulariaceae
RIBES CYNOSBATI	L.	Dogberry	Ribes	Grossulariaceae
RIBES GLANDULOSUM	Grauer	Skunk-currant	Ribes	Grossulariaceae
RIBES HIRTELLUM	Michx.	Gooseberry	Ribes	Grossulariaceae
RIBES HUDSONIANUM	Richards.	Western black currant	Ribes	Grossulariaceae
RIBES LACUSTRE	(Pers.) Poir.	Spiny swamp-currant	Ribes	Grossulariaceae
RIBES MISSOURIENSE	Nutt.	Missouri gooseberry	Ribes	Grossulariaceae
RIBES OXYACANTHOIDES	L.	Northern gooseberry	Ribes	Grossulariaceae
RIBES RUBRUM	L.	Gooseberry	Ribes	Grossulariaceae
RIBES SPP				
RIBES TRISTE	Pallas	Swamp red currant	Ribes	Grossulariaceae
ROBINIA HISPIDA	L.	Bristly locust, rose-acacia	Robinia	Fabaceae
ROBINIA PSEUDOACACIA	L.	Black locust	Robinia	Fabaceae
ROBINIA VISCOSA	Vent.	Clammy locust, rose-acacia	Robinia	Fabaceae
RORIPPA ISLANDICA	(Oeder) Bor	Yellow-cress	Rorippa	Brassicaceae
RORIPPA NASTURTIUM-AQUATICUM	(L.) Hayek	Water-cress	Rorippa	Brassicaceae
RORIPPA PALUSTRIS	(L.) Bess.	Common yellow-cress	Rorippa	Brassicaceae
RORIPPA PALUSTRIS ssp. FERNALDIANA	(Butters & A	Common yellow-cress	Rorippa	Brassicaceae
RORIPPA PALUSTRIS ssp. HISPIDA	(Desv.) Jons	Common yellow-cress	Rorippa	Brassicaceae
RORIPPA PALUSTRIS ssp. PALUSTRIS	(L.) Bess.	Common yellow-cress	Rorippa	Brassicaceae
RORIPPA SESSILIFLORA	(Nutt.) A. S.	Southern yellow-cress	Rorippa	Brassicaceae
RORIPPA SINUATA	(Nutt.) A.S.	Western yellow-cress	Rorippa	Brassicaceae
ROSA ACICULARIS	Lindl.	Bristly rose	Rosa	Rosaceae
ROSA ARKANSANA	Porter	Dwarf prairie rose	Rosa	Rosaceae
ROSA ARKANSANA var. SUFFULTA	(Greene) Co	Dwarf prairie rose	Rosa	Rosaceae
ROSA BLANDA	Ait.	Smooth rose	Rosa	Rosaceae
ROSA CANINA	L.	Dog rose	Rosa	Rosaceae
ROSA CAROLINA	L.	Pasture rose	Rosa	Rosaceae
ROSA CENTIFOLIA	L.	Cabbage rose	Rosa	Rosaceae
ROSA EGLANTERIA	L.	Eglantine, sweetbrier	Rosa	Rosaceae
ROSA MICRANTHA	Borrer ex S	Eglantine, sweetbrier	Rosa	Rosaceae
ROSA MULTIFLORA	Thunb. ex M	Multiflora rose	Rosa	Rosaceae
ROSA PALUSTRIS	Marsh.	Swamp rose	Rosa	Rosaceae
ROSA SETIGERA	Michx.	Climbing prairie rose	Rosa	Rosaceae
ROSA SETIGERA var. TOMENTOSA	Torr. & Gray	Climbing prairie-rose	Rosa	Rosaceae
ROSA SPP				
ROSA WOODSII	Lindl.	Western rose	Rosa	Rosaceae
ROOTALA RAMOSIOR	(L.) Koehne	Tooth-cup	Rotala	Lythraceae
RUBUS ALLEGHENIENSIS	Porter	Common blackberry	Rubus	Rosaceae
RUBUS ARGUTUS	Link	Southern blackberry	Rubus	Rosaceae
RUBUS FLAGELLARIS	Willd.	Northern dewberry	Rubus	Rosaceae
RUBUS HISPIDUS	L.	Swamp-dewberry	Rubus	Rosaceae
RUBUS IDAEUS	L.	Red raspberry	Rubus	Rosaceae
RUBUS IDAEUS ssp. STRIGOSUS	(Michx.) Foc	Red raspberry	Rubus	Rosaceae
RUBUS MOLLIOR	Bailey	Bramble	Rubus	Rosaceae
RUBUS OCCIDENTALIS	L.	Black raspberry, black-cap	Rubus	Rosaceae
RUBUS ODORATUS	L.	Flowering raspberry	Rubus	Rosaceae
RUBUS OSTRYFOLIUS	Rydb.	Pennsylvania blackberry	Rubus	Rosaceae
RUBUS PARVIFLORUS	Nutt.	Thimbleberry	Rubus	Rosaceae
RUBUS PENNSILVANICUS	Poir.	Pennsylvania blackberry	Rubus	Rosaceae
RUBUS PERGRATUS	Blanch.	Bramble	Rubus	Rosaceae
RUBUS PUBESCENS	Raf.	Dwarf raspberry	Rubus	Rosaceae
RUBUS SETOSUS	Bigelow	Bristly blackberry	Rubus	Rosaceae
RUBUS SPP				
RUDBECKIA FULGIDA	Ait.	Eastern coneflower	Rudbeckia	Asteraceae
RUDBECKIA HIRTA	L.	Black-eyed Susan	Rudbeckia	Asteraceae
RUDBECKIA HIRTA var. PULCHERRIMA	Farw.	Black-eyed Susan	Rudbeckia	Asteraceae
RUDBECKIA LACINIATA	L.	Cutleaf coneflower	Rudbeckia	Asteraceae
RUDBECKIA LACINIATA var. LACINIATA	L.	Cutleaf coneflower	Rudbeckia	Asteraceae
RUDBECKIA MISSOURIENSIS	Engelm. ex	Missouri coneflower	Rudbeckia	Asteraceae
RUDBECKIA SUBTOMENTOSA	Pursh	Sweet coneflower	Rudbeckia	Asteraceae
RUDBECKIA TRILOBA	L.	Three-lobed coneflower	Rudbeckia	Asteraceae

RUELLIA CAROLINIENSIS	(J.F. Gmel.)	Acanthus	Ruellia	Acanthaceae
RUELLIA HUMILIS	Nutt.	Fringeleaf ruellia	Ruellia	Acanthaceae
RUELLIA PEDUNCULATA	Torr. ex Gra	Acanthus	Ruellia	Acanthaceae
RUELLIA STREPENS	L.	Acanthus	Ruellia	Acanthaceae
RUMEX ACETOSELLA	L.	Red sorrel	Rumex	Polygonaceae
RUMEX ALTISSIMUS	Wood	Pale dock	Rumex	Polygonaceae
RUMEX CRISPUS	L.	Curly dock	Rumex	Polygonaceae
RUMEX LONGIFOLIUS	DC.	Yard dock	Rumex	Polygonaceae
RUMEX MARITIMUS	L.	Golden dock	Rumex	Polygonaceae
RUMEX OBTUSIFOLIUS	L.	Bitter dock	Rumex	Polygonaceae
RUMEX ORBICULATUS	Gray	Great-water dock	Rumex	Polygonaceae
RUMEX PATIENTIA	L.	Patience dock	Rumex	Polygonaceae
RUMEX SALICIFOLIUS var. MEXICANUS	(Meisn.) C.L.	Sorrel, dock	Rumex	Polygonaceae
RUMEX STENOPHYLLUS	Ledeb.	Curly dock	Rumex	Polygonaceae
RUMEX VENOSUS	Pursh	Veiny dock	Rumex	Polygonaceae
RUMEX VERTICILLATUS	L.	Water dock, swamp dock	Rumex	Polygonaceae
SABATIA ANGULARIS	(L.) Pursh	Common marsh-pink	Sabatia	Gentianaceae
SAGINA DECUMBENS	(Ell.) Torr. &	Pearlwort	Sagina	Caryophyllaceae
SAGINA NODOSA	(L.) Fenzl	Pearlwort	Sagina	Caryophyllaceae
SAGITTARIA BREVIROSTRA	Mackenzie &	Midwestern arrow-head	Sagittaria	Alismataceae
SAGITTARIA CUNEATA	Sheldon	Northern arrow-head	Sagittaria	Alismataceae
SAGITTARIA GRAMINEA	Michx.	Grass-leaved sagittaria	Sagittaria	Alismataceae
SAGITTARIA LATIFOLIA	Willd.	Common arrow-head	Sagittaria	Alismataceae
SAGITTARIA MONTEVIDENSIS	Cham. & Sc	Mississippi arrow-head	Sagittaria	Alismataceae
SAGITTARIA RIGIDA	Pursh	Sessile-fruited arrow-head	Sagittaria	Alismataceae
SALIX ALBA	L.	White willow	Salix	Salicaceae
SALIX ALBA var. VITELLINA	Stokes	Golden willow	Salix	Salicaceae
SALIX AMYGDALOIDES	Anderss.	Peach-leaf willow	Salix	Salicaceae
SALIX BABYLONICA	L.	Weeping willow	Salix	Salicaceae
SALIX BEBBIANA	Sarg.	Beaked willow	Salix	Salicaceae
SALIX CANDIDA	Fluegge ex	Sage-leaved willow	Salix	Salicaceae
SALIX CAROLINIANA	Michx.	Carolina willow	Salix	Salicaceae
SALIX CORDATA	Michx.	Dune willow	Salix	Salicaceae
SALIX DISCOLOR	Muhl.	Pussy willow	Salix	Salicaceae
SALIX ERIOCEPHALA	Michx.	Diamond willow	Salix	Salicaceae
SALIX EXIGUA	Nutt.	Sandbar willow	Salix	Salicaceae
SALIX FRAGILIS	L.	Crack willow	Salix	Salicaceae
SALIX HUMILIS	Marsh.	Upland willow	Salix	Salicaceae
SALIX INTERIOR	Rowlee	Sandbar Willow	Salix	Salicaceae
SALIX LUCIDA	Muhl.	Shining willow	Salix	Salicaceae
SALIX LUTEA	Nutt.	Yellow willow	Salix	Salicaceae
SALIX MYRICOIDES	Muhl.	Blueleaf willow	Salix	Salicaceae
SALIX NIGRA	Marsh.	Black willow	Salix	Salicaceae
SALIX PEDICELLARIS	Pursh	Bog willow	Salix	Salicaceae
SALIX PELLITA	(Anderss.) A	Satiny willow	Salix	Salicaceae
SALIX PETIOLARIS	Sm.	Meadow willow	Salix	Salicaceae
SALIX PLANIFOLIA	Pursh	Willow	Salix	Salicaceae
SALIX PYRIFOLIA	Anderss.	Balsam willow	Salix	Salicaceae
SALIX SERICEA	Marsh.	Silky willow	Salix	Salicaceae
SALIX SERISSIMA	(Bailey) Fern	Autumn willow	Salix	Salicaceae
SALSOLA AUSTRALIS	R. Br.	Goosefoot	Salsola	Chenopodiaceae
SALSOLA COLLINA	Pallas	Katune	Salsola	Chenopodiaceae
SALSOLA KALI	L.	Russian thistle	Salsola	Chenopodiaceae
SALSOLA KALI ssp. TRAGUS	(L.) Celak		Salsola	Chenopodiaceae
SALVIA AZUREA	Michx. ex La	Sage	Salvia	Lamiaceae
SALVIA AZUREA var. GRANDIFLORA	Benth.	Sage	Salvia	Lamiaceae
SALVIA LYRATA	L.	Sage	Salvia	Lamiaceae
SALVIA REFLEXA	Hornem.	Sage	Salvia	Lamiaceae
SAMBUCUS CANADENSIS	L.	Common elder	Sambucus	Caprifoliaceae
SAMBUCUS RACEMOSA ssp. PUBENS	(Michx.) Hou	Red-berried elder	Sambucus	Caprifoliaceae
SAMOLUS VALERANDI ssp. PARVIFLORUS	(Raf.) Hulten	Water-pimpernel	Samolus	Primulaceae
SANGUINARIA CANADENSIS	L.	Bloodroot	Sanguinaria	Papaveraceae
SANICULA CANADENSIS	L.	Canada sanicle	Sanicula	Apiaceae
SANICULA MARILANDICA	L.	Black snakeroot	Sanicula	Apiaceae
SANICULA ODORATA	(Raf.) K.M.	Sanicle	Sanicula	Apiaceae
SANICULA TRIFOLIATA	Bickn.	Beaked sanicle	Sanicula	Apiaceae
SAPONARIA OFFICINALIS	L.	Soapwort, bouncing Bet.	Saponaria	Caryophyllaceae
SARRACENIA PURPUREA	L.	Pitcher-plant	Sarracenia	Sarraceniaceae
SASSAFRAS ALBIDUM	(Nutt.) Nees	Sassafras	Sassafras	Lauraceae
SATUREJA HORTENSIS	L.	Summer-savory	Satureja	Lamiaceae
SAURURUS CERNUUS	L.	Lizard's tail	Saururus	Saururaceae
SAXIFRAGA PANICULATA	P. Mill.	Saxifrage	Saxifraga	Saxifragaceae
SAXIFRAGA PENSYLVANICA	L.	Swamp saxifrage	Saxifraga	Saxifragaceae
SAXIFRAGA TRICUSPIDATA	Rottb.	Three-toothed saxifrage	Saxifraga	Saxifragaceae

SAXIFRAGA VIRGINIENSIS	Michx.	Early saxifrage	Saxifraga	Saxifragaceae
scblaster A				
SCBLERIOGONUMSP		E. flavum or E. pauciflorum		
scblpoa A				
SCBLUNK13051997		Mirabilis grandiflora ??		
SCBLUNK15071997				
SCBLUNK31071997				
SCBLUNK3407/1997				
scblunknow A				
scblunknow B				
SCBLUNKOENE1051997				
SCHEDONNARDUS PANICULATUS	(Nutt.) Trel.	Tumble-grass	Schedonnardus	Poaceae
SCHUCHZERIA PALUSTRIS	L.	Pod-grass	Scheuchzeria	Scheuchzeriaceae
SCHUCHZERIA PALUSTRIS ssp. AMERIC	(Fern.) Huile	Pod-grass	Scheuchzeria	Scheuchzeriaceae
SCHIZACHNE PURPURASCENS	(Torr.) Swall	Grass	Schizachne	Poaceae
SCHIZACHYRIUM SCOPARIUM	(Michx.) Nas	Little bluestem	Schizachyrium	Poaceae
SCHOENOPLECTUS TABERNAEMONTANI	(k.C. Gmel)		Schoenoplectus	Cyperaceae
SCHRANKIA MICROPHYLLA var. FLORIDAN	(Chapman) I	Sensitive brier	Schrankia	Fabaceae
SCHRANKIA NUTTALLII	(DC. ex Britt.	Sensitive brier	Schrankia	Fabaceae
SCILLA SIBIRICA	Haw. ex And	Siberian squill	Scilla	Liliaceae
SCIRPUS ACUTUS	Muhl. ex Big	Hardstem bulrush	Scirpus	Cyperaceae
SCIRPUS ATROCINCTUS	Fern.	Wool-grass	Scirpus	Cyperaceae
SCIRPUS ATROVIRENS	Willd.	Black bulrush	Scirpus	Cyperaceae
SCIRPUS CESPITOSUS	L.	Bulrush	Scirpus	Cyperaceae
SCIRPUS CYPERINUS	(L.) Kunth	Wool-grass	Scirpus	Cyperaceae
SCIRPUS FLUVIATILIS	(Torr.) Gray	River-bulrush	Scirpus	Cyperaceae
SCIRPUS GEORGIANUS	Harper	Bulrush	Scirpus	Cyperaceae
SCIRPUS HALLII	Gray	Sharpscale-bulrush	Scirpus	Cyperaceae
SCIRPUS HETEROCHAETUS	Chase	Slender bulrush	Scirpus	Cyperaceae
SCIRPUS MARITIMUS	L.	Alkali-bulrush	Scirpus	Cyperaceae
SCIRPUS MICROCARPUS	J.& K. Presl	Bulrush	Scirpus	Cyperaceae
SCIRPUS PALLIDUS	(Britt.) Fern.	Bulrush	Scirpus	Cyperaceae
SCIRPUS PEDICELLATUS	Fern.	Wool-grass	Scirpus	Cyperaceae
SCIRPUS PENDULUS	Muhl.	Bulrush	Scirpus	Cyperaceae
SCIRPUS POLYPHYLLUS	Vahl	Bulrush	Scirpus	Cyperaceae
SCIRPUS PUNGENS	Vahl	Common threesquare	Scirpus	Cyperaceae
SCIRPUS PURSHIANUS	Fern.	Bluntscale-bulrush	Scirpus	Cyperaceae
SCIRPUS SMITHII	Gray	Bluntscale-bulrush	Scirpus	Cyperaceae
SCIRPUS SUBTERMINALIS	Torr.	Water-bulrush	Scirpus	Cyperaceae
SCIRPUS TABERNAEMONTANI	K.C. Gmel.	Softstem-bulrush	Scirpus	Cyperaceae
SCIRPUS TORREYI	Olney	Torrey-threesquare	Scirpus	Cyperaceae
SCLERANTHUS ANNUUS	L.	Annual knawel	Scleranthus	Caryophyllaceae
SCLERIA PAUCIFLORA var. CAROLINIANA	(Willd.) Woo	Carolina-whipgrass	Scleria	Cyperaceae
SCLERIA RETICULARIS	Michx.	Stone-rush	Scleria	Cyperaceae
SCLERIA TRIGLOMERATA	Michx.	Whipgrass	Scleria	Cyperaceae
SCLERIA VERTICILLATA	Muhl. ex Will	Stone-rush	Scleria	Cyperaceae
SCROPHULARIA LANCEOLATA	Pursh	American figwort	Scrophularia	Scrophulariaceae
SCROPHULARIA MARILANDICA	L.	Eastern figwort	Scrophularia	Scrophulariaceae
SCUTELLARIA ELLIPTICA	Muhl. ex Spr	Skullcap	Scutellaria	Lamiaceae
SCUTELLARIA GALERICULATA	L.	Marsh-skullcap	Scutellaria	Lamiaceae
SCUTELLARIA INCANA	Biehler	Skullcap	Scutellaria	Lamiaceae
SCUTELLARIA LATERIFLORA	L.	Skullcap	Scutellaria	Lamiaceae
SCUTELLARIA NERVOSA	Pursh	Skullcap	Scutellaria	Lamiaceae
SCUTELLARIA OVATA	Hill	Forest-skullcap	Scutellaria	Lamiaceae
SCUTELLARIA PARVULA	Michx.	Little skullcap	Scutellaria	Lamiaceae
SCUTELLARIA PARVULA var. LEONARDII	(Epling) Fer	Little skullcap	Scutellaria	Lamiaceae
SECALE CEREALE	L.	Rye	Secale	Poaceae
SEDUM ACRE	L.	Golden carpet	Sedum	Crassulaceae
SEDUM ALBUM	L.	Stonecrop	Sedum	Crassulaceae
SEDUM PULCHELLUM	Michx.	Stonecrop	Sedum	Crassulaceae
SEDUM SARMENTOSUM	Bunge	Stonecrop	Sedum	Crassulaceae
SEDUM SPECTABILE	Bureau	Stonecrop	Sedum	Crassulaceae
SEDUM TELEPHIUM	L.	Live forever	Sedum	Crassulaceae
SEDUM TERNATUM	Michx.	Stonecrop	Sedum	Crassulaceae
SELAGINELLA APODA	(L.) Spring	Meadow-selaginella	Selaginella	Selaginellaceae
SELAGINELLA RUPESTRIS	(L.) Spring	Rock-selaginella	Selaginella	Selaginellaceae
SELAGINELLA SELAGINOIDES	(L.) Link	Northern selaginella	Selaginella	Selaginellaceae
SEMPERVIVUM TECTORUM	L.	Hen-and-chickens	Sempervivum	Crassulaceae
SENECIO AUREUS	L.	Heart-leaved groundsel	Senecio	Asteraceae
SENECIO CANUS	Hook.	Gray groundsel	Senecio	Asteraceae
SENECIO INDECORUS	Greene	Taller discoid groundsel	Senecio	Asteraceae
SENECIO INTEGERRIMUS	Nutt.	Single-stemmed groundsel	Senecio	Asteraceae
SENECIO JACOBAEA	L.	Tansy-ragwort	Senecio	Asteraceae
SENECIO OBOVATUS	Muhl. ex Will	Running groundsel	Senecio	Asteraceae

SENECIO PSEUDOPSEUDUS	Michx.	Northern meadow-grounds	Senecio	Asteraceae
SENECIO PLATTENSIS	Nutt.	Platte groundsel	Senecio	Asteraceae
SENECIO PSEUDAUREUS	Rydb.	Western heart-leaved grou	Senecio	Asteraceae
SENECIO RIDDELLII	Torr. & Gray	Groundsel, ragwort	Senecio	Asteraceae
SENECIO VULGARIS	L.	Common groundwort	Senecio	Asteraceae
SENNA MARILANDICA	(L.) Link	Southern wild senna	Senna	Fabaceae
SETARIA FABERI	Herm.	Nodding or giant foxtail-gra	Setaria	Poaceae
SETARIA ITALICA	(L.) Beauv.	Foxtail-millet	Setaria	Poaceae
SETARIA PARVIFLORA	(Poir.) Kergu	Foxtail-grass	Setaria	Poaceae
SETARIA PUMILA	(Poir.) Roem	Yellow foxtail-grass	Setaria	Poaceae
SETARIA VERTICILLATA	L. Beauv.	Hooked Bristegrass	Setaria	Poaceae
SETARIA VIRIDIS	(L.) Beauv.	Green foxtail-grass	Setaria	Poaceae
SHEPHERDIA ARGENTEA	(Pursh) Nutt.	Buffalo-berry	Shepherdia	Elaeagnaceae
SHEPHERDIA CANADENSIS	(L.) Nutt.	Rabbit-berry	Shepherdia	Elaeagnaceae
SHERARDIA ARVENSIS	L.	Field-madder	Sherardia	Rubiaceae
SIBARA VIRGINICA	(L.) Rollins	Mustard	Sibara	Brassicaceae
SIBBALDIOPSIS TRIDENTATA	(Ait.) Rydb.	Mountain white potentilla	Sibbaldiopsis	Rosaceae
SICYOS ANGULATUS	L.	Bur-cucumber	Sicyos	Cucurbitaceae
SIDA SPINOSA	L.	Prickly spinosa	Sida	Malvaceae
SIDEROXYLON LANUGINOSUM ssp. ALBIC	(Sarg.) Korte	Southern or Carolina buckt	Sideroxylon	Sapotaceae
SIDEROXYLON LANUGINOSUM ssp. LANU	Michx.	Southern or Carolina buckt	Sideroxylon	Sapotaceae
SILENE ANTIRRHINA	L.	Catchfly, campion	Silene	Caryophyllaceae
SILENE ARMERIA	L.	Sweet William catchfly	Silene	Caryophyllaceae
SILENE CSEREII	Baumg.	Bladder-campion	Silene	Caryophyllaceae
SILENE DICHOTOMA	Ehrh.	Catchfly, campion	Silene	Caryophyllaceae
SILENE DIOICA	(L.) Clairville	Red campion, red cockle	Silene	Caryophyllaceae
SILENE LATIFOLIA ssp. ALBA	(P. Mill.) Gre	White campion, white cock	Silene	Caryophyllaceae
SILENE NOCTIFLORA	L.	Sticky cockle, catchfly	Silene	Caryophyllaceae
SILENE REGIA	Sims	Wild pink	Silene	Caryophyllaceae
SILENE STELLATA	(L.) Ait. f.	Starry campion	Silene	Caryophyllaceae
SILENE VIRGINICA	L.	Fire-pink	Silene	Caryophyllaceae
SILENE VULGARIS	(Moench) G	Bladder-campion	Silene	Caryophyllaceae
SILPHIUM ASTERISCUS	L.	Southern rosin-weed	Silphium	Asteraceae
SILPHIUM INTEGRIFOLIUM	Michx.	Prairies rosin-weed	Silphium	Asteraceae
SILPHIUM LACINIATUM	L.	Compass-plant	Silphium	Asteraceae
SILPHIUM PERFOLIATUM	L.	Cup-plant	Silphium	Asteraceae
SILPHIUM TEREBINTHINACEUM	Jacq.	Basal-leaved rosin-weed	Silphium	Asteraceae
SILPHIUM TRIFOLIATUM var. TRIFOLIATU	L.	Whorled rosin-weed	Silphium	Asteraceae
SINAPIS ARVENSIS	L.	Charlock	Sinapis	Brassicaceae
SISYMBRIUM ALTISSIMUM	L.	Tumbling-mustard	Sisymbrium	Brassicaceae
SISYMBRIUM OFFICINALE	(L.) Scop.	Hedge-mustard	Sisymbrium	Brassicaceae
SISYRINCHIUM ALBIDUM	Raf.	Blue-eyed grass	Sisyrinchium	Iridaceae
SISYRINCHIUM ANGUSTIFOLIUM	P. Mill.	Blue-eyed grass	Sisyrinchium	Iridaceae
SISYRINCHIUM ATLANTICUM	Bickn.	Blue-eyed grass	Sisyrinchium	Iridaceae
SISYRINCHIUM CAMPESTRE	Bickn.	Blue-eyed grass	Sisyrinchium	Iridaceae
SISYRINCHIUM MONTANUM	Greene	Blue-eyed grass	Sisyrinchium	Iridaceae
SISYRINCHIUM MUCRONATUM	Michx.	Blue-eyed grass	Sisyrinchium	Iridaceae
SIUM SUAVE	Walt.	Water-parsnip	Sium	Apiaceae
SMALLANTHUS UVEDALIUS	(L.) MacKen	hairy leafcup		Asteraceae
SMILACINA STELLATA	(L.) Desf.	False Solomon's seas	Smilacina	Liliaceae
SMILAX BONA-NOX	L.	Catbrier	Smilax	Smilacaceae
SMILAX ECIRRATA	(Engelm. ex	Catbrier	Smilax	Smilacaceae
SMILAX GLAUCA	Walt.	Catbrier	Smilax	Smilacaceae
SMILAX HERBACEA	L.	Catbrier	Smilax	Smilacaceae
SMILAX LASIONEURA	Hook.	Catbrier	Smilax	Smilacaceae
SMILAX ROTUNDIFOLIA	L.	Catbrier	Smilax	Smilacaceae
SMILAX TAMNOIDES	L.	Catbrier	Smilax	Smilacaceae
SOLANUM AMERICANUM	P. Mill.	Nightshade	Solanum	Solanaceae
SOLANUM CAROLINENSE	L.	Horse-nettle	Solanum	Solanaceae
SOLANUM DULCAMARA	L.	Bittersweet	Solanum	Solanaceae
SOLANUM INTERIUS	Rydb.	Nightshade	Solanum	Solanaceae
SOLANUM NIGRUM	L.	Black nightshade	Solanum	Solanaceae
SOLANUM PTYCANTHUM	Dunal	Nightshade	Solanum	Solanaceae
SOLANUM ROSTRATUM	Dunal	Buffalo-bur	Solanum	Solanaceae
SOLANUM TRIFLORUM	Nutt.	Cut-leaved nightshade	Solanum	Solanaceae
SOLIDAGO ARGUTA	Ait.	Forest-goldenrod	Solidago	Asteraceae
SOLIDAGO ARGUTA var. BOOTTII	(Hook.) Pal	Forest-goldenrod	Solidago	Asteraceae
SOLIDAGO BICOLOR	L.	Silver-rod	Solidago	Asteraceae
SOLIDAGO BUCKLEYI	Torr. & Gray	Goldenrod	Solidago	Asteraceae
SOLIDAGO CAESIA	L.	Axillary goldenrod	Solidago	Asteraceae
SOLIDAGO CANADENSIS	L.	Common goldenrod	Solidago	Asteraceae
SOLIDAGO CANADENSIS var. GILVOCANE	Rydb.	Common goldenrod	Solidago	Asteraceae
SOLIDAGO CANADENSIS var. SCABRA	Torr. & Gray	Common goldenrod	Solidago	Asteraceae
SOLIDAGO FLEXICAULIS	L.	Zigzag goldenrod	Solidago	Asteraceae

SOLIDAGO GIGANTEA	Ait.	Smooth goldenrod	Solidago	Asteraceae
SOLIDAGO HISPIDA	Muhl. ex Will	Hairy goldenrod	Solidago	Asteraceae
SOLIDAGO JUNCEA	Ait.	Early goldenrod	Solidago	Asteraceae
SOLIDAGO MISSOURIENSIS	Nutt.	Missouri goldenrod	Solidago	Asteraceae
SOLIDAGO MISSOURIENSIS var. FASCICU	Holz.	Missouri goldenrod	Solidago	Asteraceae
SOLIDAGO MOLLIS	Bartl.	Velvety goldenrod	Solidago	Asteraceae
SOLIDAGO NEMORALIS	Ait.	Gray goldenrod	Solidago	Asteraceae
SOLIDAGO OHIOENSIS	Riddell	Ohio goldenrod	Solidago	Asteraceae
SOLIDAGO PATULA	Muhl. ex Will	Rough-leaved goldenrod	Solidago	Asteraceae
SOLIDAGO PATULA var. STRICTULA	Torr. & Gray	Rough-leaved goldenrod	Solidago	Asteraceae
SOLIDAGO PETIOLARIS	Ait.	Goldenrod	Solidago	Asteraceae
SOLIDAGO PTARMICOIDES	(Nees) Boivi	Goldenrod	Solidago	Asteraceae
SOLIDAGO RADULA	Nutt.	Rough goldenrod	Solidago	Asteraceae
SOLIDAGO RIDDELLII	Frank ex Rid	Goldenrod	Solidago	Asteraceae
SOLIDAGO RIGIDA	L.	Stiff goldenrod	Solidago	Asteraceae
SOLIDAGO RIGIDA ssp. HUMILIS	(Porter) Hea	Stiff goldenrod	Solidago	Asteraceae
SOLIDAGO RUGOSA	P. Mill.	Wrinkle-leaved goldenrod	Solidago	Asteraceae
SOLIDAGO RUGOSA ssp. ASPERA	(Ait.) Cronq.	Wrinkle-leaved goldenrod	Solidago	Asteraceae
SOLIDAGO SCIAPHILA	Steele	Driftless area goldenrod	Solidago	Asteraceae
SOLIDAGO SEMPERVIRENS	L.	Seaside-goldenrod	Solidago	Asteraceae
SOLIDAGO SIMPLEX	Kunth	Goldenrod	Solidago	Asteraceae
SOLIDAGO SIMPLEX ssp. RANDII var. GILL	(Gray) Korte	Goldenrod	Solidago	Asteraceae
SOLIDAGO SPATHULATA	DC.	Goldenrod	Solidago	Asteraceae
SOLIDAGO SPECIOSA	Nutt.	Showy goldenrod	Solidago	Asteraceae
SOLIDAGO SPECIOSA var. JEJUNIFOLIA	(Steele) Cro	Showy goldenrod	Solidago	Asteraceae
SOLIDAGO SPP				
SOLIDAGO SQUARROSA	Nutt.	Squarrose goldenrod	Solidago	Asteraceae
SOLIDAGO ULIGINOSA	Nutt.	Northern bog-goldenrod	Solidago	Asteraceae
SOLIDAGO ULIGINOSA var. PERACUTA	(Fern.) Fries	Northern bog-goldenrod	Solidago	Asteraceae
SOLIDAGO ULMIFOLIA	Muhl. ex Will	Elm-leaved goldenrod	Solidago	Asteraceae
SONCHUS ARVENSIS	L.	Perennial sow-thistle	Sonchus	Asteraceae
SONCHUS ARVENSIS ssp. ULIGINOSUS	(Bieb.) Nym	Perennial sow-thistle	Sonchus	Asteraceae
SONCHUS ASPER	(L.) Hill	Prickly sow-thistle	Sonchus	Asteraceae
SONCHUS OLERACEUS	L.	Common sow-thistle	Sonchus	Asteraceae
SOPHORA NUTTALLIANA	B.L. Turner	White loco	Sophora	Fabaceae
SORBARIA SORBIFOLIA	(L.) A. Braun	Rose	Sorbaria	Rosaceae
SORBUS AMERICANA	Marsh.	American mountain-ash	Sorbus	Rosaceae
SORBUS AUCUPARIA	L.	European mountain-ash	Sorbus	Rosaceae
SORBUS DECORA	(Sarg.) Schn	Showy mountain-ash	Sorbus	Rosaceae
SORGHASTRUM NUTANS	(L.) Nash	Indian grass	Sorghastrum	Poaceae
SORGHUM BICOLOR	(L.) Moench	Sorghum, milo	Sorghum	Poaceae
SORGHUM HALEPENSE	(L.) Pers.	Johnson-grass	Sorghum	Poaceae
SPARGANIUM AMERICANUM	Nutt.	Bur-reed	Sparganium	Sparganiaceae
SPARGANIUM ANGUSTIFOLIUM	Michx.	Bur-reed	Sparganium	Sparganiaceae
SPARGANIUM ERECTUM	L.	Bur-reed	Sparganium	Sparganiaceae
SPARGANIUM EURYCARPUM	Engelm. ex	Giant bur-reed	Sparganium	Sparganiaceae
SPARGANIUM FLUCTUANS	(Morong) B.	Bur-reed	Sparganium	Sparganiaceae
SPARGANIUM MINIMUM	(C.J. Hartma	Bur-reed	Sparganium	Sparganiaceae
SPARTINA GRACILIS	Trin.	Alkali cord-grass	Spartina	Poaceae
SPARTINA PECTINATA	Link	Prairie cord-grass	Spartina	Poaceae
SPERGULARIA MARINA	(L.) Griseb.	Salt-marsh sand-spurrey	Spergularia	Caryophyllaceae
SPERGULARIA MARITIMA	(All.) Chiov.	Sand-spurrey	Spergularia	Caryophyllaceae
SPERMOLEPIS INERMIS	(Nutt. ex DC	Western spermolepis	Spermolepis	Apiaceae
SPHAERALCEA COCCINEA	(Nutt.) Rydb.	Scarlet mallow	Sphaeralcea	Malvaceae
SPHENOPHOLIS INTERMEDIA	(Rydb.) Ryd	Wedge-grass	Sphenopholis	Poaceae
SPHENOPHOLIS NITIDA	(Biehler) Scr	Grass	Sphenopholis	Poaceae
SPHENOPHOLIS OBTUSATA	(Michx.) Scri	Wedge-grass	Sphenopholis	Poaceae
SPHENOPHOLIS PENSYLVANICA	(L.) A.S. Hitc	Grass	Sphenopholis	Poaceae
SPIRAEA ALBA	Du Roi	Meadowsweet	Spiraea	Rosaceae
SPIRAEA ALBA var. LATIFOLIA	(Ait.) Dippel	Meadowsweet	Spiraea	Rosaceae
SPIRAEA CANTONIENSIS	Lour.	Spiraea	Spiraea	Rosaceae
SPIRAEA TOMENTOSA	L.	Hardhack	Spiraea	Rosaceae
SPIRAEA TOMENTOSA var. ROSEA	(Raf.) Fern.	Hardhack	Spiraea	Rosaceae
SPIRAEA VANHOUTTEI	(Briot) Carr.	Spiraea	Spiraea	Rosaceae
SPIRANTHES CASEI	Catling & Cr	Ladies' tresses	Spiranthes	Orchidaceae
SPIRANTHES CERNUA	(L.) L.C. Ric	Nodding ladies' tresses	Spiranthes	Orchidaceae
SPIRANTHES LACERA	(Raf.) Raf.	Slender ladies' tresses	Spiranthes	Orchidaceae
SPIRANTHES LACERA var. GRACILIS	(Bigelow) Lu	Slender ladies' tresses	Spiranthes	Orchidaceae
SPIRANTHES LUCIDA	(H.H. Eat.) A	Shining ladies' tresses	Spiranthes	Orchidaceae
SPIRANTHES MAGNICAMPORUM	Sheviak	Great Plains ladies' tresse	Spiranthes	Orchidaceae
SPIRANTHES OVALIS	Lindl.	Oval ladies' tresses	Spiranthes	Orchidaceae
SPIRANTHES ROMANZOFFIANA	Cham.	Hooded ladies' tresses	Spiranthes	Orchidaceae
SPIRANTHES VERNALIS	Engelm. & G	Spring ladies' tresses	Spiranthes	Orchidaceae
SPIRODELA POLYRRHIZA	(L.) Schleid.	Greater duckweed	Spirodela	Lemnaceae

SPOROBOLUS AIKOIDES	(Torr.) Torr.	Alkali-sacaton	Sporobolus	Poaceae
SPOROBOLUS ASPER	(Michx.) Kun	Tall dropseed	Sporobolus	Poaceae
SPOROBOLUS CLANDESTINUS	(Biehler) A.S	Rough dropseed	Sporobolus	Poaceae
SPOROBOLUS CRYPTANDRUS	(Torr.) Gray	Sand dropseed	Sporobolus	Poaceae
SPOROBOLUS HETEROLEPIS	(Gray) Gray	Prairie dropseed	Sporobolus	Poaceae
SPOROBOLUS NEGLECTUS	Nash	Dropseed	Sporobolus	Poaceae
SPOROBOLUS PYRAMIDATUS	(Lam.) A.S.	Dropseed	Sporobolus	Poaceae
SPOROBOLUS SPP				
SPOROBOLUS VAGINIFLORUS	(Torr. ex Gr	Poverty-grass	Sporobolus	Poaceae
STACHYS HYSSOPIFOLIA	Michx.	Hyssop hedge-nettle	Stachys	Lamiaceae
STACHYS HYSSOPIFOLIA var. AMBIGUA	Gray	Hyssop hedge-nettle	Stachys	Lamiaceae
STACHYS PALUSTRIS	L.	Hedge-nettle	Stachys	Lamiaceae
STACHYS TENUIFOLIA	Willd.	Smooth hedge-nettle	Stachys	Lamiaceae
STACHYS TENUIFOLIA var. TENUIFOLIA	Willd.	Smooth hedge-nettle	Stachys	Lamiaceae
STAPHYLEA TRIFOLIA	L.	Bladder-nut	Staphylea	Staphyleaceae
STELLARIA CALYCANTHA	(Ledeb.) Bo	Northern stitchwort	Stellaria	Caryophyllaceae
STELLARIA GRAMINEA	L.	Common stitchwort	Stellaria	Caryophyllaceae
STELLARIA LONGIFOLIA	Muhl. ex Will	Long-leaved stitchwort	Stellaria	Caryophyllaceae
STELLARIA LONGIPES	Goldie	Long-stalked stitchwort	Stellaria	Caryophyllaceae
STELLARIA MEDIA	(L.) Vill.	Common chickweed	Stellaria	Caryophyllaceae
STELLARIA PUBERA	Michx.	Star chickweed	Stellaria	Caryophyllaceae
STENOTUS ARMERIOIDES var. ARMERIOIDES	Nutt.	Goldenweed	Stenotus	Asteraceae
STEPHANOMERIA RUNCINATA	Nutt.	Wire lettuce, Skeletonwee	Stephanomeria	Asteraceae
STIPA COMATA	Trin. & Rupr.	Needle-and-thread grass	Stipa	Poaceae
STIPA SPARTEA	Trin.	Porcupine-grass	Stipa	Poaceae
STIPA SPP				
STIPA VIRIDULA	Trin.	Green needle-grass	Stipa	Poaceae
STREPTOPUS AMPLEXIFOLIUS	(L.) DC.	Twisted stalk	Streptopus	Liliaceae
STREPTOPUS ROSEUS	Michx.	Twisted stalk	Streptopus	Liliaceae
STREPTOPUS ROSEUS var. CURVIPES	(Vail) Fasset	Twisted stalk	Streptopus	Liliaceae
STROPHOSTYLES HELVULA	(L.) Ell.	Annual woolly bean	Strophostyles	Fabaceae
STROPHOSTYLES LEIOSPERMA	(Torr. & Gra	Small-flowered woolly bea	Strophostyles	Fabaceae
STYLOPHORUM DIPHYLLUM	(Michx.) Nutt	Celandine-poppy	Stylophorum	Papaveraceae
STYLOSANTHES BIFLORA	(L.) B.S.P.	Pencil-flower	Stylosanthes	Fabaceae
SUBULARIA AQUATICA	L.	Awlwort	Subularia	Brassicaceae
SULLIVANTIA SULLIVANTII	(Torr. & Gra	Saxifrage	Sullivantia	Saxifragaceae
SYMP SPP				
SYMPHORICARPOS ALBUS	(L.) Blake	Snowberry	Symphoricarpos	Caprifoliaceae
SYMPHORICARPOS OCCIDENTALIS	Hook.	Wolfberry	Symphoricarpos	Caprifoliaceae
SYMPHORICARPOS ORBICULATUS	Moench	Coralberry	Symphoricarpos	Caprifoliaceae
SYMPHYTUM OFFICINALE	L.	Common comfrey	Symphytum	Boraginaceae
SYMPLOCARPUS FOETIDUS	(L.) Salisb. e	Skunk-cabbage	Symplocarpus	Araceae
SYRINGA PERSICA	L.	Persian lilac	Syringa	Oleaceae
SYRINGA VULGARIS	L.	Common lilac	Syringa	Oleaceae
TAENIDIA INTEGERRIMA	(L.) Drude	Yellow pimpernel	Taenidia	Apiaceae
TAGETES ERECTA	L.	Common marigold	Tagetes	Asteraceae
TALINUM CALY CINUM	Engelm.	Rockpink fame-flower	Talinum	Portulacaceae
TALINUM PARVIFLORUM	Nutt.	Prairie fame-flower	Talinum	Portulacaceae
TALINUM RUGOSPERMUM	Holz.	Sand fame-flower	Talinum	Portulacaceae
TAMARIX RAMOSISSIMA	Ledeb.	Saltcedar	Tamarix	Tamaricaceae
TANACETUM BIPINNATUM ssp. HURONEN	(Nutt.) Breitu	Eastern tansy	Tanacetum	Asteraceae
TANACETUM PARTHENIUM	(L.) Schultz-	Tansy	Tanacetum	Asteraceae
TANACETUM VULGARE	L.	Common tansy	Tanacetum	Asteraceae
TARAXACUM LAEVIGATUM	(Willd.) DC.	Red-seeded dandelion	Taraxacum	Asteraceae
TARAXACUM OFFICINALE	G.H. Weber	Common dandelion	Taraxacum	Asteraceae
TAXODIUM DISTICHUM	(L.) L.C. Ric	Bald cypress	Taxodium	Taxodiaceae
TAXUS CANADENSIS	Marsh.	American yew	Taxus	Taxaceae
TEPHROSIA VIRGINIANA	(L.) Pers.	Goat's rue	Tephrosia	Fabaceae
TETRANEURIS ACAULIS	(Pursh) Gre	Bitterweed	Tetraneuris	Asteraceae
TEUCRIUM CANADENSE	L.	American germander	Teucrium	Lamiaceae
TEUCRIUM CANADENSE var. OCCIDENTALIS	(Gray) McCl	American germander	Teucrium	Lamiaceae
TEUCRIUM CANADENSE var. VIRGINICUM	(L.) Eat.	American germander	Teucrium	Lamiaceae
THALICTRUM DASYCARPUM	Fisch. & Ave	Purple meadow-rue	Thalictrum	Ranunculaceae
THALICTRUM DIOICUM	L.	Early meadow-rue	Thalictrum	Ranunculaceae
THALICTRUM PUBESCENS	Pursh	Tall meadow-rue	Thalictrum	Ranunculaceae
THALICTRUM REVOLUTUM	DC.	Skunk meadow-rue	Thalictrum	Ranunculaceae
THALICTRUM THALICTROIDES	(L.) Eames	Meadow-rue	Thalictrum	Ranunculaceae
THALICTRUM VENULOSUM	Trel.	Northern meadow-rue	Thalictrum	Ranunculaceae
THASPIUM BARBINODE	(Michx.) Nutt	Bearded meadow-parsnip	Thaspium	Apiaceae
THASPIUM TRIFOLIATUM	(L.) Gray	Smooth meadow-parsnip	Thaspium	Apiaceae
THASPIUM TRIFOLIATUM var. AUREUM	(L.) Britt.	Smooth meadow-parsnip	Thaspium	Apiaceae
THELESERMA FILIFOLIUM	(Hook.) Gray	Greenthread	Thelesperma	Asteraceae
THELESERMA MEGAPOTAMICUM	(Spreng.) Ku	Beggar-ticks	Thelesperma	Asteraceae
THELYPIDIUM INTEGRIFOLIUM	(Nutt.) Endl.	Thelypody	Thelypidium	Brassicaceae

THELYPTERIS NOVEBORACENSIS	(L.) Nieuwl.	New York fern	Thelypteris	Thelypteridaceae
THELYPTERIS PALUSTRIS	Schott	Marsh-fern	Thelypteris	Thelypteridaceae
THERMOPSIS RHOMBIFOLIA	(Nutt. ex Pur	Buckbean	Thermopsis	Fabaceae
THLASPI ARVENSE	L.	Field penny-cress	Thlaspi	Brassicaceae
THLASPI PERFOLIATUM	L.	Thoroughwort penny-cress	Thlaspi	Brassicaceae
THUJA OCCIDENTALIS	L.	Northern white cedar	Thuja	Cupressaceae
THYMUS PRAECOX ssp. ARCTICUS	(Dur.) Jalas	Thyme	Thymus	Lamiaceae
THYMUS VULGARIS	L.	Thyme	Thymus	Lamiaceae
TIARELLA CORDIFOLIA	L.	Foam-flower	Tiarella	Saxifragaceae
TILIA AMERICANA	L.	Basswood, American linden	Tilia	Tiliaceae
TOFIELDIA GLUTINOSA	(Michx.) Per	False asphodel	Tofieldia	Liliaceae
TOFIELDIA PUSILLA	(Michx.) Per	False asphodel	Tofieldia	Liliaceae
TORILIS ARVENSIS	(Huds.) Link	Field hedge-parsley	Torilis	Apiaceae
TORILIS JAPONICA	(Houtt.) DC.	Japanese hedge-parsley	Torilis	Apiaceae
TORREYCHLOA PALLIDA var. FERNALDI	(A.S. Hitchc.	Grass	Torreyochloa	Poaceae
TORREYCHLOA PALLIDA var. PALLIDA	(Torr.) Churc	Grass	Torreyochloa	Poaceae
TOWNSENDIA GRANDIFLORA	Nutt.	Easter daisy	Townsendia	Asteraceae
TOXICODENDRON RADICANS	(L.) Kuntze	Common poison-ivy	Toxicodendron	Anacardiaceae
TOXICODENDRON RYDBERGII	(Small ex Ry	Western poison-ivy	Toxicodendron	Anacardiaceae
TOXICODENDRON VERNIX	(L.) Kuntze	Poison-sumac	Toxicodendron	Anacardiaceae
TRADESCANTIA BRACTEATA	Small ex Brit	Sticky spiderwort	Tradescantia	Commelinaceae
TRADESCANTIA ERNESTIANA	E.S. Anders	Spiderwort	Tradescantia	Commelinaceae
TRADESCANTIA OCCIDENTALIS	(Britton) Sm	Prairie spiderwort	Tradescantia	Commelinaceae
TRADESCANTIA OHIENSIS	Raf.	Smooth spiderwort	Tradescantia	Commelinaceae
Tradescantia spp				
TRADESCANTIA SUBASPERA	Ker-Gawl.	Wide-leaved spiderwort	Tradescantia	Commelinaceae
TRADESCANTIA THARPII	E.S. Anders	Spiderwort	Tradescantia	Commelinaceae
TRADESCANTIA VIRGINIANA	L.	Virginia spiderwort, widow	Tradescantia	Commelinaceae
TRAGIA BETONICIFOLIA	Nutt.	Tragia	Tragia	Euphorbiaceae
TRAGIA URTICIFOLIA	Michx.	Tragia	Tragia	Euphorbiaceae
TRAGOPOGON DUBIUS	Scop.	Fistulous goat's beard	Tragopogon	Asteraceae
TRAGOPOGON PORRIFOLIUS	L.	Salsify, vegetable-oyster	Tragopogon	Asteraceae
TRAGOPOGON PRATENSIS	L.	Showy goat's beard	Tragopogon	Asteraceae
TRAUTVETTERIA CAROLINIENSIS	(Walt.) Vail	False bugbane	Trautvetteria	Ranunculaceae
TRIADENUM FRASERI	(Spach) Gle	Marsh St. John's-wort	Triadenum	Clusiaceae
TRIADENUM VIRGINICUM	(L.) Raf.	Marsh St. John's-wort	Triadenum	Clusiaceae
TRIBULUS TERRESTRIS	L.	Puncture-vine	Tribulus	Zygophyllaceae
TRICHOSTEMA BRACHIATUM	L.	Blue curls	Trichostema	Lamiaceae
TRICHOSTEMA DICHOTOMUM	L.	Blue curls	Trichostema	Lamiaceae
TRIDENS FLAVUS	(L.) A.S. Hitch	Purpletop	Tridens	Poaceae
TRIDENS FLAVUS var. CHAPMANII	(Small) Shin	Purpletop	Tridens	Poaceae
TRIDENS FLAVUS var. FLAVUS	(L.) A.S. Hitch	Purpletop	Tridens	Poaceae
TRIENTALIS BOREALIS	Raf.	Starflower	Trientalis	Primulaceae
TRIFOLIUM ARVENSE	L.	Rabbit-foot clover	Trifolium	Fabaceae
TRIFOLIUM AUREUM	Pollich	Palmate hop-clover	Trifolium	Fabaceae
TRIFOLIUM CAMPESTRE	Schreb.	Pinnate hop-clover	Trifolium	Fabaceae
TRIFOLIUM DUBIUM	Sibthorp	Little hop-clover	Trifolium	Fabaceae
TRIFOLIUM HYBRIDUM	L.	Alsike clover	Trifolium	Fabaceae
TRIFOLIUM PRATENSE	L.	Red clover	Trifolium	Fabaceae
TRIFOLIUM REPENS	L.	White clover	Trifolium	Fabaceae
TRIGLOCHIN MARITIMUM	L.	Common arrow-grass	Triglochin	Juncaginaceae
TRIGLOCHIN PALUSTRE	L.	Slender arrow-grass	Triglochin	Juncaginaceae
TRILLIUM CERNUUM	L.	Nodding trillium	Trillium	Liliaceae
TRILLIUM ERECTUM	L.	Purple trillium, Stinking Ben	Trillium	Liliaceae
TRILLIUM FLEXIPES	Raf.	Bent trillium	Trillium	Liliaceae
TRILLIUM GRANDIFLORUM	(Michx.) Sal	Big white trillium	Trillium	Liliaceae
TRILLIUM NIVALE	Riddell	Snow trillium	Trillium	Liliaceae
TRILLIUM PUSILLUM	Michx.	Least trillium	Trillium	Liliaceae
TRILLIUM RECURVATUM	Beck	Trillium, Wake-robin	Trillium	Liliaceae
TRILLIUM SESSILE	L.	Toadshade	Trillium	Liliaceae
TRILLIUM VIRIDE	Beck	Green trillium	Trillium	Liliaceae
TRIODANIS LEPTOCARPA	(Nutt.) Nieu	Narrow-leaved triodanis	Triodanis	Campanulaceae
TRIODANIS PERFOLIATA	(L.) Nieuwl.	Round-leaved triodanis	Triodanis	Campanulaceae
TRIODANIS PERFOLIATA var. BIFLORA	(Ruiz & Pav	Round-leaved triodanis	Triodanis	Campanulaceae
TRIODANIS PERFOLIATA var. PERFOLIATA	(L.) Nieuwl.	Round-leaved triodanis	Triodanis	Campanulaceae
TRIOSTEUM AURANTIACUM var. AURANTIFOLIUM	Bickn.	Horse-gentian	Triosteum	Caprifoliaceae
TRIOSTEUM PERFOLIATUM	L.	Perfoliate horse-gentian	Triosteum	Caprifoliaceae
TRIPHORA TRIANTHOPHORA	(Sw.) Rydb.	Three-birds orchid	Triphora	Orchidaceae
TRIPLASIS PURPUREA	(Walt.) Chap	Purple sand-grass	Triplasis	Poaceae
TRIPSACUM DACTYLOIDES	(L.) L.	Gama-grass	Tripsacum	Poaceae
TRisetum SPICATUM	(L.) Richter	Grass	Trisetum	Poaceae
TRITICUM AESTIVUM	L.	Common wheat	Triticum	Poaceae
TSUGA CANADENSIS	(L.) Carr.	Eastern hemlock	Tsuga	Pinaceae
TSUGA CAROLINIANA	Engelm.	Carolina hemlock	Tsuga	Pinaceae

RUSSULA FARFARA	L.	Coltsfoot	Tussilago	Asteraceae
TYPHA ANGUSTIFOLIA	L.	Narrow-leaved cat-tail	Typha	Typhaceae
TYPHA LATIFOLIA	L.	Common cat-tail	Typha	Typhaceae
ULMUS ALATA	Michx.	Winged elm	Ulmus	Ulmaceae
ULMUS AMERICANA	L.	White or American elm	Ulmus	Ulmaceae
ULMUS PARVIFOLIA	Jacq.	Elm	Ulmus	Ulmaceae
ULMUS PUMILA	L.	Elm	Ulmus	Ulmaceae
ULMUS RUBRA	Muhl.	Slippery or red elm	Ulmus	Ulmaceae
ULMUS THOMASII	Sarg.	Rock elm	Ulmus	Ulmaceae
URTICA DIOICA	L.	Nettle, stinging nettle	Urtica	Urticaceae
URTICA DIOICA ssp. GRACILIS	(Ait.) Seland	Nettle, stinging nettle	Urtica	Urticaceae
UTRICULARIA CORNUTA	Michx.	Naked bladderwort	Utricularia	Lentibulariaceae
UTRICULARIA GEMINISCAPA	Benj.	Mixed bladderwort	Utricularia	Lentibulariaceae
UTRICULARIA GIBBA	L.	Creeping bladderwort	Utricularia	Lentibulariaceae
UTRICULARIA INTERMEDIA	Hayne	Northern bladderwort	Utricularia	Lentibulariaceae
UTRICULARIA MACRORHIZA	Le Conte	Common bladderwort	Utricularia	Lentibulariaceae
UTRICULARIA MINOR	L.	Lesser bladderwort	Utricularia	Lentibulariaceae
UTRICULARIA PURPUREA	Walt.	Spotted bladderwort	Utricularia	Lentibulariaceae
UTRICULARIA RESUPINATA	B.D. Greene	Resupinate bladderwort	Utricularia	Lentibulariaceae
UTRICULARIA SUBULATA	L.	Slender bladderwort	Utricularia	Lentibulariaceae
UVULARIA GRANDIFLORA	Sm.	Bellwort, merrybells	Uvularia	Liliaceae
UVULARIA PERFOLIATA	L.	Bellwort, merrybells	Uvularia	Liliaceae
UVULARIA SESSILIFOLIA	L.	Bellwort, merrybells	Uvularia	Liliaceae
VACCINIUM ANGUSTIFOLIUM	Ait.	Common lowbush-blueberry	Vaccinium	Ericaceae
VACCINIUM ARBOREUM	Marsh.	Farkleberry	Vaccinium	Ericaceae
VACCINIUM CESPITOSUM	Michx.	Dwarf bilberry	Vaccinium	Ericaceae
VACCINIUM CORYMBOSUM	L.	Highbush-blueberry	Vaccinium	Ericaceae
VACCINIUM MACROCARPON	Ait.	Cranberry	Vaccinium	Ericaceae
VACCINIUM MEMBRANACEUM	Dougl. ex To	Mountain bilberry	Vaccinium	Ericaceae
VACCINIUM MYRTILLOIDES	Michx.	Velvetleaf blueberry	Vaccinium	Ericaceae
VACCINIUM OVALIFOLIUM	Sm.	Tall bilberry	Vaccinium	Ericaceae
VACCINIUM OXYCOCCOS	L.	Small cranberry	Vaccinium	Ericaceae
VACCINIUM PALLIDUM	Ait.	Hillside blueberry	Vaccinium	Ericaceae
VACCINIUM SPP				
VACCINIUM STAMINEUM	L.	Deerberry	Vaccinium	Ericaceae
VACCINIUM ULIGINOSUM	L.	Bog bilberry	Vaccinium	Ericaceae
VACCINIUM VITIS-IDAEA	L.	Lingonberry, mountain cranberry	Vaccinium	Ericaceae
VALERIANA OFFICINALIS	L.	Garden heliotrope	Valeriana	Valerianaceae
VALERIANELLA CHENOPODIIFOLIA	(Pursh) DC.	Great Lakes corn-salad	Valerianella	Valerianaceae
VALERIANELLA OZARKANA	Dyal	Corn-salad	Valerianella	Valerianaceae
VALERIANELLA RADIATA	(L.) Dufr.	Corn salad	Valerianella	Valerianaceae
VALERIANELLA UMBILICATA	(Sullivant) W	Corn-salad	Valerianella	Valerianaceae
VALLISNERIA AMERICANA	Michx.	Water celery	Vallisneria	Hydrocharitaceae
VERBASCUM BLATTARIA	L.	Moth mullein	Verbascum	Scrophulariaceae
VERBASCUM THAPSUS	L.	Common mullein	Verbascum	Scrophulariaceae
VERBENA BRACTEATA	Lag. & Rodr.	Prostrate vervain	Verbena	Verbenaceae
VERBENA HASTATA	L.	Common vervain	Verbena	Verbenaceae
VERBENA SIMPLEX				
VERBENA SIMPLEX	Lehm.	Narrow-leaved vervain	Verbena	Verbenaceae
VERBENA STRICTA	Vent.	Hoary vervain	Verbena	Verbenaceae
VERBENA URTICIFOLIA	L.	White vervain	Verbena	Verbenaceae
VERBESINA ALTERNIFOLIA	(L.) Britt. ex	Wingstem	Verbesina	Asteraceae
VERBESINA HELIANTHOIDES	Michx.	Ozark flatseed sunflower	Verbesina	Asteraceae
VERBESINA VIRGINICA	L.	Frostweed	Verbesina	Asteraceae
VERNONIA ARKANSANA	DC.	Ozark ironweed	Vernonia	Asteraceae
VERNONIA BALDWINII	Torr.	Western ironweed	Vernonia	Asteraceae
VERNONIA BALDWINII ssp. INTERIOR	(Small) Faus	Western ironweed	Vernonia	Asteraceae
VERNONIA FASCICULATA	Michx.	Smooth ironweed	Vernonia	Asteraceae
VERNONIA FASCICULATA ssp. CORYMBOSA	(Schwein. ex	Smooth ironweed	Vernonia	Asteraceae
VERNONIA GIGANTEA	(Walt.) Trel.	Tall ironweed	Vernonia	Asteraceae
VERNONIA MISSURICA	Raf.	Missouri Ironweed	Vernonia	Asteraceae
VERNONIA NOVEBORACENSIS	(L.) Michx.	New York ironweed	Vernonia	Asteraceae
VERONICA AGRESTIS	L.	Field speedwell	Veronica	Scrophulariaceae
VERONICA AMERICANA	Schwein. ex	American speedwell	Veronica	Scrophulariaceae
VERONICA ANAGALLIS-AQUATICA	L.	Water speedwell	Veronica	Scrophulariaceae
VERONICA ARVENSIS	L.	Corn speedwell	Veronica	Scrophulariaceae
VERONICA CHAMAEDRYS	L.	Germander speedwell	Veronica	Scrophulariaceae
VERONICA HEDERIFOLIA	L.	Ivy-leaved speedwell	Veronica	Scrophulariaceae
VERONICA LONGIFOLIA	L.	Long-leaved speedwell	Veronica	Scrophulariaceae
VERONICA OFFICINALIS	L.	Common speedwell	Veronica	Scrophulariaceae
VERONICA PEREGRINA	L.	Purslane speedwell	Veronica	Scrophulariaceae
VERONICA PEREGRINA ssp. XALAPENSIS	(Kunth) Pen	Purslane speedwell	Veronica	Scrophulariaceae
VERONICA SCUTELLATA	L.	Narrow-leaved speedwell	Veronica	Scrophulariaceae
VERONICA SERPYLLIFOLIA	L.	Thyme-leaved speedwell	Veronica	Scrophulariaceae

VERONICA VERNA	L.	Speedwell	Veronica	Scrophulariaceae
VERONICASTRUM VIRGINICUM	(L.) Farw.	Culver's root	Veronicastrum	Scrophulariaceae
VIBURNUM ACERIFOLIUM	L.	Dockmackie, flowering ma	Viburnum	Caprifoliaceae
VIBURNUM DENTATUM	L.	Arrow-wood	Viburnum	Caprifoliaceae
VIBURNUM DENTATUM var. DEAMII	(Rehd.) Fern	Arrow-wood	Viburnum	Caprifoliaceae
VIBURNUM DENTATUM var. LUCIDUM	Ait.	Arrow-wood	Viburnum	Caprifoliaceae
VIBURNUM EDULE	(Michx.) Raf.	Squashberry	Viburnum	Caprifoliaceae
VIBURNUM LANTANA	L.	Wayfaring tree	Viburnum	Caprifoliaceae
VIBURNUM LENTAGO	L.	Sheepberry, nannyberry	Viburnum	Caprifoliaceae
VIBURNUM MOLLE	Michx.	Missouri arrow-wood	Viburnum	Caprifoliaceae
VIBURNUM NUDUM var. CASSINOIDES	(L.) Torr. &	Withe-rod	Viburnum	Caprifoliaceae
VIBURNUM OPULUS	L.	Honeysuckle	Viburnum	Caprifoliaceae
VIBURNUM PLICATUM	Thunb.	Hobble-bush	Viburnum	Caprifoliaceae
VIBURNUM PRUNIFOLIUM	L.	Black haw	Viburnum	Caprifoliaceae
VIBURNUM RAFINESQUIANUM	J.A. Schulte	Downy arrow-wood	Viburnum	Caprifoliaceae
VIBURNUM RAFINESQUIANUM var. AFFINE	(Bush ex Sc	Downy arrow-wood	Viburnum	Caprifoliaceae
VIBURNUM RUFIDULUM	Raf.	Southern black haw	Viburnum	Caprifoliaceae
VIBURNUM TRILOBUM	Marsh.	Honeysuckle	Viburnum	Caprifoliaceae
VICIA AMERICANA	Muhl. ex Will	American vetch	Vicia	Fabaceae
VICIA AMERICANA ssp. MINOR	(Hook.) C.R.	American vetch	Vicia	Fabaceae
VICIA CAROLINIANA	Walt.	Pale vetch	Vicia	Fabaceae
VICIA CRACCA	L.	Bird vetch	Vicia	Fabaceae
VICIA SATIVA	L.	Common vetch	Vicia	Fabaceae
VICIA SEPIUM	L.	Hedge vetch	Vicia	Fabaceae
VICIA TETRASPERMA	(L.) Moench	Four-seed vetch	Vicia	Fabaceae
VICIA VILLOSA	Roth	Hairy vetch	Vicia	Fabaceae
VICIA VILLOSA ssp. VARIA	(Host) Corb.	Hairy vetch	Vicia	Fabaceae
VINCA MINOR	L.	Vetch	Vinca	Apocynaceae
VIOLA ADUNCA	Sm.	Hook-spurred violet	Viola	Violaceae
VIOLA AFFINIS	Le Conte	Violet	Viola	Violaceae
VIOLA ARVENSIS	Murr.	European field pansy	Viola	Violaceae
VIOLA BICOLOR	Pursh	Violet	Viola	Violaceae
VIOLA BLANDA	Willd.	Sweet white violet	Viola	Violaceae
VIOLA BLANDA var. PALUSTRIFORMIS	Gray	Sweet white violet	Viola	Violaceae
VIOLA CANADENSIS	L.	Tall white violet	Viola	Violaceae
VIOLA CANADENSIS var. RUGULOSA	(Greene) C.	Tall white violet	Viola	Violaceae
VIOLA CONSPERSA	Reichenb.	American dog violet	Viola	Violaceae
VIOLA CUCULLATA	Ait.	Blue marsh violet	Viola	Violaceae
VIOLA HASTATA	Michx.	Spear-leaved violet	Viola	Violaceae
VIOLA LANCEOLATA	L.	Strap-leaved violet	Viola	Violaceae
VIOLA MACLOSKEYI	Lloyd	Wild white violet	Viola	Violaceae
VIOLA MACLOSKEYI ssp. PALLENS	(Banks ex D	Wild white violet	Viola	Violaceae
VIOLA MISSOURIENSIS	Greene	Violet	Viola	Violaceae
VIOLA NEPHROPHYLLA	Greene	Violet	Viola	Violaceae
VIOLA NOVAE-ANGLIAE	House	Violet	Viola	Violaceae
VIOLA NUTTALLII	Pursh	Yellow prairie violet	Viola	Violaceae
VIOLA ODORATA	L.	Sweet violet	Viola	Violaceae
VIOLA PALMATA var. TRILOBA	(Schwein.)	Wood violet	Viola	Violaceae
VIOLA PEDATA	L.	Bird's foot violet	Viola	Violaceae
VIOLA PEDATIFIDA	G. Don	Wood violet	Viola	Violaceae
VIOLA PRATINCOLA	Greene	Violet	Viola	Violaceae
VIOLA PRIMULIFOLIA	L. (pro sp.)	Primrose-leaved violet	Viola	Violaceae
VIOLA PUBESCENS	Ait.	Yellow forest violet	Viola	Violaceae
VIOLA PUBESCENS var. LEOCARPON	(Fern. & Wie	Yellow forest violet	Viola	Violaceae
VIOLA PUBESCENS var. PUBESCENS	Ait.	Yellow forest violet	Viola	Violaceae
VIOLA RENIFOLIA	Gray	Kidney-leaved violet	Viola	Violaceae
VIOLA ROSTRATA	Pursh	Long-spurred violet	Viola	Violaceae
VIOLA ROTUNDIFOLIA	Michx.	Round-leaved yellow violet	Viola	Violaceae
VIOLA SAGITTATA	Ait.	Arrowhead violet	Viola	Violaceae
VIOLA SELKIRKII	Pursh ex Go	Great-spurred violet	Viola	Violaceae
VIOLA SORORIA	Willd.	Violet	Viola	Violaceae
VIOLA SPP				
VIOLA STRIATA	Ait.	Creamy violet	Viola	Violaceae
VIOLA TRICOLOR	L.	Johnny-jump-up	Viola	Violaceae
VITIS AESTIVALIS	Michx.	Summer grape, pigeon gra	Vitis	Vitaceae
VITIS AESTIVALIS var. ARGENTIFOLIA	(Munson) Fe	Summer grape, pigeon gra	Vitis	Vitaceae
VITIS CINEREA	(Engelm.) E	Graybark grape, pigeon gr	Vitis	Vitaceae
VITIS LABRUSCA	L.	Fox grape	Vitis	Vitaceae
VITIS LABRUSCANA	Bailey	Fox grape	Vitis	Vitaceae
VITIS RIPARIA	Michx.	Frost grape, winter grape	Vitis	Vitaceae
VITIS RUPESTRIS	Scheele.	Sand- or sugar-grape	Vitis	Vitaceae
VITIS SPP				
VITIS VULPINA	L.	Frost grape, winter grape,	Vitis	Vitaceae
VULPIA MYUROS	(L.) K.C. Gr	Rat-tail fescue	Vulpia	Poaceae

VULPIA OCTOFLORA	(Walt.) Rydb	Six-weeks fescue	Vulpia	Poaceae
VULPIA OCTOFLORA var. GLAUCA	(Nutt.) Fern.	Six-weeks fescue	Vulpia	Poaceae
VULPIA OCTOFLORA var. OCTOFLORA	(Walt.) Rydb	Six-weeks fescue	Vulpia	Poaceae
WALDSTEINIA FRAGARIOIDES	(Michx.) Tratt	Barren strawberry	Waldsteinia	Rosaceae
WALDSTEINIA FRAGARIOIDES ssp. DONIA	(Tratt.) Tepp	Barren strawberry	Waldsteinia	Rosaceae
WICRUNK1005/1997				
WICRUNK105/1997				
WICRUNK1305/1997				
WICRUNK1405/1997				
WICRUNK1505/1997				
WICRUNK1605/1997				
WICRUNK1805/1997				
WICRUNK1905/1997				
WICRUNK109/1997				
WICRUNK205/1997				
WICRUNK209/1997				
WICRUNK305/1997				
WICRUNK309/1997				
WICRUNK405/1997				
WICRUNK409/1997				
WICRUNK505/1997				
WICRUNK805/1997				
WICRUNK905/1997				
WICRUNKCAREX1005/1997				
WICRUNKCAREX105/1997				
WICRUNKCAREX205/1997				
WICRUNKCAREX405/1997				
WICRUNKCAREX505/1997				
WICRUNKCAREX605/1997				
WICRUNKCAREX705/1997				
WICRUNKCOMM05/1997				
WICRUNKCOMPOSITE209/1997				
WICRUNKDESMODIUM1005/1997				
WICRUNKDESMODIUM105/1997				
WICRUNKDESMODIUM109/1997				
WICRUNKDESMODIUM305/1997				
WICRUNKDESMODIUM309/1997				
WICRUNKDESMODIUM405/1997				
WICRUNKDESMODIUM705/1997				
WICRUNKDESMODIUM805/1997				
WICRUNKDESMODIUM905/1997				
WICRUNKEUPHORBIA105/1997				
WICRUNKFESTUCA109/1997				
WICRUNKGRASS109/1997				
WICRUNKGRASS305/1997				
WICRUNKLEGUME105/1997				
WICRUNKPANICUM109/1997				
WICRUNKPOLYGONACEAE105/1997				
WICRUNKRANA105/1997				
WICRUNKRANA109/1997				
WICRUNKRANA405/1997				
WICRUNKROSA105/1997				
WICRUNKRUDBECKIA109/1997				
WICRUNKRUDBECKIA309/1997				
WICRUNKSHRUB205/1997				
WICRUNKVIOLA305/1997				
WISTERIA FRUTESCENS	(L.) Poir.	Atlantic wisteria	Wisteria	Fabaceae
WOLFFIA COLUMBIANA	Karst.	Water-meal	Wolffia	Lemnaceae
WOODSIA ABBEAE	Butters	Cliff fern	Woodsia	Dryopteridaceae
WOODSIA ILVENSIS	(L.) R. Br.	Rusty cliff fern	Woodsia	Dryopteridaceae
WOODSIA OBTUSA	(Spreng.) To	Blunt cliff fern	Woodsia	Dryopteridaceae
WOODSIA OREGANA	D.C. Eat.	Western cliff fern	Woodsia	Dryopteridaceae
WOODSIA OREGANA ssp. CATHCARTIANA	(B.L. Robins	Western cliff fern	Woodsia	Dryopteridaceae
WOODSIA SCOPULINA	D.C. Eat.	Mountain cliff fern	Woodsia	Dryopteridaceae
WOODWARDIA AREOLATA	(L.) T. Moor	Netted chain fern	Woodwardia	Blechnaceae
WOODWARDIA VIRGINICA	(L.) Sm.	Virginia chain fern	Woodwardia	Blechnaceae
XANTHIUM STRUMARIUM	L.	Common cocklebur	Xanthium	Asteraceae
XANTHIUM STRUMARIUM var. CANADENS	(P. Mill.) Tor	Common cocklebur	Xanthium	Asteraceae
XANTHIUM STRUMARIUM var. GLABRATU	(DC.) Cronq.	Common cocklebur	Xanthium	Asteraceae
XYRIS CAROLINIANA	Walt.	Yellow-eyed grass	Xyris	Xyridaceae
XYRIS MONTANA	Ries	Yellow-eyed grass	Xyris	Xyridaceae
XYRIS TORTA	Sm.	Yellow-eyed grass	Xyris	Xyridaceae
YUCCA FILAMENTOSA	L.	Adam's needle	Yucca	Agavaceae
YUCCA GLAUCA	Nutt.	Soap plant	Yucca	Agavaceae

ZANNICHELLIA PALUSTRIS	L.	Horned pondweed	Zannichellia	Zannichelliaceae
ZANTHOXYLUM AMERICANUM	P. Mill.	Common prickly ash	Zanthoxylum	Rutaceae
ZEAMAYS	L.	Corn	Zea	Poaceae
ZIGADENUS ELEGANS	Pursh	Death camas	Zigadenus	Liliaceae
ZIGADENUS ELEGANS ssp. GLAUCUS	(Nutt.) Hulte	White camas	Zigadenus	Liliaceae
ZIGADENUS VENENOSUS var. GRAMINEU	(Rydb.) Wal	Death camas	Zigadenus	Liliaceae
ZIZANIA AQUATICA	L.	Wild rice	Zizania	Poaceae
ZIZIA APTERA	(Gray) Fern.	Heart-leaved golden alexa	Zizia	Apiaceae
ZIZIA AUREA	(L.) W.D.J.	Common golden alexander	Zizia	Apiaceae

