ERIGENIA

Number 15
November 1997

Journal of the Illinois Native Plant Society

ERIGENIA

Number 15, November 1997

The Illinois Native Plant Society Journal

The Illinois Native Plant Society is dedicated to the preservation, conservation, and study of the native plants and vegetation of Illinois.

ERIGENIA is named for *Erigenia bulbosa* (Michx.) Nutt. (harbinger of spring), one of our earliest blooming woodland plants. The first issue was published in August 1982.

(ISSN 8755-2000)

COVER ILLUSTRATION

Original drawing by Mark Mohlenbrock of five examples of our Illinois flora: *Camassia scilloides* (Raf.) Cory, *Carex pensylvanica* Lam., *Dodecatheon meadia* L., *Quercus macrocarpa* Michx., and *Tradescantia virginiana* L.

It is dedicated to Mark's father, Dr. Robert H. Mohlenbrock, who has devoted his career to the study of our state's flora.

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Floristic Quality Assessment for Vegetation in Illinois
A Method for Assessing Vegetation Integrity

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ABSTRACT: Floristic Quality Assessment (FQA) is proposed as a method to assess floristic integrity in Illinois. For the application of FQA, each taxon in the Illinois vascular flora was assigned an integer from 0 to 10 termed a coefficient of conservatism (C). Two basic ecological tenets that the coefficients represent are that plant species differ in their tolerance to disturbance and disturbance types, and that plant species display varying degrees of fidelity to habitat integrity.

With these principles as a guide, the coefficient applied to each taxon represents a rank based on observed behavior and patterns of occurrence in Illinois plant communities and our confidence that a taxon is remnant (natural area) dependent. Species given a C value of 0-1 are taxa adapted to severe disturbances, particularly anthropogenic disturbances, occurring so frequently that often only brief periods are available for growth and reproduction. Species ranked with a C value of 2-3 are associated with somewhat more stable, though degraded, environments. Those species with coefficients 4-6 include many dominant or matrix species for several habitats; they have a high consistency of occurrence within given community types. Species with C values 7-8 are taxa we associate mostly with natural areas, but that can be found persisting where the habitat has been degraded somewhat. Those species with coefficients 9-10 are considered to be restricted to high-quality natural areas.

A floristic quality index (FQI) and a mean coefficient of conservatism ($\bar{C}$) are two of the values derived from floristic inventory data. Other derived parameters include species richness, relative importance, percent of taxa that are native and adventive, number of rare species, and guild diversity (including wetness and conservatism ranks, and physiognomic classes). We suggest that FQA is a promising tool that can be used to discriminate natural quality of vegetation on the Illinois landscape and to make time-series comparisons in ecological studies. We suggest the use of certain parametric and nonparametric statistical tests, such as analysis of variance, mean-separation techniques, and goodness-of-fit tests, that can aid in distinguishing nonrandom differences in floristic quality.

Introduction

Patterns of vegetation are reliable indicators of several biotic and abiotic factors. Biotic interactions among species and abiotic factors (including edaphic and climatic characteristics) influence plant assemblages in many complex ways that lead to the expression of differences at the species, community, and ecosystem levels. Overlying these influences is disturbance history. Disturbances differ in frequency, intensity, and duration. Infrequent disturbances of low intensity and short duration can have relatively negligible impacts on the integrity of a plant community. However, as frequency, intensity, and/or duration increase, damage and ultimately degradation can occur, resulting in predictable changes in plant community characteristics, particularly composition. Differentiating vegetation on the basis of level of degradation is an important step in attempting to conserve biodiversity. For example, preserve selection and design (size and shape) of areas often are influenced by qualitative differences in vegetation. This paper describes a method for discerning floristic integrity in Illinois.

Floristic Quality Assessment (FQA) is a method that uses a floristic quality index (FQI), introduced by Wilhelm (1977) and Swink and Wilhelm (1979, 1994), and modified here for the Illinois vascular flora. FQA integrates FQI with other vegetation parameters. These include mean coefficient of conservatism, species richness, percent native and adventive species, guild diversity for various physiognomic and conservatism classes, number of threatened and endangered species, and type of natural community and grades following the classification and grading criteria established by the Illinois Natural Areas Inventory (White 1978). FQA can be used to make spatial as well as time-series comparisons, and in this way FQA can be effective in tracking vegetational changes in restoration,

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reconstruction, or control situations, and in evaluating parameters across environmental and disturbance gradients. Species abundance measures also can be included in FQA evaluations. In this paper we discuss key terminology, describe the method of FQA for the Illinois vascular flora, offer suggested applications and statistical analyses, and urge experimental tests of hypotheses related to floristic quality. We caution that any vegetative assessment based on a single index is likely to be insufficient to account for all possible relevant aspects. As an introduction, a short history of habitat assessment methods, particularly those used in Illinois, is given. Selected issues in plant-community ecology are included as background information.

Background on Assessment Methods for Natural Areas

Methods for making qualitative assessments of biological communities have had expanding roles in the conservation of lands and habitats as development pressures increase. An Index of Biological Integrity has been developed based on characteristics of fish community composition (Karr et al. 1986) and for ant populations (Majer and Beeston 1996). Migratory bird species have been ranked according to perceived prioritization of habitat and species conservation goals (Hunter et al. 1993). There is a recognized need for simple, sensitive, readily interpretable, and ecologically meaningful methods of classifying vegetation according to levels of ecological integrity (Keddy et al. 1993), particularly for use by the nonspecialist (Grime 1974). In addition, a rapid method of assessment often is needed, particularly when evaluating large portions of a landscape (e.g., proposed highway-construction corridors that cross numerous remnants of native vegetation and natural community types). Ordination techniques can be used effectively to examine relationships among vegetation (and abiotic) sample data. However, these indirect measures are not particularly rapid and are value-neutral, limiting their application for making qualitative assessments of biotic communities, particularly in the heterogeneous landscape.

Two developments have been key in the identification and protection of natural areas in Illinois. First, in 1963, the Illinois Nature Preserves Commission was formed to administer the development of a system of nature preserves as representative examples of the natural history of the state. Second, during the mid 1970s, the Illinois Natural Areas Inventory (INAI) was an effort to conduct a comprehensive county-by-county inventory of natural areas (White 1978). A method for assessing habitat qualities was developed for the INAI, to aid in the identification of significant remnants of natural communities. Several site characteristics were integrated in the natural community grading method, including aspects of vegetation such as perceived successional stage, evidence of disturbance, and presence and relative-abundance patterns for species characteristic of particular habitats and levels of disturbance. The INAI used a discontinuous, determinant grading scale, where habitat remnants received a grade of A, B, C, D, or E (defined under Illinois Natural Areas Inventory Grades in the glossary) in accordance with increasing degrees of disturbance reflected in the community characteristics (White 1978). Herein, reference to INAI natural areas will be made with capital letters (Natural Area).

Independent of the INAI was the development of a method of natural area identification using a continuous, indeterminate scale called a Natural Area Rating Index (NARI) based on floristic composition (Wilhelm 1977, Swink and Wilhelm 1979, Wilhelm and Ladd 1988). The NARI was developed as an aid in discriminating natural quality of vegetation among open lands in the Chicago region and is based on an index derived from the composition of vascular plants at a site. Because vegetation spans the entire disturbance gradient from an urban lot or cropland to relatively "pristine" habitats, a continuous scale offers some refinement to qualitative distinctions of floristic characteristics. This characteristic in particular made the Natural Area Rating Index a valuable tool for identifying degraded remnants of native vegetation having recovery potential, given appropriate management.

Principal criticisms of the method have included the following: 1) the coefficient range chosen, which began with −3 for the most invasive adventive species and increased by intervals of 1 to a coefficient of 10 (coefficients of 15 and 20 were used for very rare species), 2) a lack of consideration for species abundance, and 3) the subjective nature of coefficients assigned to each taxon and differences in interpretation of them. Refinements of the method led to a revised scale of coefficients that ranged from 0 to 10; all adventive species were assigned an asterisk with a numerical value of 0. For clarity the method was renamed Floristic Quality Assessment (Swink and Wilhelm 1994).

Abundance measures for species, as described later in this paper, are readily accommodated in FQA and should be included in any assessment of vegetation when possible. It is important to acknowledge that natural quality assessments are subject to bias and require more or less subjective judgements at the current state of community ecological science (Crovello 1970). The FQA method, though subjective, permits dispassionate and repeatable application because its value judgements are predetermined. Assessment methods based on FQA have been developed in Ohio (Andreas and Lichvar 1995), Michigan (Herman et al. 1996), Missouri (Ladd 1993), and southern Ontario (Oldham et al. 1995), and elaborated on by Masters (1997).

In addition to investigating the current composition and structure of the vegetation, any assessment of vegetation quality should also give attention to degradation factors at the landscape, ecosystem, and community levels, and the historic (presettlement) and contemporary natural disturbance regimes.

Principles of Plant Community Ecology Relative to Floristic Quality Assessment

Plants can be classified into groupings based on a variety of species characteristics such as physiognomy, phenology, and ecophysiology, and habitat characteristics such as soil type, light, moisture, and disturbance regimes. In heavily developed landscapes such as Illinois, and similarly in Great Britain, contemporary anthropogenic disturbances to vegetation are often the predominant influences on composition (Hodgson 1986), and thus are dominant among assembly and response rules for communities (*sensu* Keddy 1992). Species sort selectively into this disturbance matrix; the opportunistic species become more common as the landscape becomes more unstable. The coefficients of conservatism used in FQA are an attempt to categorize species according to their response to levels of habitat degradation.

Three general topics in plant community ecology—disturbance ecology, the maintenance of diversity, and successional theory—are particularly relevant to the concept of floristic quality because they provide a framework for understanding patterns and trends, particularly at the population and community levels. Disturbance is a general term referring to any perturbation. Plant communities can be *damaged* when severely disturbed and are *degraded* when recovery to its native biological diversity (original condition) is unlikely under normal circumstances. Degraded lands have lost some aspects of ecosystem structure such as species composition. Degraded lands are termed *derelict* when land use becomes very limited (Brown and Lugo 1994). They can be further distinguished as those that can be *restored* to nearly original condition through some management effort, *rehabilitated* to a condition somewhat similar to the original but where compositional differences remain (Lovejoy 1975) or, at best, *reclaimed* to a limited degree in severe cases such as strip mining.

Many midwestern plant communities were formed and historically maintained with landscape-scale processes that include disturbances such as periodic fire, as well as grazing or browsing impacts by large herbivores (Anderson 1983, 1990). Additional considerations in regard to disturbance regimes are addressed under Ecological Integrity in the methods section and in the discussion of succession below.

Different survival strategies have evolved among organisms for coping with disturbances. Among the hypotheses of mechanisms to account for these strategies are MacArthur and Wilson's (1967) r- and K-selected species, Grubb's (1977) regeneration niche, and Grime's regenerative flexibility for ecological amplitude (Grime 1974, Grime et al. 1988). For the latter, species survival strategies are considered to be shaped by an equilibrium among the ecological forces of competition, stress, and disturbance. These forces serve as axes for ordinating species' responses in Grime's "triangles." These ordinations yield three general life strategies referred to as the C-S-R model: competitors, stress tolerators, and ruderals.

Whittaker (1965) recognized that plant communities could be described by three basic dominance-diversity curves that differ in the cumulative proportion of importance of species. Species-poor communities are strongly dominated by a few taxa; in communities with high species richness, no species is strongly dominant. Many communities are intermediate, composed of a few taxa with high relative abundance and many intermediate and rare species. Several studies suggest that intermediate levels of available resources (nutrients and physical factors) support the greatest diversity (Tilman 1986, Ashton 1989, Tilman and Pacala 1993). Intermediate levels of disturbance also appear important in the maintenance of diversity in many communities (Connell 1978, Tester 1989), although the maintenance of peak

levels of plant species diversity in some particularly fire-dependent systems appears to require frequent perturbations (Walker and Peet 1983).

The groupings described above are useful in that they attempt to provide both order to species assemblages and predictability regarding the rate and direction of changes in response to such things as human-influenced disruptions. In all of the models, spatial and temporal heterogeneity within and among habitats is a critical factor in the maintenance of species diversity at the community level of organization or higher.

Succession is a frequently used term for the description of vegetational change through time. Clements (1936) argued that succession was an orderly and predictable process leading to a "climax" community, depending on climate and other factors. Typically, primary succession is initiated on exposed parent materials, while secondary succession involves changes in vegetational characteristics following events such as abandonment of cropland, clear-cutting of forests, or drainage of wetlands. However, climax is an ambiguous term (Crawley 1986) and appears to have little practical meaning if considered without regard to regional disturbance regimes or historical antecedents. In landscapes such as those in the Midwest, the development of many native plant communities was dependent on anthropogenic fires, the practice of which dates back to the postglacial era. In such circumstances the cessation of fire could be regarded as a "disturbance."

Indiscriminate use of the term succession may obfuscate the fact that certain plant communities require periodic perturbations such as fire for the maintenance of structural characteristics and compositional diversity. If unidirectional successional trends in these communities were among our conservation goals, we would not be concerned with vegetational changes such as those from prairie communities to forest-like assemblages or from biodiverse oak-dominated woodlands to maple-dominated forest. Such changes, however, often result in a loss of species richness (Wilhelm 1991, Taft et al. 1995), particularly in our highly fragmented landscape, where species immigration, needed to compensate for local extirpations of species, is seriously challenged.

The term succession, when used for changes in vegetation following severe anthropogenic disturbances, may be misleading. Without detailed experimental studies of various disturbance factors on different vegetation types, we do not know how extensively vegetation "succeeds" or recovers to a more stable condition. Without knowledge of the immigration potential for replacement species, we have no way to predict accurately the composition or structure of subsequent communities. Consequently, the assumptions of directional trends in secondary succession leading toward the original (presettlement) plant community may have lost relevance where the landscape is highly fragmented. Using terminology from disturbance ecology (e.g., degraded, derelict) when describing the natural condition of a site may be clearer than speculations about successional phases (e.g., early successional, late successional) of disturbed vegetation. Apparently, many degraded sites persist in states of perpetual botanical purgatory (Taft 1996).

METHODS

In Floristic Quality Assessment (FQA), floristic inventory data are used to calculate several parameters of vegetation. These include the following measures, each defined and described in greater detail in subsequent sections: 1) species richness, 2) floristic quality index (FQI), 3) mean coefficient of conservatism ($\bar{C}$), 4) guild diversity (frequency distribution among physiognomic and conservatism classes), 5) species relative importance, 6) number and percent rare and adventive species, and 7) wetness characteristics. These data are presented in a summary table. The FQI and $\bar{C}$ are derived from coefficients of conservatism assigned to each taxon in the Illinois vascular flora. Important terms related to FQA are defined in the glossary; key concepts and terminology underlying the general philosophy of FQA are discussed below. Recommendations for applying and analyzing selected FQA results are included. We undertake this effort with the knowledge that contending with the entire flora of Illinois overextends our collective experience to some extent. The judgments presented here are based primarily on our cumulative total of over 60 years of botanical and ecological field study throughout Illinois and the Midwest.

Botanical nomenclature in the text and appendix approximates Mohlenbrock (1986). Many hybrids and certain subspecific taxa such as *forma* are not included; some varieties were omitted when we perceived them not to vary ecologically from the typical variety. Recently recorded species for Illinois are also included. The listing of species in Appendix I is not to be interpreted as a definitive flora of Illinois; it is intended

solely to be reference database for applications of Floristic Quality Assessment.

The list in Appendix I comprises 2,091 native taxa and 955 non-native taxa, for a total of 3,046 taxa, compared with Mohlenbrock's (1986) total of 3,203 taxa, which included 101 hybrids. It is beyond the scope of this paper to list currently accepted nomenclatural synonomy for each taxon; such a list soon would be out of date. Unfortunately, scientific names of plants in North America are in a state of flux, with often conflicting nomenclatural treatments (Little 1979, Kartesz and Kartesz 1980, Soil Conservation Service 1982, Gunn et al. 1992, Morin 1993, and Kartesz 1994). Only a single common name for each taxon is offered, despite the fact that many taxa are known by a variety of colloquial names. An attempt was made to use common names with the widest appeal; they are taken mostly from Mohlenbrock (1986), Swink and Wilhelm (1994), and Robertson (1994).

Physiognomic designations are subject to interpretation. Terms such as annual, biennial, perennial, shrub, and tree sometimes imperfectly depict the habit of plants, but for the purposes of guild formation in FQA analysis, such designations can be useful in describing structural differences or changes.

Terminology and Concepts

Coefficient of Conservatism. For the application of FQA, each taxon in the Illinois vascular flora was assigned an integer from 0 to 10, termed a coefficient of conservatism (C). The coefficients represent two basic ecological tenets: plants differ in their tolerance to disturbance type, frequency, and amplitude, and plants display varying degrees of fidelity to habitat integrity. With these principles as a guide, the C value applied to each taxon represents a relative rank based on observed behavior and patterns of occurrence in Illinois plant communities and our confidence that a taxon is remnant (natural area) dependent. The authors reached consensus on these coefficients through committee effort and, in some cases, with consultation from reviewers of the manuscript. For certain taxa we supplemented our field experience by examining range maps (Mohlenbrock and Ladd 1978) and reviewing comments regarding habitats in several floras (Deam 1940, Gleason 1952, Steyermark 1963, Sheviak 1974, Mohlenbrock 1986, Swink and Wilhelm 1994). The native species most successful in badly damaged habitats were given C values of 0. At the other end of the spectrum, species virtually restricted to natural areas in Illinois received C values of 10. All 957 non-native species were assigned asterisks (*) and are treated as 0s in the calculations for site indices (FQI and $\bar{C}$). These calculations are further discussed in comments under Floristic Quality Index below and in the glossary. Species native to Illinois, but also occurring escaped from cultivation (e.g., *Pinus* spp.), should be ranked as non-native species when found in such situations.

With these criteria for designating coefficients, our approach was somewhat different from past efforts. For example, we are not intending to estimate the degree to which a species is restricted to a certain habitat, or to gauge its modality according to Curtis (1959). Many relatively conservative taxa (e.g., *Amorpha canescens, Baptisia leucophaea, Cypripedium candidum, Drosera rotundifolia, Gaylussacia baccata, Osmunda cinnamomea, Ceanothus americanus,* and *Viola pedata*) occur regularly in more than one plant community, as defined by White and Madany (1978). In addition, we were not attempting to estimate rarity, although some circularity of reasoning was unavoidable when evaluating very rare taxa known only from a few natural areas.

Reasons for rarity in the Illinois flora are many (Taft 1995) and include several recognized by Rabinowitz (1981). Scale of inference influences what is considered a rare species. Many species that are rare within the political boundaries of Illinois are abundant elsewhere. Many conservative taxa are not at risk of extirpation from the state, but are regionally quite rare because of habitat loss and degradation. Commonness and rarity of plant species in England have been considered in terms of ecological, taxonomic, and evolutionary processes within a landscape characterized by tremendous habitat loss and degradation (Hodgson 1986). Although common and rare species at local scales may be strongly correlated to measurable traits, there is so much variability in ecological, taxonomic, and evolutionary characteristics of species at the statewide scale (Schwartz 1993) that these groupings do not address consistently our criteria for conservatism. Although rarity is not a criterion for assignment of C values, it forms a part of the matrix of parameters in FQA.

The coefficients, in part, can be considered in terms of Grime's (1974) survival strategies. Species given a C value of 0–1 correspond to Grime's ruderal species and those with a C value of 2–3 correspond to ruderal-competitive species. This broad, combined species guild includes taxa adapted to frequent and severe disturbances,

including anthropogenic disturbances that often result in only brief opportunities for reproduction. Under such a disturbance regime, only species capable of maintaining populations under such conditions are present, including those that rapidly grow, flower, and produce fruits (e.g., *Ambrosia trifida, Amaranthus rudis, Cassia fasciculata, Conyza canadensis, Erigeron annuus, Impatiens capensis, Lactuca canadensis, Lepidium virginicum, Oxalis stricta, Parietaria pensylvanica,* and *Vulpia octoflora*). Many are capable of persisting in seed banks, and some have wind-dispersed seeds—two strategies that allow species to sort into suitable, newly disturbed habitats. Some longer-lived species capable of persisting with frequent disturbances such as siltation, flooding, and grazing are also included in this group (e.g., *Acer saccharinum, Crataegus pruinosa, Gleditsia triacanthos, Populus deltoides, Ribes missouriense, Rubus occidentalis,* and *Symphoricarpos orbiculatus*). These taxa constitute approximately 17% of our native flora. In conjunction with many of the adventive elements, these species now dominate the contemporary Illinois landscape.

Species assigned coefficients 4–6 correspond roughly to Grime's competitors. These include many dominant or matrix species for several habitats (e.g., *Andropogon gerardii, Carex artitecta, C. pensylvanica, C. stricta, Carya ovata, Panicum virgatum, Quercus alba, Schizachyrium scoparium,* and *Sorghastrum nutans*) and species that are often expected, or have high consistency, in a given community type (e.g., *Aesculus glabra, Arisaema triphyllum, Delphinium tricorne, Phlox divaricata, Silphium integrifolium, Smilacina racemosa, Thalictrum dioicum, Trillium recurvatum,* and *Zizia aurea*). Many can persist with light to moderate disturbances for intermediate periods, but may decline with an increase in intensity, frequency, or duration of disturbance. Some species that are range restricted, such as *Boltonia decurrens,* which is listed as a threatened species by the U.S. Fish and Wildlife Service (USFWS 1988) and the Illinois Endangered Species Protection Board (Herkert 1991), and other species that are rare in Illinois such as *Scirpus paludosus,* and *Tradescantia bracteata,* are included in the 4–6 category. In the contemporary Illinois landscape these species demonstrate considerable tolerance to disturbance and even habitat degradation, but usually not to the extent characteristic of the ruderal-competitor species guild.

On occasion, during the coefficient assessment phase of this project, we needed to evaluate taxa that demonstrate regional behavioral differences in Illinois, such as *Asclepias tuberosa* and *Oxalis violacea.* These species are occasional to common in degraded habitats in far southern Illinois, but in central and northern Illinois they are more restricted to remnant areas. In these instances, we assigned an intermediate value such as 5.

The species having C values of 7–10 are less clearly aligned with Grime's model. Grime et al. (1988) defined the third guild, stress tolerators, to include species that persist where plant productivity is continuously limited by the environment. A more specific definition of Grime's stress tolerators, offered in an editorial by Duffey (1986), includes "species that are slow-growing, long-lived and often rather immobile plants of infertile habitats or late-successional vegetation." Our criteria for species ranked with coefficients 7–10 allow the inclusion of species that may tolerate stress, but through a variety of mechanisms. More germane to qualitative floristic assessments, these taxa do not tolerate much habitat degradation. Consequently, this guild includes some annuals and biennials (e.g., *Agalinis gattingeri, Draba cuneifolia, Hottonia inflata, Iresine rhizomatosa, Lechea intermedia, Oenothera linifolia, Polygala incarnata,* and *Utricularia minor*). However, like Grime's stress tolerators, most taxa in this guild are long-lived perennials (e.g., *Asclepias meadii, A. viridiflora, Carex disperma, C. pedunculata, C. prasina, Clitoria mariana, Cystopteris bulbifera, Gymnocarpium dryopteris, Lilium philadelphicum, Mentzelia oligosperma, Sedum telephioides, S. ternatum,* and *Talinum parviflorum, Woodsia ilvensis*). The species ranked with coefficients 7–8 include taxa we associate mostly with natural areas but which can be found persisting where the habitat has been degraded somewhat (e.g., *Actaea pachypoda, Caulophyllum thalictroides, Ceanothus americanus, Lysimachia quadriflora, Peltandra virginica, Phlox pilosa, Spigelia marilandica,* and *Viburnum rufidulum*). Like the matrix species (C values of 4–6), if the disturbance resulting in degradation increases in frequency, intensity, or duration, these taxa are expected to undergo reduction in population sizes and eventually be prone to local extirpation. Species with coefficients 9–10 are considered to be restricted to relatively intact natural areas.

Though there is some commonality between the C-S-R model (Grime et al. 1988) and the concept of conservatism, we lack the experimental autecological evidence to ordinate species into Grime's triangles. Further, species assigned C values of 7–10 do not fit consistently into Grime's C-S-R model, unless the stress-tolerator guild is more broadly defined to include species

found primarily in semistable habitat remnants (sometimes referred to as "late-successional" communities).

Unfortunately, taxa included among each major cohort of coefficients (0–3, 4–6, 7–10) span a range that is too broad taxonomically, ecologically, and physiognomically for any objective natural sorting to serve as a guide to species rankings that meet our guiding principles for the coefficients of conservatism (see above). For that reason, we based our judgments for the assignments of the coefficients on the observed behavior of individual elements of the flora within the context of their Illinois ranges. Applying our judgments was necessary since it is likely we will never have sufficient experimental data to make predictions about floristic quality and ecological integrity for the diversity of habitats, species, and disturbance regimes in Illinois using more ostensibly "objective" methods. Furthermore, rapid and repeatable techniques for evaluating the integrity of plant communities are needed now, particularly when assessing complex patterns of vegetation in large sections of the landscape.

Ecological and Community Integrity. There are both functional and structural aspects of ecosystems. Ecosystem function involves the flow of energy and matter, while structure is characterized by biotic interactions, composition, and form. Ecological or community integrity can be viewed as the degree to which self-correcting properties are exhibited when an ecosystem is exposed to disturbance (Regier 1993). Natural disturbances are perturbations that occur routinely in a system and to which the component taxa have tolerance or adaptations. They can occur at many different scales. Tree falls and gopher mounds are examples of small-scale perturbations. Fire is an example of a large-scale natural disturbance in many Midwestern plant communities, and fire frequency and timing are important determining factors for many community characteristics. Fire absence can result in dramatic changes in community structural characteristics (Taft 1997). Perturbations that exceed the intensity, frequency, or duration of the natural disturbance regime can result in loss of species that lack tolerance or adaptations to the new levels. When certain species, or assemblages of taxa, are extirpated from a community, the system's capability for restoration is diminished, and integrity is lowered.

Integrity can be lowered not only by the loss of species and the diminishment of abiotic processes and certain aboriginal practices, but also from the invasion of adventive taxa. Adventive taxa in a system may sort into disturbance or habitat niches, replace many native taxa over time, and interfere with rates of recovery processes (Cohen et al. 1995).

Measuring ecological integrity based on ecosystem function alone may not provide the resolution needed to detect important changes. For example, biomass and productivity may not change dramatically in a palustrine wetland impacted by siltation or altered flooding regimes where only a few tolerant taxa persist (e.g., *Typha* spp. and *Phalaris arundinacea*). However, the structural integrity of a formerly diverse graminoid wetland is lost in this near monoculture, as when, for example, a discharge wetland is converted to a surface runoff wetland as a result of ambient watershed alterations. Integrity of both ecosystem structure and function is reduced in a heavily grazed (or browsed) woodland when soil compaction and intense herbivory result in losses in moisture, nutrient availability, biomass, and diversity, as well as changes in species composition. Floristic Quality Assessment addresses the structural aspects of ecosystem integrity.

Floristic Quality Index. The FQI is a weighted index of species richness (N), and is the arithmetic product of the average coefficient of conservatism ($\bar{C}$) and the square-root of species richness ($\sqrt{N}$) of an inventory unit. The square-root transformation of N limits the variable influence of area alone on species richness (Swink and Wilhelm 1979, 1994). In practice, it is possible for two sites with the same $\bar{C}$ to have different FQIs, and it is possible for two sites with the same FQI to have different $\bar{C}$ values. Relatively degraded sites can have an FQI similar to or greater than high-quality natural areas if they support a much greater native species richness. This can occur when there are substantial differences in size, levels of habitat heterogeneity, or inventory effort among compared sites. This and other relationships among the FQI, $\bar{C}$, and N are illustrated in figure 1. Thus, rather than relying on a single index to describe floristic integrity, it is usually necessary to include more than one parameter of the composition to estimate more precisely site floristic integrity.

For the floristic parameters FQI, $\bar{C}$, and N, we recommend that calculations be made using all species (native and adventive) as well as native species only. As noted previously, the establishment of exotic species in a natural community often can result in the replacement

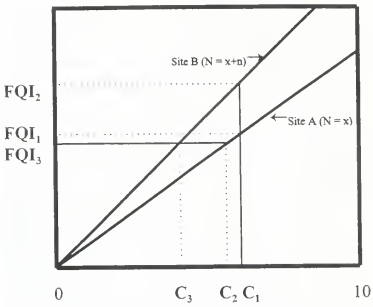

FIGURE 1. Baseline model comparing floristic quality index (FQI) and mean coefficients of conservatism (C) from two sites with differing total species richness. Site A has N (species richness) = x, and Site B has N = x + n. The examples illustrate where two sites with different total species richness but similar mean coefficient of conservatism (C_1) will differ in floristic quality indices (FQI_1 and FQI_2), and where two sites with similar floristic quality indices (FQI_3) will differ in mean C values (C_2 and C_3).

of native species and interfere with recovery processes. Differences in these values among sites provide measures for the erosion of floristic integrity (Swink and Wilhelm 1994).

Natural Area. A gradient of natural quality exists from the most pristine habitat that largely has escaped postsettlement anthropogenic damage to cropland or pavement. The determination of where along that gradient is the demarcation of "natural area" is a matter of judgment and is goal dependent. The Illinois Natural Areas Inventory (INAI) had the very specific goal of identifying all remnants of natural communities that were viewed as significant statewide for their existing quality. It was not intended to be a comprehensive inventory of all the remnant natural communities worthy of preservation or restoration activities. The results of the INAI revealed that a mere 0.07% of the land area of Illinois remains in a high-quality, undegraded, natural condition (White 1978). These Natural Areas tend to be isolated remnants scattered across the state with concentrations in northeastern and far southern Illinois, as well as along its western border by the Mississippi River. Many more areas persist that retain exceptional or noteworthy natural features, but that fall somewhere between INAI eligibility and recently fallowed land. For this paper we are broadly considering a natural area to be a natural community that is judged to be representative of presettlement vegetation for the site. This general definition includes all Natural Areas; it also includes areas that presently do not meet the standards for the INAI but that, with management and time, probably could be restored to a community with floristic composition, structure, and diversity similar to presettlement condition.

Physiognomy. Tracking physiognomic classes, particularly in time-series comparisons, can be an important component of FQA, since it is theoretically possible for dramatic changes in community structure to occur without changes in the FQI or $\bar{C}$. The physiognomic classes included for each taxon in the appendix are listed under Physiognomy in the glossary.

Application of Floristic Quality Assessment

FQA summarizes floristic data from an inventory unit, or units, including species diversity (e.g., species richness and FQI), mean coefficient of conservatism, number and percent rare and adventive species, relative importance of species, and guild diversity (for physiognomic groups, wetness ranks, and conservatism ranks). All of these parameters can be calculated readily. However, if assessments are made on numerous areas, an automated program (Masters, in preparation) can reduce assessment time. In addition, it produces summary tables of these parameters and generates a list of species along with a common name, conservatism and wetness value, and physiognomic class for each taxon. The INAI grade and community type can be included in a summary of a floristic assessment unit. Species abundance measures taken from an inventory unit (e.g., relative abundance estimates, importance values) also can be entered for each taxon.

Floristic Quality Assessment Program. Most of the parameters in FQA for assessment units can be calculated using the computer program (Masters, in preparation) mentioned above, which is designed to summarize these vegetational traits from floristic data. By entering plant names or a six-letter acronym, the FQA program provides information for a floristic inventory and analysis unit. Both an overall site inventory method and sampling methods are available in the program. For the inventory program, indices and means are calculated for the entire inventory unit. For the sampling option, data from quadrats (which may be random, stratified random,

or systematic and may or may not be permanent) are used. This latter option is useful in tracking spatial and temporal gradients of floristic integrity and wetness (see Wilhelm 1992), comparing data from large inventory units, and conducting rapid ecological assessments (Heumann et al. 1993).

Survey Intensity and Spatial and Temporal Scales of Survey Units

Measurements of an ecosystem or community usually are at a smaller scale than the target system. Since the FQI is a weighted index of species richness, larger survey units and greater inventory efforts generally yield higher indices of floristic quality (figure 1), if increased size corresponds to increased richness of conservative species. Determining the extent and configuration of the survey unit often is not a trivial question. Where the unit of floristic analysis is an isolated habitat fragment, the sample area usually is readily apparent. In landscapes with more contiguous vegetation, however, determining the sample unit is less obvious and in many ways dependent on the questions and interests of the investigation. Goals of the analysis may include a complete species inventory, but it should be noted that a complete inventory usually is not possible because of spatial and especially temporal variability in floristic composition. Thus, a single site visit will not comprehensively account for all species in a community or site. With repeated visits over the growing season most species that are actively growing at a site can be identified, but this would not be adequate to evaluate the seed bank. Experience in midwestern vegetation types has demonstrated that a single visit made between early June and late August by a competent botanist can achieve a roughly 80% complete inventory. Subsampling, spatially and temporally, is a practical option, particularly where habitat integrity appears relatively uniform and the survey unit is too large to inventory completely within the time available. Details of the survey method and effort always should accompany any reporting of results from FQA. Indiscriminate comparisons of floristic quality can be misleading if the methods used for the evaluations are not similar. Where area and heterogeneity of habitats or community remnants are considerably different, the mean coefficient of conservatism provides an area-independent variable for comparisons of floristic quality. Wilhelm (Swink and Wilhelm 1979) provides insights for how to treat spatially heterogenous habitats such as dune and swale communities near Lake Michigan.

Data Analysis

When distinguishing the qualitative condition of habitat remnants using FQA, a typical goal is to determine if the composition of two or more sites differs significantly from random expectation in the frequency distribution of the coefficients of conservatism. Three properties of the data influence the approach to be taken to make this determination. If the sample data have an acceptably normal distribution, have equal variances (homoscidastic), and are independent, then parametric statistics may be applied (but see below). If, however, the data lack central-normal tendency or have unequal variances (heteroscidastic), a nonparametric or distribution-free method is suggested (independence of the data is assumed). Central-normal tendency usually occurs with rank data when sample size (e.g., number of species) is greater than about 50.

Methods used for examples in this text include parametric and nonparametric two-sample tests (e.g., two-sample t-tests with unpooled variances, the Mann-Whitney U test, and the Kolmogorov-Smirnov [K-S] two-sample goodness-of-fit test). Comparisons of multiple samples are tested with one-way analysis of variance (ANOVA), Tukey's Honestly Significant Difference (HSD) test, and the Kruskall-Wallis ANOVA. All statistical analyses were made using Systat version 7.0 (Wilkinson 1997).

RESULTS AND DISCUSSION

Coefficients of conservatism assigned to each taxon recognized here for the vascular flora of Illinois are presented in the appendix. The frequency distribution of coefficients of conservatism (0–10) for native species is left-skewed due to a strong peak at coefficient 10 (figure 2). Distribution of species by physiognomic classes indicates that most species in the Illinois flora are perennial dicot forbs, followed by adventive annual forbs (figure 3). Perennial sedges and grasses are notably more important in the native flora than in the adventive flora. The distribution of wetness coefficients for the native and adventive flora of Illinois (figure 4) shows that most taxa, including native and adventive, are (obligate) upland species; only about 91 adventive taxa are wetland species

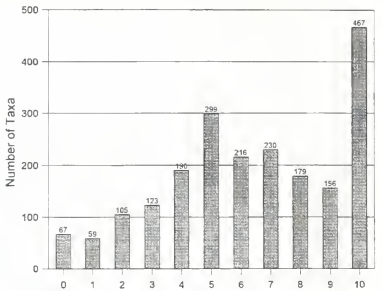

FIGURE 2. Distribution of vascular plant species occurring in Illinois by coefficient of conservatism ranks. In addition to the native taxa, there are 957 adventive or non-native taxa ranked at coefficient 0 (not shown). See text for definitions of conservatism and ranks.

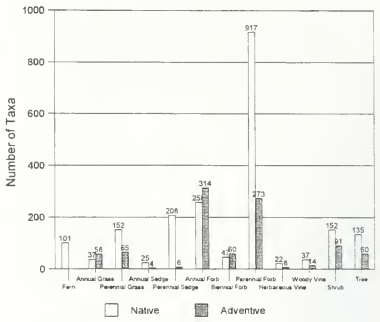

FIGURE 3. Distribution of native and adventive (non-native) taxa in the Illinois vascular flora by physiognomic classes.

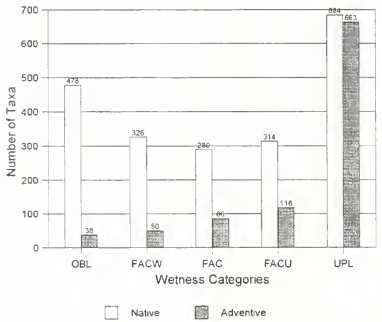

FIGURE 4. Distribution of native and adventive (non-native) taxa in the Illinois vascular flora by indicator wetness categories. Wetness categories are OBL (obligate wetland species), FACW (facultative wetland species), FAC (facultative species – equally likely to occur in wetland and upland habitats), FACU (facultative upland species), and UPL (obligate upland species).

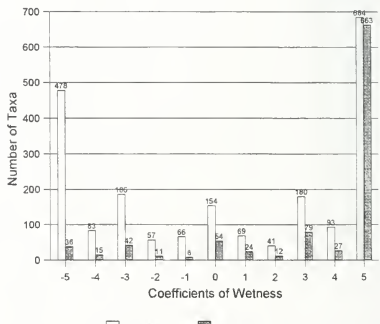

FIGURE 5. Distribution of native and adventive (non-native) taxa in the Illinois vascular flora by numerical wetness ranks. −5= OBL, −4=FACW+, −3=FACW, −2=FACW−, −1=FAC+, 0= FAC, 1=FAC−, 2=FACU+, 3=FACU, 4=FACU−, 5=UPL.

(~10% of all wetland species). Figure 5 shows the distribution of wetness categories.

The need for weighting species, rather than merely counting them, has been recognized (Diamond 1976). However, efforts to explain patterns of plant species survival and diversity in habitats have lacked any clear models that consider taxa modal to natural areas. It is understood in Grime's triangle that no vascular plant species can survive with high levels of stress and disturbance. However, the C-S-R model does not accommodate species intolerant of stress and disturbance that also are lacking in competitive abilities. About 50% of the native species of vascular plants in the Illinois flora were assigned coefficients (0–6) that more or less correspond to Grime's ruderals (16.8%) or competitors (33.8%). Some taxa in this broad guild demonstrate

tolerance to environmental stress (e.g., *Opuntia humifusa, Quercus marilandica,* and *Vaccinium arboreum*). The remaining flora—the species modal to relatively stable natural areas—may only loosely fit the stress-tolerator guild. Despite a long history of habitat loss and degradation in Illinois, there are remnant plant communities in localized little-disturbed areas on both nutrient-poor and nutrient-rich sites. These remnants typically are rich in species and include many taxa that lack ruderal characteristics, strong competitive abilities, or tolerance to high stress levels (e.g., *Asclepias perennis, Caulophyllum thalictroides, Cypripedium reginae, Dalea candida, Lilium philadelphicum, Trillium grandiflorum,* and *Viburnum acerifolium*).

Any assessment of ecosystem integrity based on a single index is likely to be insufficient to account for all relevant aspects. For example, the FQI or $\bar{C}$ when reported alone can be misleading (figure 1). Also, species richness alone can be an insensitive indicator of habitat quality, since it is possible for a degraded site to support a similar or greater number of taxa than an undegraded site. Six measures of biological integrity for wetlands have been suggested by Keddy et al. (1993): species diversity, indicator guilds, exotic species, rare species, plant biomass, and amphibian biomass. Diversity is viewed as an essential indicator of integrity (Keddy et al. 1993). However, instead of only measuring species richness, Keddy et al. (1993) also recommend assessing guild diversity. FQA readily addresses the first four recommended measures, provides an index of wetness characteristics, and can be applied to wetland and upland vegetation; moreover, it can be expanded to include other community traits or particular interests such as INAI grades.

Examples of Floristic Quality Assessment

The following three examples of Floristic Quality Assessment application are not intended as proof or strenuous testing of the method, but rather as illustrations of cases where FQA and analytic methods are used in an attempt to differentiate vegetation quality.

Example 1: Four Herbaceous Communities. Sites 1, 2, and 3 are prairie remnants. Site 1 is a high-quality Natural Area; Sites 2 and 3 have been damaged by past disturbances but are dominated by native prairie species. Site 4 is an old field with a history of cultivation. All sites are similar in area (~2 to 4 ha) and were surveyed with similar inventory efforts. Parameters of floristic quality from all sites are compared in table 1. Comparisons of all sites are shown for the cumulative proportion of species by conservatism ranks (figure 6) and distribution pattern of coefficients for each site using box plots (figure 7).

Data Analysis. Frequency of the coefficient of conservatism for each taxon present at each site are normally distributed and meet the equal variance assumptions, although data from the old field (Site 4, n = 51) are extremely skewed to the right (normality test $p = 0.084$). Results are compared first using parametric techniques and then (as a precaution against possible nonnormal distributions and unequal group size) compared using results from nonparametric methods. For parametric tests, qualitative differences in composition among all four sites were examined with analysis of variance (ANOVA); multiple comparisons were examined with Tukey's HSD mean-separation technique (table 2). ANOVA indicates that a significant difference ($p < 0.000001$) exists in floristic quality among the sites examined, as measured by the frequency

TABLE 1. Floristic integrity assessment summary data comparing four herbaceous communities (Sites 1-4).

Parameter	Site 1	Site 2	Site 3	Site 4
INAI Community Classsification	Dolomite Prairie	Dry-Mesic Prairie	Dolomite Prairie	Old Field
INAI Grade	B	C	C	na (E)
Total Species Richness	58	52	33	51
Native Species Richness	56	42	27	37
% Adventive	3.4	19.2	18.2	27.5
Floristic Quality Index (FQI)	44.0	21.6	22.6	14.3
FQI (natives only)	44.8	24.1	25.0	16.8
Mean Conservatism	5.8	3.0	3.9	2.0
Mean Conservatism (natives only)	6.0	3.7	4.8	2.8
Mean Wetness	3.8	2.9	4.0	1.6
Mean Wetness (natives only)	3.8	2.9	3.9	1.1
# Rare Species (T&E)	1	0	0	0
Guild Diversity - Coef. Conserv.	Figure 6	Figure 6	Figure 6	Figure 6

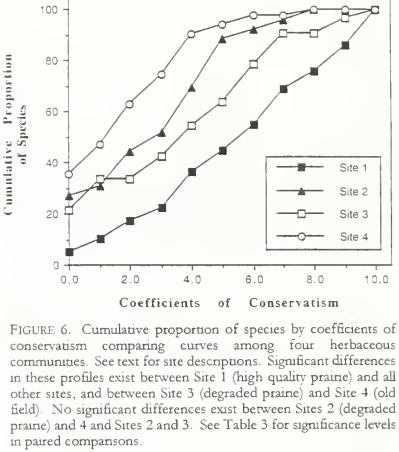

FIGURE 6. Cumulative proportion of species by coefficients of conservatism comparing curves among four herbaceous communities. See text for site descriptions. Significant differences in these profiles exist between Site 1 (high quality prairie) and all other sites, and between Site 3 (degraded prairie) and Site 4 (old field). No significant differences exist between Sites 2 (degraded prairie) and 4 and Sites 2 and 3. See Table 3 for significance levels in paired comparisons.

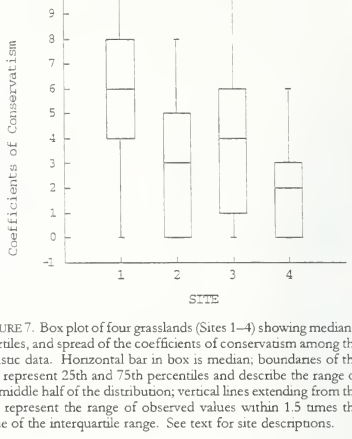

FIGURE 7. Box plot of four grasslands (Sites 1–4) showing medians, quartiles, and spread of the coefficients of conservatism among the floristic data. Horizontal bar in box is median; boundaries of the box represent 25th and 75th percentiles and describe the range of the middle half of the distribution; vertical lines extending from the box represent the range of observed values within 1.5 times the value of the interquartile range. See text for site descriptions.

distribution of the C values. Tukey's HSD test indicates the Natural Area (Site 1) is distinct from all other sites. The old field (Site 4), which contains a few prairie species, is distinct from one degraded prairie remnant (Site 3) but not the other (Site 2). The two degraded prairie remnants (Sites 2 and 3) are qualitatively similar (table 2).

TABLE 2. Analysis of variance and Tukey Honestly Significant Difference multiple comparison test of probabilities for Floristic Quality Assessment of four grasslands.

ANALYSIS OF VARIANCE

Source	Sum-of Squares	DF	Mean Square	F-Ratio	P
Site	424.556	3	141.519	20.652	0.000
Error	1301.965	190	6.852		

LEAST SQUARES MEANS

Site	LS Mean	SE	N
1	5.776	0.344	58
2	3.000	0.363	52
3	3.939	0.456	33
4	2.000	0.367	51

TUKEY HSD MULTIPLE COMPARISONS

Matrix of Pairwise Comparison Probabilities

Site	1	2	3	4
1	1.0000			
2	0.0000	1.0000		
3	0.0070	0.3720	1.0000	
4	0.0000	0.2120	0.0050	1.0000

The Kruskal-Wallis test is a one-way ANOVA on ranked data (a nonparametric test) and is suitable when the asssumptions of parametric tests can not be met. The results of the Kruskal-Wallis test agree with the ANOVA, showing that a significant difference exists among sites (test statistic is 44.4, 3 df, $p < 0.000001$). Multiple comparisons can be made by performing Tukey's HSD mean-separation technique on ranked data (Zar 1984). Multiple (planned) comparisons also can be made with t-tests, Mann-Whitney U tests (the nonparametric equivalant to the t-test), or the Kolmogorov-Smirnov (K-S) goodness-of-fit two-sample test. However, with these two-sample tests, the probability levels must be adjusted (e.g., Bonferroni correction) to avoid inflating the Type I error rate. When comparisons are numerous, these tests can become too conservative (less statistical power), and the probability of Type II errors (probability of accepting the null hypothesis when it is false) is increased (Zolman 1993).

The results of these multiple comparisons are shown in table 3. The K-S test is based on the maximum difference between cumulative frequency distribution patterns among C values (for this example); it tests differences in the respective cumulative proportion curves (figure 6). The K-S test is more conservative (has less statistical power) when applied to rank data (Zar

TABLE 3. Floristic quality comparisons among four herbaceous communities. Probability levels shown compare results from two parametric tests and two nonparametric tests. See text for site descriptions. The adjusted critical values for the two-sample tests are shown for these multiple comparisons (e.g., $p<0.0083$).

Parametric Tests

Tukey HSD Test, alpha=0.05

Site	1	2	3	4
1	1.000			
2	0.000	1.000		
3	0.007	0.372	1.000	
4	0.000	0.212	0.005	1.000

Student's t-test, adjusted alpha=0.0083

Site	1	2	3	4
1	1.000			
2	0.000	1.000		
3	0.007	0.138	1.000	
4	0.000	0.023	0.002	1.000

Nonparametric Tests, adjusted alpha=0.0083

Site	1	2	3	4
1	1.000			
2	0.000	1.000		
3	0.008	0.139	1.000	
4	0.000	0.029	0.003	1.000

Kolmogorov-Smirnov Test, adjusted alpha=0.0083

Site	1	2	3	4
1	1.000			
2	0.000	1.000		
3	0.049	0.143	1.000	
4	0.000	0.124	0.009	1.000

1984) and generally yields the most conservative probability estimates among the tests compared here (table 3).

As with analysis of cumulative proportion curves among C values, membership differences for other guilds among sites or time sequences also can be examined. With time-series or comparative ecological management studies, changes in guilds (e.g., physiographic classes or wetness ranks) may be of specific interest and could be explored with the K-S test or contingency table analysis.

Example 2: Two Mesic Upland Forest Communities. Parameters of floristic integrity are compared in table 4. Woodland 1 (Grade C) had been grazed by livestock for an extended period, while Woodland 2 (Grade B) did not appear to have a damaging grazing history. Woodland 1 is larger and topographically more diverse with dissected ravines, different aspects (primarily N, W, and S), and localized dolomite outcrops. Woodland 2 is on a steep east-facing slope with local exposures of dolomite.

TABLE 4. Floristic integrity assessment summary data comparing two mesic upland forests. Woodland 1 has been grazed while Woodland 2, a smaller forest, apparently has not.

Parameter	Woods 1	Woods 2
INAI Community Classification	Mesic Upland Forest	Mesic Upland Forest
INAI Grade	C	B
Total Species Richness	93	57
Native Species Richness	91	57
% Adventive	2.2	0
Floristic Quality Index (FQI)	42.1	41.2
FQI (natives only)	42.6	41.2
Mean Conservatism	4.4	5.5
Mean Conservatism (natives only)	4.5	5.5
Mean Wetness	2.2	2.3
Mean Wetness (natives only)	2.3	2.3
# Rare Species (T&E)	1	0
Guild Diversity - Coef. Conserv.	Figure 8	Figure 8

Though many more species were recorded from Woodland 1, Woodland 2 is rated with a similar FQI and a higher $\bar{C}$ (table 4). A comparison of the cumulative proportion of species by conservatism ranks at the two sites is shown in figure 8, and the distribution shape of coefficients for each site is given in figure 9.

Data Analysis. A test of the difference (using nonparametric methods) between $\bar{C}$ values indicates significant differences between sites (Mann-Whitney U statistic = 1939.0, $p = 0.005$). However, the K-S goodness-of-fit comparison (figure 8) yields nonsignificant differences ($Dmax = 0.2111$, $p = 0.088$). The two tests, however, provide answers to two different questions and may not be contradictory. When the interest is in comparing mean coefficients of conservatism of the sites, the Mann-Whitney U statistic (or the parametric equivalent t-test) is the appropriate approach. When the interest is in a measure of differences in guild diversity, comparison and analysis of cumulative proportion profiles with the K-S test is suggested, but caution is warranted because of increased Type II errors with this conservative test. Although these floristic data indicate that no differences exist in guild profiles, quantitative data on ground cover species (not available with these data) may reveal important differences in the guild profiles.

Example 3: Two Southern Flatwoods Communities. Parameters of floristic integrity are compared in table 5. Both sites are recognized by the INAI as high-quality Natural Areas. Lake Sara Flatwoods (Grade B) had been managed with prescribed fire for 20 years prior to study. Williams Creek Flatwoods (Grades A and B) had not

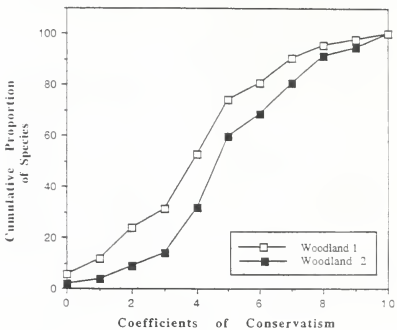

FIGURE 8. Cumulative proportion of species by coefficients of conservatism comparing curves among two woodland communities. Woodland 1 (Grade C) is a larger site with a damaging grazing history, Woodland 2 (Grade B) is on a steep slope and apparently lacks a damaging grazing history. The maximum difference between the profiles, tested with the Kolmogorov-Smirnov two-sample goodness-of-fit test, is Dmax 0.2111 (n1=93, n2=57; p=0.088). See text for additional site descriptions.

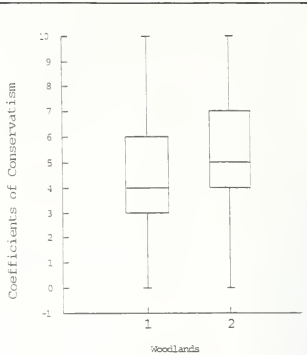

FIGURE 9. Box plot for Woodland 1 (Grade C) and Woodland 2 (Grade B) showing medians, quartiles, and spread of the data. Horizontal bar in box is median; boundaries of the box represent 25th and 75th percentiles and describe the range of the middle half of the distribution; vertical lines extending from the box represent the range of observed values within 1.5 times the value of the interquartile range. See text for site descriptions.

been managed prior to study. Both sites were among locations selected as part of an ecological study of flatwoods on the Illinoian till plain that examined quantitative aspects of vegetation and soils (Taft et al. 1995). Guild diversity among coefficients of conservatism is compared for both sites (figure 10); comparisons are shown for the cumulative proportion of species and cumulative proportion of Importance Value (IV 200 = sum of relative frequency and relative cover).

Data Analysis. Several measures of diversity, including species richness, species density, dominance concentration, and Shannon-Weiner Equitability Index, indicate that significant differences exist between Lake Sara Flatwoods and the other sites studied, including Williams Creek Flatwoods (Taft et al. 1995). The fire management history at Lake Sara appears to have contributed to the greater measures of diversity there. However, a two-sample means test (t-test) on presence-absence floristic data from the Lake Sara and Williams Creek flatwoods indicates that no significant differences exist between $\bar{C}$ values. Guild diversity analysis based on cumulative proportion of species among C values (K-S test) also indicates that no differences exist (figure 10). In contrast, quantitative data for the ground cover vegetation (using IVs) reveal that significant differences exist ($p < 0.001$) in the pattern of abundance among C values (figure 10).

Judging from the first two examples above, significance tests on FQA data have promise as aids in qualitatively differentiating vegetation as measured by floristic presence-absence data alone when the sites are characterized by distinctly different disturbance histories. However, the third example suggests that statistical tests based on floristic data alone may be relatively insensitive for differentiating among similar habitats with important

TABLE 5. Floristic integrity assessment summary data comparing quadrat sampling data from the ground cover in two high-quality flatwoods. Lake Sara had a 20-year history of prescribed fire prior to sampling.

Parameter	Lake Sara	Williams Creek
INAI Community Classsification	Southern Flatwoods	Southern Flatwoods
INAI Grade	B	A and B
Total Species Richness	83	49
Native Species Richness	82	49
% Adventive	1.2	0
Floristic Quality Index (FQI)	37.6	27.7
FQI (natives only)	37.9	27.7
Mean Conservatism	4.1	4.0
Mean Conservatism (natives only)	4.2	4.0
Mean Wetness	2.7	1.8
Mean Wetness (natives only)	2.7	1.8
# Rare Species (T&E)	1	0
Guild Diversity - Coef. Conserv.	Figure 10	Figure 10

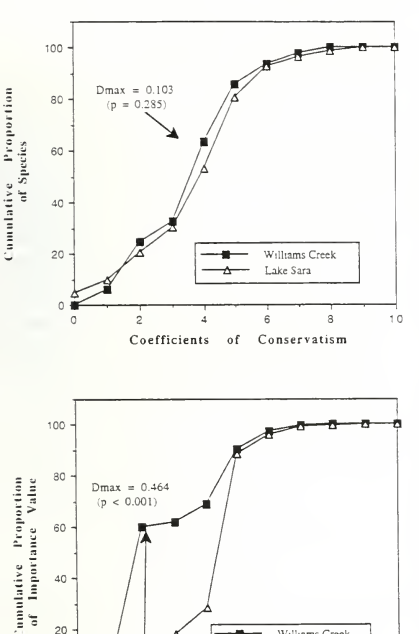

FIGURE 10. Cumulative proportion of species (top figure – no significant difference) and cumulative proportion of importance value (bottom figure – significant difference) by coefficients of conservatism (C) comparing curves among the ground cover vegetation of two high quality (Grades A and B) flatwoods remnants. Distribution patterns of importance values indicates that at Lake Sara a greater proportion of the species importance values are in the upper range of the C values. Lake Sara had a prior history of prescribed-fire management; Williams Creek Flatwoods had no prior vegetation management. See text for additional details.

differences in diversity and/or abundance patterns, particularly where only slight differences exist in levels of habitat degradation. These illustrations suggest that examining differences in FQI, $\bar{C}$, guild profiles, and quantitative data may contribute to greater sensitivity in interpretation, when needed, in the assessment of floristic integrity.

Keddy et al. (1993) recommended establishing limits that reflect tolerable and desirable levels for indicator traits. We find that sites with an FQI of less than 20, based on "complete" inventory data, are usually severely degraded or derelict plant communities, or are very small habitat remnants. Sites with an FQI greater than 20 may be degraded but generally have potential for some level of recovery. Sites with indices greater than 35 are at least regionally noteworthy and often are sharply distinct from the predominant heavily degraded matrix areas in the landscape. Sites with indices greater than 45 are often also statewide-significant Natural Areas. Wetland or prairie reconstructions seldom exceed an FQI of 35, at least in the short term, and only do so with intensive efforts. The long-term potential or stability of many reconstructions has not been determined. Many reconstructions in early developmental stages appear to be prone to rapid fluctuations in composition, diversity, and community structure. Limits and goals for other traits in FQA are variable according to the specific goals of ecosystem management. While goals for richness of exotic species may be 0, this may not be achievable in certain regions of Illinois, particularly where aggressive, adventive species are abundant.

Testable Paradigm

A goal of many biological indices is to make predictions about responses to perturbations. FQA appears to meet this general goal. We predict that intact natural communities exposed to damage will show a reduction of floristic integrity to which FQI, $\bar{C}$, and ultimately the cumulative proportion curves (among C values) are sensitive. For example, in a mesic tallgrass prairie remnant exposed to a regime of soil disturbances or sustained heavy grazing, populations of typical "conservative" species such as *Amorpha canescens*, *Asclepias viridiflora*, *Baptisia leucophaea*, *Cacalia tuberosa*, *Polytaenia nuttalii*, and *Sporobolus heterolepis* (C guild 7–10) will decline to extirpation. Other species such as *Andropogon gerardii*, *Sorghastrum nutans*, and *Panicum virgatum* (C guild 4–6: Grime's competitors) temporarily may increase under certain circumstances in cover if not in frequency. If the disturbance is continued, species such as *Solidago rigida*, *S. canadensis*, *Helianthus rigidus*, *Ratibida pinnata*, and *Asclepias verticillata* (C guild 1–4: species that are intermediate between Grime's ruderals and competitors) become predominant, and adventive species often become common. If the frequency and

duration of the disturbance are increased, species with regeneration intervals shorter than the disturbance frequencies (C guild 0–2[3]: Grime's ruderals) become dominant, including many adventive species.

The reverse of this paradigm is the recovery of a degraded system. Restoration seeks to return damaged habitats or communities to their qualitative, compositional, and structural states prior to degradation. We predict that both the FQI and $\bar{C}$ will increase at a site with the introduction of appropriate vegetation management. In the Midwest, many studies have been conducted, or are ongoing, that track the recovery of plant communities with the reintroduction of fire (Tester 1989; DeSelm and Clebsch 1991; Apfelbaum and Haney 1991; Wilhelm nd Masters 1994; Taft, unpublished data). FQA offers a method to track changes in floristic composition that may be helpful in goal development and assessment (Masters 1997). Again, quantitative data provide the most accurate account of the relative abundance of species at a site. Species at low population levels sometimes are at greater risk of extinction (May 1973). If, by chance, most of the taxa with high C values are at low population levels, the species pool may be unstable and susceptible to rapid changes in the FQI and $\bar{C}$. As always, the cost in time needed to collect and analyze quantitative data has to be contrasted with the ease, rapidity, and qualitatively thorough nature of floristic presence-absence data collection. Inventory goals will determine the approach to be taken.

CONCLUSIONS

We offer Floristic Quality Assessment (FQA) for the Illinois flora as a versatile, relatively rapid, dispassionate, and repeatable method for making qualitative assessments of plant communities and for assessing effectiveness of ecological restoration activities. Using floristic inventory data, FQA summarizes several parameters of plant communities, including a weighted measure of species richness (FQI), a mean coefficient of conservatism ($\bar{C}$), guild diversity, proportion of adventive taxa, wetness characteristics, relative importance of native species, physiognomic characteristics, and rare species. The FQI is calculated from coefficients of conservatism (on a scale of 0–10) assigned to each taxon in the Illinois flora. The philosophy underlying the assignment of the coefficients is a recognition that plant species are unequal contributors to habitat quality. Factors that influence diversity and composition also influence the FQI (e.g., habitat size, heterogeneity, disturbance history, and level of degradation). The mean coefficient of conservatism (and quadrat-based sampling methods) provides an area-independent means of making qualitative comparisons among sites. FQA can accommodate measures of species abundance and can accompany other measures of natural community quality such as Illinois Natural Areas Inventory grades. We suggest testing the method by comparing floristic composition among sites and time intervals with known levels of disturbances and restoration activities using mean-separation techniques and analysis of guild diversity. Although similar results may be achieved with parametric statistics, nonparametric tests may be preferred for small sample sizes when all assumptions of parametric methods may not be met.

GLOSSARY

Adventive – Not native to Illinois. Adventive is synonymous with the terms exotic and alien. Species that have limited natural ranges in Illinois, but that are widely planted or escaped, such as *Pinus strobus* and *Robinia pseudoacacia*, should be treated as adventive when encountered outside their natural Illinois distributions, and assigned a C value of 0 in the calculation of the floristic quality index and mean coefficient of conservatism.

Coefficient of Conservatism (C) – An integer from 0 to 10 assigned to each taxon in the Illinois flora and used in calculating the floristic quality index. Each value reflects an estimate of a plant's tendency to be restricted to "natural areas" (see detailed description in methods section). The mean coefficient of conservatism ($\bar{C}$) is calculated by summing all coefficients in an inventory unit and dividing by number of species (N), or $\bar{C} = \Sigma C/N$.

Conservatism – The tendency of a taxon to be restricted to natural areas. Similar to remnant dependency (Panzer et al. 1995).

Floristic Quality Index (FQI) – An index derived from floristic inventory data and calculated by the following formula from Swink and Wilhelm (1979, 1994):

$I = \bar{C}(\sqrt{N})$, in which:

C = coefficient of conservatism

$\bar{C} = \Sigma C/N$

N = number of taxa.

Guild Diversity – Guild diversity is measured from frequency distributions for species among traits such as physiognomic classes, wetness ranks (see Wetness), or conservatism ranks. These frequency data allow for graphical depictions of these guilds for comparison among sites and time periods (see Data Analysis in results section).

Illinois Natural Areas Inventory Grades – Definitions taken from White (1978, p. 31):

Grade A = Relatively stable or undisturbed communities. *Example:* old growth, ungrazed forest.

Grade B = Late successional or lightly disturbed communities. *Example:* old growth forest that was selectively logged 5 years ago.

Grade C = Mid-successional or moderately to heavily disturbed communities. *Example:* young to mature second-growth forest.

Grade D = Early successional or severely disturbed communities. *Example:* severely grazed forest of any age.

Grade E = Very early successional or very severely disturbed communities. *Example:* cropland.

Integrity, Ecological and Community – Integrity implies an unimpaired, complete condition. Ecological or community integrity refers to the degree to which self-correcting properties in an ecosystem or community exert themselves when that community is exposed to disturbance.

Natural Area – In a broad sense, a natural area is considered to be a natural community that is (presumably) representative of the presettlement vegetation for the site. This general definition includes all Natural Areas (INAI sites graded A and B), but also areas that presently do not meet the standards for the INAI but that, with management and time, have potential for restoration to a community with floristic composition and diversity similar to the presettlement condition.

Physiognomy – Broadly defined, physiognomy includes plant habit (architectural characteristics), life history, and certain taxonomic classes. Physiognomic classes assigned to each taxon in the Illinois flora are Fern (including fern allies), Annual Forb, Biennial Forb, Perennial Forb, Annual Grass, Perennial Grass, Annual Sedge, Perennial Sedge, Herbaceous Vine, Woody Vine, Shrub, and Tree. Tracking physiognomic classes can be an important component of FQA, since it is theoretically possible for dramatic changes in community structure to occur without changes in the FQI or $\bar{C}$.

Rare Species – Plant species listed as threatened or endangered by the Illinois Endangered Species Protection Board (Herkert 1991, 1994).

Species richness – Total number of native and adventive species.

Wetness – Wetness classification is based on the National Wetland Category for Region 3 of the United States Fish and Wildlife Service (Reed 1988). Plants are designated as *Obligate Wetland, Facultative Wetland, Facultative, Facultative Upland,* and *Upland*. These classes are further ranked by "+" and "–" values for the three facultative classes, thereby providing greater resolution. These nominal classes have been sorted into ordinate values:

–5	= Obligate Wetland	(OBL)
–4	= Facultative Wetland +	(FACW+)
–3	= Facultative Wetland	(FACW)
–2	= Facultative Wetland –	(FACW–)
–1	= Facultative +	(FAC+)
0	= Facultative	(FAC)
+1	= Facultative –	(FAC–)
+2	= Facultative Upland +	(FACU+)
+3	= Facultative Upland	(FACU)
+4	= Facultative Upland –	(FACU–)
+5	= Upland	(UPL).

Mean wetness is an average derived from all wetness (ordinate) values in a floristic inventory unit; it provides an index that characterizes the plant community in terms of hydrological characteristics.

ACKNOWLEDGMENTS

The authors gratefully acknowledge several reviewers who improved this manuscript with written comments and discussion. These include Mark Schwartz (University of California at Davis), Geoff Levin (Illinois Natural History Survey [INHS]), Ken Robertson (INHS), John White (Ecological Services), John Ebinger (Eastern Illinois University), and Mary Kay Solecki (Illinois Nature Preserves Commission). Marlin Bowles (The Morton Arboretum) reviewed the manuscript and provided alternative viewpoints. Jeff Brawn (INHS) and Susan Aref (University of Illinois at Champaign-Urbana) provided statistical advice during preliminary phases of this paper. Louis Iverson (U.S. Forest Service), Ken Robertson, and Mark Schwartz offered encouragement during early stages of the project that in many ways inspired the effort. We thank the Illinois Department of Transportation, Bureau of Design and Environment, for support and encouragement for the development of this paper. Finally, thanks to the Illinois Native Plant Society for providing a special issue for the publication of this paper.

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APPENDIX: Vegetation of Illinois Database

The following is a listing of selected vascular plant taxa, sorted alphabetically by genus and then by species, for use in the application of Floristic Quality Assessment in Illinois. Native species are rendered in a standard type face, while introduced or adventive species are shown in ALL CAPS; each is followed by a single colloquial name. This listing is not to be construed as an authoritative treatise on the flora of Illinois, nor was there any attempt to justify the Latin name as nomenclaturally legitimate. Indeed, for taxonomic concept and nomenclature, we have approximated Mohlenbrock (1986), wherein authorities for most of the names may be found.

Each species is preceded by a six-letter acronym, based upon the first three letters of the genus followed by the first three letters of the species, or by the first two letters of the species and the first letter of a subspecific taxon (e.g. *Abu*tilon *the*ophrasti = ABUTHE; *Acer ru*brum var. *d*rummondii (ACERUD). Where ambiguity results, such as in *Poly*gonum *hyd*ropiper (POLHYR) and *Poly*gonum *hyd*ropiperoides (POLHYS) a nonintuitive acronym has been created. Use of such acronyms makes field notes go much faster, and the acronyms serve as easily rendered extraction tags for the plants in the data base.

Following the acronym is the assigned C value (coefficient of conservatism) for native species or by an asterisk for non-native species. After the colloquial name is the coefficient of wetness, followed by its corresponding National Wetland Category. The categories were assigned based on observations of their behavior throughout "Region 3" of the U.S. Fish & Wildlife Service. Obligate wetland species (OBL, -5) have 99% probability of occurring in wetlands, facultative/wet species (FACW, -3) a 67%-99% probability, facultative species (FAC, 0) a 34%-66% probability, facultative/upland species (FACU, 3) a 1%-33% probability, and upland species (UPL, 5) have less than a 1% probability of occurring in wetlands.

Each species has been designated with a physiognomic characteristic, using commonly applied terms such as tree, shrub, forb, vine, grass, sedge, and cryptogam. The forbs, grasses, and sedges are preceded by modifiers such as A (annual), B (biennial), and P (perennial). These are followed by a family name, following the delineation in Mohlenbrock (1986).

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
ABEESC	*	ABELMOSCHUS ESCULENTUS	OKRA	A-FORB	5	UPL	MALVACEAE
ABUTHE	*	ABUTILON THEOPHRASTI	BUTTONWEED	A-FORB	4	FACU-	MALVACEAE
ACADEA	8	Acalypha deamii	LARGE-SEEDED MERCURY	A-FORB	5	UPL	EUPHORBIACEAE
ACAGRA	4	Acalypha gracilens	SLENDER THREE-SEEDED MERCURY	A-FORB	5	UPL	EUPHORBIACEAE
ACAOST	1	Acalypha ostryaefolia	THREE-SEEDED MERCURY	A-FORB	5	UPL	EUPHORBIACEAE
ACARHO	0	Acalypha rhomboidea	THREE-SEEDED MERCURY	A-FORB	3	FACU	EUPHORBIACEAE
ACAVIR	2	Acalypha virginica	THREE-SEEDED MERCURY	A-FORB	3	FACU	EUPHORBIACEAE
ACEFLO	5	Acer floridanum	SOUTHERN SUGAR MAPLE	TREE	3	FACU	ACERACEAE
ACEGIN	*	ACER GINNALA	AMUR MAPLE	TREE	5	UPL	ACERACEAE
ACENEG	1	Acer negundo	BOXELDER	TREE	-2	FACW-	ACERACEAE
ACENIG	6	Acer nigrum	BLACK MAPLE	TREE	5	UPL	ACERACEAE
ACEPLA	*	ACER PLATANOIDES	NORWAY MAPLE	TREE	5	UPL	ACERACEAE
ACEPSE	*	ACER PSEUDOPLATANUS	SYCAMORE MAPLE	TREE	5	UPL	ACERACEAE
ACERUR	5	Acer rubrum	RED MAPLE	TREE	0	FAC	ACERACEAE
ACERUD	5	Acer rubrum v. drummondii	DRUMMOND'S RED MAPLE	TREE	-5	OBL	ACERACEAE
ACERUT	5	Acer rubrum v. trilobum	RED MAPLE	TREE	3	FACU	ACERACEAE
ACESAI	1	Acer saccharinum	SILVER MAPLE	TREE	-3	FACW	ACERACEAE
ACESAU	4	Acer saccharum	SUGAR MAPLE	TREE	3	FACU	ACERACEAE
ACHMIL	*	ACHILLEA MILLEFOLIUM	COMMON MILFOIL	P-FORB	3	FACU	ASTERACEAE
ACOAME	4	Acorus americanus	FLAG ROOT	P-FORB	-5	OBL	ARACEAE
ACTPAC	7	Actaea pachypoda	DOLL'S-EYES	P-FORB	5	UPL	RANUNCULACEAE
ACTRUB	8	Actaea rubra	RED BANEBERRY	P-FORB	5	UPL	RANUNCULACEAE
ADIPED	6	Adiantum pedatum	MAIDENHAIR FERN	FERN	1	FAC-	ADIANTACEAE
ADLFUN	*	ADLUMIA FUNGOSA	ALLEGHENY VINE	B-FORB	5	UPL	PAPAVERACEAE
ADOMOS	10	Adoxa moschatellina	MOSCHATEL	P-FORB	0	FAC	ADOXACEAE
AEGPOD	*	AEGOPODIUM PODAGRARIA	GOUTWEED	P-FORB	0	FAC	APIACEAE
AESGLA	5	Aesculus glabra	OHIO BUCKEYE	TREE	-1	FAC+	HIPPOCASTANACEAE
AESHIP	*	AESCULUS HIPPOCASTANUM	HORSE-CHESTNUT	TREE	5	UPL	HIPPOCASTANACEAE
AESPAV	7	Aesculus pavia	RED BUCKEYE	TREE	-1	FAC+	HIPPOCASTANACEAE
AETCYN	*	AETHUSA CYNAPIUM	FOOL'S PARSLEY	A-FORB	5	UPL	APIACEAE
AGAASP	10	Agalinis aspera	ROUGH FALSE FOXGLOVE	A-FORB	5	UPL	SCROPHULARIACEAE
AGABES	5	Agalinis besseyana	SLENDER FALSE FOXGLOVE	A-FORB	5	UPL	SCROPHULARIACEAE
AGAFAS	6	Agalinis fasciculata	FALSE FOXGLOVE	A-FORB	-3	FACW	SCROPHULARIACEAE
AGAGAT	10	Agalinis gattingeri	ROUND-STEMMED FALSE FOXGLOVE	A-FORB	5	UPL	SCROPHULARIACEAE
AGAPAU	7	Agalinis paupercula	FALSE FOXGLOVE	A-FORB	-5	OBL	SCROPHULARIACEAE
AGAPUR	6	Agalinis purpurea	FALSE FOXGLOVE	A-FORB	-3	FACW	SCROPHULARIACEAE
AGASKI	9	Agalinis skinneriana	PALE FALSE FOXGLOVE	A-FORB	5	UPL	SCROPHULARIACEAE
AGATEN	5	Agalinis tenuifolia	SLENDER FALSE FOXGLOVE	A-FORB	-3	FACW	SCROPHULARIACEAE
AGANEP	4	Agastache nepetoides	YELLOW GIANT HYSSOP	P-FORB	3	FACU	LAMIACEAE
AGASCR	5	Agastache scrophulariaefolia	PURPLE GIANT HYSSOP	P-FORB	5	UPL	LAMIACEAE
AGRGRY	3	Agrimonia gryposepala	TALL AGRIMONY	P-FORB	2	FACU+	ROSACEAE
AGRPAR	5	Agrimonia parviflora	SWAMP AGRIMONY	P-FORB	-1	FAC+	ROSACEAE
AGRPUB	4	Agrimonia pubescens	SOFT AGRIMONY	P-FORB	5	UPL	ROSACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
AGRROS	4	Agrimonia rostellata	WOODLAND AGRIMONY	P-FORB	3	FACU	ROSACEAE
AGRMAC	*	AGROHORDEUM MACOUNII	MACOUN'S WILD RYE	P-GRASS	5	UPL	POACEAE
AGRCRI	*	AGROPYRON CRISTATUM	CRESTED WHEAT GRASS	P-GRASS	5	UPL	POACEAE
AGRDES	*	AGROPYRON DESERTORUM	CRESTED WHEAT GRASS	P-GRASS	5	UPL	POACEAE
AGRRER	*	AGROPYRON REPENS	QUACK GRASS	P-GRASS	3	FACU	POACEAE
AGRREA	*	AGROPYRON REPENS v. ARISTATUM	QUACK GRASS	P-GRASS	3	FACU	POACEAE
AGRSMS	*	AGROPYRON SMITHII	COLORADO BLUESTEM	P-GRASS	4	FACU-	POACEAE
AGRSMM	*	AGROPYRON SMITHII v. MOLLE	WESTERN WHEAT GRASS	P-GRASS	4	FACU-	POACEAE
AGRTRT	8	Agropyron trachycaulum	BEARDED WHEAT GRASS	P-GRASS	0	FAC	POACEAE
AGRTRU	8	Agropyron trachycaulum v. unilaterale	BEARDED WHEAT GRASS	P-GRASS	3	FACU	POACEAE
AGRGIT	*	AGROSTEMMA GITHAGO	CORN COCKLE	P-FORB	5	UPL	CARYOPHYLLACEAE
AGRALA	0	Agrostis alba	RED TOP	P-GRASS	-3	FACW	POACEAE
AGRALP	8	Agrostis alba v. palustris	CREEPING BENT GRASS	P-GRASS	-3	FACW	POACEAE
AGRCAP	*	AGROSTIS CAPILLARIS	COLONIAL BENT GRASS	P-GRASS	-3	FACW	POACEAE
AGRELL	5	Agrostis elliottiana	AWNED BENT GRASS	A-GRASS	5	UPL	POACEAE
AGRHYE	2	Agrostis hyemalis	HAIR GRASS	P-GRASS	1	FAC-	POACEAE
AGRPER	4	Agrostis perennans	AUTUMN BENT GRASS	P-GRASS	1	FAC-	POACEAE
AGRSCA	5	Agrostis scabra	ROUGH BENT GRASS	P-GRASS	0	FAC	POACEAE
AILALT	*	AILANTHUS ALTISSIMA	TREE-OF-HEAVEN	TREE	5	UPL	SIMAROUBACEAE
AIRCAR	*	AIRA CARYOPHYLLAEA	SILVER HAIR GRASS	A-GRASS	3	FACU	POACEAE
AJUGEN	*	AJUGA GENEVENSIS	GENEVA BUGLEWEED	P-FORB	5	UPL	LAMIACEAE
AJUREP	*	AJUGA REPTANS	CARPET BUGLE	P-FORB	5	UPL	LAMIACEAE
ALBJUL	*	ALBIZIA JULIBRISSIN	MIMOSA	TREE	5	UPL	MIMOSACEAE
ALCROS	*	ALCEA ROSEA	HOLLYHOCK	P-FORB	5	UPL	MALVACEAE
ALEFAR	9	Aletris farinosa	COLIC ROOT	P-FORB	0	FAC	LILIACEAE
ALIPAM	2	Alisma plantago-aquatica v. americanum	AMERICAN WATER PLANTAIN	P-FORB	-5	OBL	ALISMATACEAE
ALIPPA	2	Alisma plantago-aquatica v. parviflorum	COMMON WATER PLANTAIN	P-FORB	-5	OBL	ALISMATACEAE
ALLPET	*	ALLIARIA PETIOLATA	GARLIC MUSTARD	B-FORB	0	FAC	BRASSICACEAE
ALLAMP	*	ALLIUM AMPELOPRASUM v. ATROVIOLACEUM	WILD ONION	P-FORB	5	UPL	LILIACEAE
ALLBUR	6	Allium burdickii	WILD LEEK	P-FORB	2	FACU+	LILIACEAE
ALLCAC	2	Allium canadense	WILD GARLIC	P-FORB	3	FACU	LILIACEAE
ALLCAM	3	Allium canadense v. mobilense	GLADE ONION	P-FORB	5	UPL	LILIACEAE
ALLCEP	*	ALLIUM CEPA	ONION	P-FORB	5	UPL	LILIACEAE
ALLCER	7	Allium cernuum	NODDING WILD ONION	P-FORB	5	UPL	LILIACEAE
ALLFIS	*	ALLIUM FISTULOSUM	WELCH ONION	P-FORB	5	UPL	LILIACEAE
ALLPOR	*	ALLIUM PORRUM	LEEK	P-FORB	5	UPL	LILIACEAE
ALLSAT	*	ALLIUM SATIVUM	GARLIC	P-FORB	5	UPL	LILIACEAE
ALLSSC	*	ALLIUM SCHOENOPRASUM	CHIVES	P-FORB	5	UPL	LILIACEAE
ALLSSI	*	ALLIUM SCHOENOPRASUM v. SIBIRICUM	WILD CHIVES	P-FORB	5	UPL	LILIACEAE
ALLSTE	10	Allium stellatum	CLIFF ONION	P-FORB	5	UPL	LILIACEAE
ALLTRI	7	Allium tricoccum	WILD LEEK	P-FORB	2	FACU+	LILIACEAE
ALLVIN	*	ALLIUM VINEALE	FIELD GARLIC	P-FORB	3	FACU	LILIACEAE
ALNGLU	*	ALNUS GLUTINOSA	BLACK ALDER	TREE	-2	FACW-	BETULACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
ALNINC	7	Alnus incana v. rugosa	SPECKLED ALDER	SHRUB	-5	OBL	BETULACEAE
ALNSER	7	Alnus serrulata	COMMON ALDER	SHRUB	-5	OBL	BETULACEAE
ALOAEQ	6	Alopecurus aequalis	FOXTAIL	P-GRASS	-5	OBL	POACEAE
ALOCAR	0	Alopecurus carolinianus	ANNUAL FOXTAIL	A-GRASS	-3	FACW	POACEAE
ALOPRA	*	ALOPECURUS PRATENSIS	MEADOW FOXTAIL	P-GRASS	-3	FACW	POACEAE
ALYALY	*	ALYSSUM ALYSSOIDES	PALE ALYSSUM	A-FORB	5	UPL	BRASSICACEAE
AMAALB	0	Amaranthus albus	TUMBLEWEED	A-FORB	3	FACU	AMARANTHACEAE
AMAAMB	0	Amaranthus ambigens	WATER HEMP	A-FORB	5	UPL	AMARANTHACEAE
AMAARE	*	AMARANTHUS ARENICOLA	TORREY'S AMARANTH	A-FORB	3	FACU	AMARANTHACEAE
AMACAU	*	AMARANTHUS CAUDATUS	PURPLE AMARANTH	A-FORB	0	FAC	AMARANTHACEAE
AMACRU	*	AMARANTHUS CRUENTUS	LOVE-LIES-BLEEDING	A-FORB	5	UPL	AMARANTHACEAE
AMAGRA	*	AMARANTHUS GRAECIZANS	PROSTRATE AMARANTH	A-FORB	5	UPL	AMARANTHACEAE
AMAHYB	*	AMARANTHUS HYBRIDUS	GREEN AMARANTH	P-FORB	5	UPL	AMARANTHACEAE
AMAPAL	*	AMARANTHUS PALMERI	PALMER'S AMARANTH	A-FORB	3	FACU	AMARANTHACEAE
AMAPOW	*	AMARANTHUS POWELLII	SMOOTH PIGWEED	A-FORB	5	UPL	AMARANTHACEAE
AMARET	*	AMARANTHUS RETROFLEXUS	ROUGH PIGWEED	A-FORB	2	FACU+	AMARANTHACEAE
AMARUD	0	Amaranthus rudis	TAMARISK WATERHEMP	A-FORB	-3	FACW	AMARANTHACEAE
AMASPI	*	AMARANTHUS SPINOSUS	SPINY PIGWEED	A-FORB	3	FACU	AMARANTHACEAE
AMATUB	1	Amaranthus tuberculatus	TALL WATERHEMP	A-FORB	-5	OBL	AMARANTHACEAE
AMBART	0	Ambrosia artemisiifolia	COMMON RAGWEED	A-FORB	3	FACU	ASTERACEAE
AMBBID	0	Ambrosia bidentata	LANCELEAF RAGWEED	A-FORB	4	FACU-	ASTERACEAE
AMBPSI	2	Ambrosia psilostachya	WESTERN RAGWEED	P-FORB	1	FAC-	ASTERACEAE
AMBTOM	*	AMBROSIA TOMENTOSA	FALSE RAGWEED	P-FORB	5	UPL	ASTERACEAE
AMBTRI	0	Ambrosia trifida	GIANT RAGWEED	A-FORB	-1	FAC+	ASTERACEAE
AMEARB	7	Amelanchier arborea	JUNEBERRY	TREE	3	FACU	ROSACEAE
AMEHUM	7	Amelanchier humilis	LOW SHADBUSH	SHRUB	5	UPL	ROSACEAE
AMEINT	8	Amelanchier interior	SHADBUSH	TREE	5	UPL	ROSACEAE
AMELAE	7	Amelanchier laevis	SHADBUSH	TREE	5	UPL	ROSACEAE
AMESAN	10	Amelanchier sanguinea	ROUND-LEAVED SERVICEBERRY	SHRUB	5	UPL	ROSACEAE
AMMAUR	8	Ammannia auriculata	SCARLET LOOSESTRIFE	A-FORB	-5	OBL	LYTHRACEAE
AMMCOC	5	Ammannia coccinea	LONG-LEAVED AMMANNIA	A-FORB	-5	OBL	LYTHRACEAE
AMMBRE	9	Ammophila breviligulata	BEACH GRASS	P-GRASS	5	UPL	POACEAE
AMOCAN	8	Amorpha canescens	LEAD PLANT	SHRUB	5	UPL	FABACEAE
AMOFRF	6	Amorpha fruticosa	FALSE INDIGO BUSH	SHRUB	-4	FACW+	FABACEAE
AMOFRA	6	Amorpha fruticosa v. angustifolia	FALSE INDIGO BUSH	SHRUB	-4	FACW+	FABACEAE
AMOFRC	6	Amorpha fruticosa v. croceolanata	FALSE INDIGO BUSH	SHRUB	4	FACU-	FABACEAE
AMONIT	9	Amorpha nitens	SMOOTH FALSE INDIGO BUSH	SHRUB	-3	FACW	FABACEAE
AMPARB	6	Ampelopsis arborea	PEPPER-VINE	W-VINE	-3	FACW	VITACEAE
AMPBRE	*	AMPELOPSIS BREVIPEDUNCULATA	TURQUOIS BERRY	W-VINE	1	FAC-	VITACEAE
AMPCOR	2	Ampelopsis cordata	RACCOON GRAPE	W-VINE	-1	FAC+	VITACEAE
AMPDRA	*	AMPHIACHYRIS DRACUNCULOIDES	BROOMWEED	A-FORB	5	UPL	ASTERACEAE
AMPBRB	4	Amphicarpa bracteata	HOG PEANUT	H-VINE	0	FAC	FABACEAE
AMPBRC	4	Amphicarpa bracteata v. comosa	HOG PEANUT	H-VINE	0	FAC	FABACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
AMSLYC	*	AMSINCKIA LYCOPSOIDES	TARWEED	A-FORB	5	UPL	BORAGINACEAE
AMSSPE	*	AMSINCKIA SPECTABILIS	FIDDLE-NECK	A-FORB	5	UPL	BORAGINACEAE
AMSTAT	6	Amsonia tabernaemontana	BLUE STAR	P-FORB	-3	FACW	APOCYNACEAE
AMSTAS	6	Amsonia tabernaemontana v. salicifolia	BLUE STAR	P-FORB	-3	FACW	APOCYNACEAE
ANAARV	*	ANAGALLIS ARVENSIS	POOR MAN'S WEATHERGLASS	A-FORB	5	UPL	PRIMULACEAE
ANAMIN	5	Anagallis minima	CHAFFWEED	A-FORB	4	FACU-	PRIMULACEAE
ANAMAR	*	ANAPHALIS MARGARITACEA	PEARLY EVERLASTING	P-FORB	5	UPL	ASTERACEAE
ANCOFF	*	ANCHUSA OFFICINALIS	COMMON ALKANET	P-FORB	5	UPL	BORAGINACEAE
ANDPOL	10	Andromeda polifolia v. glaucophylla	BOG ROSEMARY	SHRUB	-5	OBL	ERICACEAE
ANDELL	3	Andropogon elliottii	ELLIOTT'S BROOM SEDGE	P-GRASS	5	UPL	POACEAE
ANDGER	5	Andropogon gerardii	BIG BLUESTEM	P-GRASS	1	FAC-	POACEAE
ANDHAL	*	ANDROPOGON HALLII	SAND BLUESTEM	P-GRASS	5	UPL	POACEAE
ANDTER	8	Andropogon ternarius	BEARD GRASS	P-GRASS	3	FACU	POACEAE
ANDVIR	1	Andropogon virginicus	BROOM SEDGE	P-GRASS	1	FAC-	POACEAE
ANDOCC	4	Androsace occidentalis	ANDROSACE	A-FORB	4	FACU-	PRIMULACEAE
ANECAN	4	Anemone canadensis	MEADOW ANEMONE	P-FORB	-3	FACW	RANUNCULACEAE
ANECAR	9	Anemone caroliniana	CAROLINA ANEMONE	P-FORB	5	UPL	RANUNCULACEAE
ANECYL	8	Anemone cylindrica	CANDLE ANEMONE	P-FORB	5	UPL	RANUNCULACEAE
ANEQUI	7	Anemone quinquefolia	WOOD ANEMONE	P-FORB	0	FAC	RANUNCULACEAE
ANEVIR	4	Anemone virginiana	TALL ANEMONE	P-FORB	5	UPL	RANUNCULACEAE
ANEGRA	*	ANETHUM GRAVEOLENS	DILL	A-FORB	5	UPL	APIACEAE
ANGATR	6	Angelica atropurpurea	ANGELICA	P-FORB	-5	OBL	APIACEAE
ANGVEN	8	Angelica venenosa	WOOD ANGELICA	P-FORB	5	UPL	APIACEAE
ANOCRI	*	ANODA CRISTATA	CRESTED ANODA	A-FORB	0	FAC	MALVACEAE
ANTNEG	4	Antennaria neglecta	CAT'S FOOT	P-FORB	5	UPL	ASTERACEAE
ANTPLA	4	Antennaria plantaginifolia	PUSSY TOES	P-FORB	5	UPL	ASTERACEAE
ANTARV	*	ANTHEMIS ARVENSIS	CORN CHAMOMILE	A-FORB	5	UPL	ASTERACEAE
ANTCOT	*	ANTHEMIS COTULA	DOG FENNEL	A-FORB	3	FACU	ASTERACEAE
ANTTIN	*	ANTHEMIS TINCTORIA	GOLDEN CHAMOMILE	P-FORB	5	UPL	ASTERACEAE
ANTARI	*	ANTHOXANTHUM ARISTATUM	ANNUAL SWEET GRASS	A-GRASS	5	UPL	POACEAE
ANTODO	*	ANTHOXANTHUM ODORATUM	SWEET VERNAL GRASS	P-GRASS	3	FACU	POACEAE
ANTCER	*	ANTHRISCUS CEREFOLIUM	CHERVIL	A-FORB	5	UPL	APIACEAE
ANTSYL	*	ANTHRISCUS SYLVESTRIS	FALSE CHERVIL	B-FORB	5	UPL	APIACEAE
ANTVUL	*	ANTHYLLIS VULNERARIA	LADY'S FINGERS	A-FORB	5	UPL	FABACEAE
ANTMAJ	*	ANTIRRHINUM MAJUS	COMMON SNAPDRAGON	P-FORB	5	UPL	SCROPHULARIACEAE
APIAME	3	Apios americana	GROUND NUT	H-VINE	-3	FACW	FABACEAE
APIPRI	10	Apios priceana	PRICE'S GROUNDNUT	H-VINE	0	FAC	FABACEAE
APLHYE	7	Aplectrum hyemale	ADAM-AND-EVE	P-FORB	1	FAC-	ORCHIDACEAE
APOAND	6	Apocynum androsaemifolium	SPREADING DOGBANE	P-FORB	5	UPL	APOCYNACEAE
APOCAN	2	Apocynum cannabinum	DOGBANE	P-FORB	0	FAC	APOCYNACEAE
APOMED	6	Apocynum ×medium	INTERMEDIATE DOGBANE	P-FORB	5	UPL	APOCYNACEAE APOSIB
	2	Apocynum sibiricum	INDIAN HEMP	P-FORB	-1	FAC+	APOCYNACEAE
AQUCAN	5	Aquilegia canadensis	COLUMBINE	P-FORB	1	FAC-	RANUNCULACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
AQUVUL	*	AQUILEGIA VULGARIS	GARDEN COLUMBINE	P-FORB	5	UPL	RANUNCULACEAE
ARATHA	*	ARABIDOPSIS THALIANA	MOUSE-EARED CRESS	A-FORB	5	UPL	BRASSICACEAE
ARACAN	6	Arabis canadensis	SICKLEPOD	B-FORB	5	UPL	BRASSICACEAE
ARADIV	4	Arabis divaricarpa	PURPLE ROCK CRESS	B-FORB	5	UPL	BRASSICACEAE
ARADRU	10	Arabis drummondii	DRUMMOND'S ROCK CRESS	B-FORB	3	FACU	BRASSICACEAE
ARAGLA	6	Arabis glabra	TOWER MUSTARD	B-FORB	5	UPL	BRASSICACEAE
ARAHIR	5	Arabis hirsuta	HAIRY ROCK CRESS	B-FORB	3	FACU	BRASSICACEAE
ARALAE	4	Arabis laevigata	SMOOTH ROCK CRESS	B-FORB	5	UPL	BRASSICACEAE
ARALYR	7	Arabis lyrata	LYRE-LEAVED ROCK CRESS	B-FORB	4	FACU-	BRASSICACEAE
ARASHO	6	Arabis shortii	TOOTHED CRESS	B-FORB	5	UPL	BRASSICACEAE
ARACHI	*	ARALIA CHINENSIS	CHINESE ANGELICA TREE	SHRUB	5	UPL	ARALIACEAE
ARAELA	*	ARALIA ELATA	JAPANESE ANGELICA TREE	SHRUB	5	UPL	ARALIACEAE
ARAHIS	10	Aralia hispida	BRISTLY SARSAPARILLA	P-FORB	5	UPL	ARALIACEAE
ARANUD	7	Aralia nudicaulis	WILD SARSAPARILLA	SHRUB	3	FACU	ARALIACEAE
ARARAC	8	Aralia racemosa	AMERICAN SPIKENARD	P-FORB	5	UPL	ARALIACEAE
ARASPI	6	Aralia spinosa	DEVIL'S WALKING STICK	SHRUB	-2	FACW-	ARALIACEAE
ARCLAP	*	ARCTIUM LAPPA	GREAT BURDOCK	B-FORB	5	UPL	ASTERACEAE
ARCMIN	*	ARCTIUM MINUS	COMMON BURDOCK	B-FORB	5	UPL	ASTERACEAE
ARCTOM	*	ARCTIUM TOMENTOSUM	COTTON BURDOCK	B-FORB	5	UPL	ASTERACEAE
ARCUVA	10	Arctostaphylos uva-ursi v. coactilis	BEARBERRY	SHRUB	5	UPL	ERICACEAE
ARESER	*	ARENARIA SERPYLLIFOLIA	THYME-LEAVED SANDWORT	A-FORB	0	FAC	CARYOPHYLLACEAE
ARGALB	*	ARGEMONE ALBIFLORA	WHITE PRICKLY POPPY	A-FORB	5	UPL	PAPAVERACEAE
ARGMEX	*	ARGEMONE MEXICANA	MEXICAN POPPY	A-FORB	5	UPL	PAPAVERACEAE
ARIDRA	4	Arisaema dracontium	GREEN DRAGON	P-FORB	-3	FACW	ARACEAE
ARITRI	4	Arisaema triphyllum	INDIAN TURNIP	P-FORB	-2	FACW-	ARACEAE
ARIBAS	6	Aristida basiramea	FORKED-TIP THREE-AWN GRASS	A-GRASS	5	UPL	POACEAE
ARICUR	3	Aristida curtissii	CURTISS THREE AWN GRASS	A-GRASS	3	FACU	POACEAE
ARIDES	9	Aristida desmantha	THREE AWN	A-GRASS	5	UPL	POACEAE
ARIDIC	2	Aristida dichotoma	POVERTY GRASS	A-GRASS	3	FACU	POACEAE
ARIINT	6	Aristida intermedia	FALSE ARROW FEATHER	A-GRASS	5	UPL	POACEAE
ARILON	2	Aristida longespica	THREE AWN	A-GRASS	4	FACU-	POACEAE
ARIOLI	0	Aristida oligantha	PLAINS THREE AWN GRASS	A-GRASS	5	UPL	POACEAE
ARIPUR	5	Aristida purpurascens	ARROWFEATHER	P-GRASS	5	UPL	POACEAE
ARIRAM	3	Aristida ramosissima	SLENDER THREE AWN	A-GRASS	5	UPL	POACEAE
ARITUB	9	Aristida tuberculosa	BEACH THREE AWN GRASS	A-GRASS	5	UPL	POACEAE
ARISES	6	Aristolochia serpentaria	BIRTHWORT	P-FORB	5	UPL	ARISTOLOCHIACEAE
ARISEH	10	Aristolochia serpentaria v. hastata	NARROW-LEAVED SNAKEROOT	P-FORB	-1	FAC+	ARISTOLOCHIACEAE
ARITOM	6	Aristolochia tomentosa	DUTCHMAN'S PIPE	W-VINE	0	FAC	ARISTOLOCHIACEAE
ARMAQU	10	Armoracia aquatica	LAKE CRESS	P-FORB	-5	OBL	BRASSICACEAE
ARMRUS	*	ARMORACIA RUSTICANA	HORSE RADISH	P-FORB	0	FAC	BRASSICACEAE
AROMEL	8	Aronia melanocarpa	BLACK CHOKEBERRY	SHRUB	-2	FACW-	ROSACEAE
AROPRU	8	Aronia prunifolia	PURPLE CHOKEBERRY	SHRUB	-2	FACW-	ROSACEAE
ARRELA	*	ARRHENATHERUM ELATIUS	TALL OAT GRASS	P-GRASS	3	FACU	POACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
ARTABR	*	ARTEMISIA ABROTANUM	SOUTHERNWOOD	SHRUB	5	UPL	ASTERACEAE
ARTABS	*	ARTEMISIA ABSINTHIUM	COMMON WORMWOOD	P-FORB	5	UPL	ASTERACEAE
ARTANN	*	ARTEMISIA ANNUA	ANNUAL WORMWOOD	A-FORB	3	FACU	ASTERACEAE
ARTBIE	*	ARTEMISIA BIENNIS	BIENNIAL WORMWOOD	B-FORB	-2	FACW-	ASTERACEAE
ARTCAM	4	Artemisia campestris	BEACH WORMWOOD	B-FORB	5	UPL	ASTERACEAE
ARTDRA	9	Artemisia dracunculus	FALSE TARRAGON	P-FORB	5	UPL	ASTERACEAE
ARTFRI	*	ARTEMISIA FRIGIDA	FRINGED SAGEBRUSH	SHRUB	5	UPL	ASTERACEAE
ARTLUD	2	Artemisia ludoviciana	WHITE SAGE	P-FORB	5	UPL	ASTERACEAE
ARTPON	*	ARTEMISIA PONTICA	ROMAN WORMWOOD	SHRUB	0	FAC	ASTERACEAE
ARTSER	10	Artemisia serrata	SAW-TOOTHED SAGEBRUSH	P-FORB	5	UPL	ASTERACEAE
ARTVUL	*	ARTEMISIA VULGARIS	MUGWORT	P-FORB	5	UPL	ASTERACEAE
ARUITA	*	ARUM ITALICUM	ARUM	P-FORB	5	UPL	ARACEAE
ARUDIO	7	Aruncus dioicus	GOAT'S-BEARD	P-FORB	3	FACU	ROSACEAE
ARUGIG	5	Arundinaria gigantea	GIANT CANE	P-GRASS	-3	FACW	POACEAE
ARUDON	*	ARUNDO DONAX	GIANT REED	P-GRASS	-3	FACW	POACEAE
ASACAN	5	Asarum canadense	CANADA WILD GINGER	P-FORB	5	UPL	ARISTOLOCHIACEAE
ASCAMP	7	Asclepias amplexicaulis	SAND MILKWEED	P-FORB	5	UPL	ASCLEPIADACEAE
ASCEXA	8	Asclepias exaltata	POKE MILKWEED	P-FORB	5	UPL	ASCLEPIADACEAE
ASCHIR	6	Asclepias hirtella	TALL GREEN MILKWEED	P-FORB	5	UPL	ASCLEPIADACEAE
ASCINC	4	Asclepias incarnata	SWAMP MILKWEED	P-FORB	-5	OBL	ASCLEPIADACEAE
ASCMEA	10	Asclepias meadii	MEAD'S MILKWEED	P-FORB	5	UPL	ASCLEPIADACEAE
ASCONT	10	Asclepias otarioides	WOOLLY MILKWEED	P-FORB	5	UPL	ASCLEPIADACEAE
ASCOVA	10	Asclepias ovalifolia	OVAL MILKWEED	P-FORB	5	UPL	ASCLEPIADACEAE
ASCPER	10	Asclepias perennis	WHITE MILKWEED	P-FORB	-5	OBL	ASCLEPIADACEAE
ASCPUR	7	Asclepias purpurascens	PURPLE MILKWEED	P-FORB	3	FACU	ASCLEPIADACEAE
ASCQUA	6	Asclepias quadrifolia	WHORLED MILKWEED	P-FORB	5	UPL	ASCLEPIADACEAE
ASCSPE	*	ASCLEPIAS SPECIOSA	SHOWY MILKWEED	P-FORB	0	FAC	ASCLEPIADACEAE
ASCSTE	10	Asclepias stenophylla	NARROW-LEAVED GREEN MILKWEED	P-FORB	5	UPL	ASCLEPIADACEAE
ASCSUL	7	Asclepias sullivantii	PRAIRIE MILKWEED	P-FORB	5	UPL	ASCLEPIADACEAE
ASCSYR	0	Asclepias syriaca	COMMON MILKWEED	P-FORB	5	UPL	ASCLEPIADACEAE
ASCTUB	5	Asclepias tuberosa v. interior	BUTTERFLYWEED	P-FORB	5	UPL	ASCLEPIADACEAE
ASCVAR	8	Asclepias variegata	VARIEGATED MILKWEED	P-FORB	4	FACU-	ASCLEPIADACEAE
ASCVER	1	Asclepias verticillata	HORSETAIL MILKWEED	P-FORB	5	UPL	ASCLEPIADACEAE
ASCVIF	9	Asclepias viridiflora	GREEN MILKWEED	P-FORB	5	UPL	ASCLEPIADACEAE
ASCVIS	6	Asclepias viridis	GREEN-FLOWERED MILKWEED	P-FORB	5	UPL	ASCLEPIADACEAE
ASITRI	4	Asimina triloba	PAPAW	TREE	0	FAC	ANNONACEAE
ASPOFF	*	ASPARAGUS OFFICINALIS	GARDEN ASPARAGUS	P-FORB	3	FACU	LILIACEAE
ASPPRO	*	ASPERUGO PROCUMBENS	MADWORT	A-FORB	5	UPL	BORAGINACEAE
ASPBRA	10	Asplenium bradleyi	BRADLEY'S SPLEENWORT	FERN	5	UPL	ASPLENIACEAE
ASPEBE	10	Asplenium ×ebenoides	SCOTT'S SPLEENWORT	FERN	5	UPL	ASPLENIACEAE
ASPGRA	10	Asplenium ×gravesii	GRAVES' SPLEENWORT	FERN	5	UPL	ASPLENIACEAE
ASPHER	10	Asplenium ×herb-wagneri	WAGNER'S SPLEENWORT	FERN	5	UPL	ASPLENIACEAE
ASPKEN	10	Asplenium ×kentuckiense	KENTUCKY SPLEENWORT	FERN	5	UPL	ASPLENIACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
ASPPIN	10	Asplenium pinnatifidum	PINNATIFID SPLEENWORT	FERN	5	UPL	ASPLENIACEAE
ASPPLA	4	Asplenium platyneuron	EBONY SPLEENWORT	FERN	3	FACU	ASPLENIACEAE
ASPRES	10	Asplenium resiliens	BLACK SPLEENWORT	FERN	5	UPL	ASPLENIACEAE
ASPRHI	8	Asplenium rhizophyllum	WALKING FERN	FERN	5	UPL	ASPLENIACEAE
ASPRUT	10	Asplenium ruta-muraria	WALL-RUE SPLEENWORT	FERN	5	UPL	ASPLENIACEAE
ASPSHA	10	Asplenium ×shawneense	SHAWNEE SPLEENWORT	FERN	5	UPL	ASPLENIACEAE ASPTRT
	10	Asplenium trichomanes	MAIDENHAIR SPLEENWORT	FERN	5	UPL	ASPLENIACEAE
ASPTRQ	10	Asplenium trichomanes v. quadrivalens	MAIDENHAIR SPLEENWORT	FERN	5	UPL	ASPLENIACEAE
ASPTRU	10	Asplenium ×trudellii	TRUDELL'S SPLEENWORT	FERN	5	UPL	ASPLENIACEAE
ASTAME	5	Aster ×amethystinus	AMETHYST ASTER	P-FORB	0	FAC	ASTERACEAE
ASTANO	8	Aster anomalus	BLUE ASTER	P-FORB	5	UPL	ASTERACEAE
ASTAZU	7	Aster azureus	SKY-BLUE ASTER	P-FORB	5	UPL	ASTERACEAE
ASTBOR	10	Aster borealis	RUSH ASTER	P-FORB	-5	OBL	ASTERACEAE
ASTBRA	*	ASTER BRACHYACTIS	RAYLESS ASTER	P-FORB	0	FAC	ASTERACEAE
ASTCOR	6	Aster cordifolius	HEART-LEAVED ASTER	P-FORB	5	UPL	ASTERACEAE
ASTDRU	3	Aster drummondii	DRUMMOND'S ASTER	P-FORB	3	FACU	ASTERACEAE
ASTDUM	5	Aster dumosus	BUSHY ASTER	P-FORB	-1	FAC+	ASTERACEAE
ASTERI	4	Aster ericoides	HEATH ASTER	P-FORB	4	FACU-	ASTERACEAE
ASTFIR	5	Aster firmus	SHINING ASTER	P-FORB	-5	OBL	ASTERACEAE
ASTFUR	9	Aster furcatus	FORKED ASTER	P-FORB	5	UPL	ASTERACEAE
ASTLAE	8	Aster laevis	SMOOTH BLUE ASTER	P-FORB	5	UPL	ASTERACEAE
ASTLAT	2	Aster lateriflorus	SIDE-FLOWERING ASTER	P-FORB	-2	FACW-	ASTERACEAE
ASTLIN	9	Aster linariifolius	FLAX-LEAVED ASTER	P-FORB	5	UPL	ASTERACEAE
ASTMAC	9	Aster macrophyllus	BIG-LEAVED ASTER	P-FORB	5	UPL	ASTERACEAE
ASTNOV	4	Aster novae-angliae	NEW ENGLAND ASTER	P-FORB	-3	FACW	ASTERACEAE
ASTOBL	7	Aster oblongifolius	AROMATIC ASTER	P-FORB	5	UPL	ASTERACEAE
ASTONT	4	Aster ontarionis	ONTARIO ASTER	P-FORB	0	FAC	ASTERACEAE
ASTPAR	3	Aster parviceps	SMALL-HEADED ASTER	P-FORB	5	UPL	ASTERACEAE
ASTPAT	6	Aster patens	PURPLE DAISY	P-FORB	5	UPL	ASTERACEAE
ASTPIL	0	Aster pilosus	HAIRY ASTER	P-FORB	4	FACU-	ASTERACEAE
ASTPRA	4	Aster praealtus	WILLOW ASTER	P-FORB	-5	OBL	ASTERACEAE
ASTPRE	10	Aster prenanthoides	CROOKED ASTER	P-FORB	-5	OBL	ASTERACEAE
ASTPUN	7	Aster puniceus	BRISTLY ASTER	P-FORB	-5	OBL	ASTERACEAE
ASTSAG	4	Aster sagittifolius	ARROW-LEAVED ASTER	P-FORB	5	UPL	ASTERACEAE
ASTSCH	10	Aster schreberi	SMOOTH FORKED ASTER	P-FORB	5	UPL	ASTERACEAE
ASTSER	9	Aster sericeus	SILKY ASTER	P-FORB	5	UPL	ASTERACEAE
ASTSHO	6	Aster shortii	SHORT'S ASTER	P-FORB	5	UPL	ASTERACEAE
ASTSIM	3	Aster simplex	PANICLED ASTER	P-FORB	-5	OBL	ASTERACEAE
ASTSUB	*	ASTER SUBULATUS	EXPRESSWAY ASTER	A-FORB	-5	OBL	ASTERACEAE
ASTTAT	*	ASTER TATARICUS	TARTARIAN ASTER	P-FORB	5	UPL	ASTERACEAE
ASTTUR	7	Aster turbinellus	PRAIRIE ASTER	P-FORB	5	UPL	ASTERACEAE
ASTUMB	8	Aster umbellatus	FLAT-TOP ASTER	P-FORB	-3	FACW	ASTERACEAE
ASTUND	9	Aster undulatus	WAVY-LEAVED ASTER	P-FORB	5	UPL	ASTERACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
ASTVIM	3	Aster vimineus	SMALL WHITE ASTER	P-FORB	-2	FACW-	ASTERACEAE
ASTAGR	*	ASTRAGALUS AGRESTIS	FIELD MILK VETCH	P-FORB	-2	FACW-	FABACEAE
ASTCAN	7	Astragalus canadensis	CANADIAN MILK VETCH	P-FORB	-1	FAC+	FABACEAE
ASTCRA	8	Astragalus crassicarpus v. trichocalyx	LARGE GROUND PLUM	P-FORB	5	UPL	FABACEAE
ASTDIS	8	Astragalus distortus	BENT MILK VETCH	P-FORB	5	UPL	FABACEAE
ASTTEN	10	Astragalus tennesseensis	TENNESSEE MILK VETCH	P-FORB	5	UPL	FABACEAE
ATHANG	6	Athyrium angustum	LADY FERN	FERN	0	FAC	ASPLENIACEAE
ATHASP	6	Athyrium asplenioides	SOUTHERN LADY FERN	FERN	0	FAC	ASPLENIACEAE
ATHPYC	10	Athyrium pycnocarpon	GLADE FERN	FERN	1	FAC-	ASPLENIACEAE
ATHTHE	10	Athyrium thelypterioides	SILVERY SPLEENWORT	FERN	0	FAC	ASPLENIACEAE
ATRARG	*	ATRIPLEX ARGENTEA	SILVER ORACH	A-FORB	0	FAC	CHENOPODIACEAE
ATRGLA	*	ATRIPLEX GLABRIUSCULA	SMOOTH ORACH	A-FORB	5	UPL	CHENOPODIACEAE
ATRHOR	*	ATRIPLEX HORTENSIS	GARDEN ORACH	A-FORB	0	FAC	CHENOPODIACEAE
ATRPAT	*	ATRIPLEX PATULA	FAT-HEN SALTBUSH	A-FORB	2	FACU+	CHENOPODIACEAE
ATRROS	*	ATRIPLEX ROSEA	RED ORACHE	A-FORB	2	FACU+	CHENOPODIACEAE
AURFLA	8	Aureolaria flava	SMOOTH FALSE FOXGLOVE	P-FORB	5	UPL	SCROPHULARIACEAE
AURGRA	6	Aureolaria grandiflora v. pulchra	YELLOW FALSE FOXGLOVE	P-FORB	5	UPL	SCROPHULARIACEAE
AURPED	9	Aureolaria pedicularia v. ambigens	CLAMMY FALSE FOXGLOVE	A-FORB	5	UPL	SCROPHULARIACEAE
AVEFAT	*	AVENA FATUA	WILD OATS	A-GRASS	5	UPL	POACEAE
AVESAT	*	AVENA SATIVA	OATS	A-GRASS	5	UPL	POACEAE
AZOMEX	8	Azolla mexicana	MEXICAN AZOLLA	FERN	-5	OBL	SALVINIACEAE
BACROT	5	Bacopa rotundifolia	WATER HYSSOP	P-FORB	-5	OBL	SCROPHULARIACEAE
BALNIG	*	BALLOTA NIGRA	BLACK HOREHOUND	P-FORB	5	UPL	LAMIACEAE
BALMAJ	*	BALSAMITA MAJOR	COSTMARY	P-FORB	5	UPL	ASTERACEAE
BAPAUA	*	BAPTISIA AUSTRALIS	BLUE WILD INDIGO	P-FORB	5	UPL	FABACEAE
BAPAUM	*	BAPTISIA AUSTRALIS v. MINOR	BLUE WILD INDIGO	P-FORB	5	UPL	FABACEAE
BAPLAC	6	Baptisia lactea	WHITE WILD INDIGO	P-FORB	3	FACU	FABACEAE
BAPLEL	9	Baptisia leucophaea	CREAM WILD INDIGO	P-FORB	5	UPL	FABACEAE
BAPLEG	9	Baptisia leucophaea v. glabrescens	CREAM WILD INDIGO	P-FORB	5	UPL	FABACEAE
BAPTIN	10	Baptisia tinctoria v. crebra	YELLOW WILD INDIGO	P-FORB	5	UPL	FABACEAE
BARVER	*	BARBAREA VERNA	EARLY WINTER CRESS	B-FORB	5	UPL	BRASSICACEAE
BARVUL	*	BARBAREA VULGARIS	WINTER CRESS	B-FORB	0	FAC	BRASSICACEAE
BARPAN	10	Bartonia paniculata	SCREWSTEM	A-FORB	-5	OBL	GENTIANACEAE
BARVIR	10	Bartonia virginica	YELLOW BARTONIA	A-FORB	-4	FACW+	GENTIANACEAE
BECSYZ	10	Beckmannia syzigachne	AMERICAN SLOUGH GRASS	A-GRASS	-5	OBL	POACEAE
BELCHI	*	BELAMCANDA CHINENSIS	BLACKBERRY LILLY	P-FORB	5	UPL	IRIDACEAE
BELPER	*	BELLIS PERENNIS	ENGLISH DAISY	P-FORB	5	UPL	ASTERACEAE
BERCAN	10	Berberis canadensis	ALLEGHENY BARBERRY	SHRUB	5	UPL	BERBERIDACEAE
BERTHU	*	BERBERIS THUNBERGII	JAPANESE BARBERRY	SHRUB	4	FACU-	BERBERIDACEAE
BERVUL	*	BERBERIS VULGARIS	COMMON BARBERRY	SHRUB	3	FACU	BERBERIDACEAE
BERSCA	5	Berchemia scandens	SUPPLE-JACK	W-VINE	-1	FAC+	RHAMNACEAE
BERTEX	10	Bergia texana	BERGIA	A-FORB	-5	OBL	ELATINACEAE
BERINC	*	BERTEROA INCANA	HOARY ALYSSUM	A-FORB	5	UPL	BRASSICACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
BERERE	10	Berula erecta	WATER PARSNIP	P-FORB	-5	OBL	APIACEAE
BESBUL	8	Besseya bullii	KITTEN TAILS	P-FORB	5	UPL	SCROPHULARIACEAE
BETALL	10	Betula alleghaniensis	YELLOW BIRCH	TREE	0	FAC	BETULACEAE
BETNIG	4	Betula nigra	RIVER BIRCH	TREE	-3	FACW	BETULACEAE
BETPAP	7	Betula papyrifera	PAPER BIRCH	TREE	2	FACU+	BETULACEAE
BETPEN	*	BETULA PENDULA	EUROPEAN WHITE BIRCH	TREE	2	FACU+	BETULACEAE
BETPOP	*	BETULA POPULIFOLIA	GRAY BIRCH	TREE	0	FAC	BETULACEAE
BETPUM	10	Betula pumila	DWARF BIRCH	SHRUB	-5	OBL	BETULACEAE
BIDARA	1	Bidens aristosa	SWAMP MARIGOLD	A-FORB	-3	FACW	ASTERACEAE
BIDARR	1	Bidens aristosa v. retrorsa	BUR MARIGOLD	A-FORB	-3	FACW	ASTERACEAE
BIDBIP	*	BIDENS BIPINNATA	SPANISH NEEDLES	A-FORB	-2	FACW-	ASTERACEAE
BIDCER	2	Bidens cernua	NODDING BUR MARIGOLD	A-FORB	-5	OBL	ASTERACEAE
BIDCON	2	Bidens connata	PURPLESTEMMED TICKSEED	A-FORB	-5	OBL	ASTERACEAE
BIDCOR	7	Bidens coronata	TALL SWAMP MARIGOLD	A-FORB	-5	OBL	ASTERACEAE
BIDDIS	6	Bidens discoidea	SWAMP BEGGAR'S TICKS	A-FORB	-3	FACW	ASTERACEAE
BIDFRO	1	Bidens frondosa	COMMON BEGGAR'S TICKS	A-FORB	-3	FACW	ASTERACEAE
BIDTRI	2	Bidens tripartita	SWAMP TICKSEED	A-FORB	-5	OBL	ASTERACEAE
BIDVUL	0	Bidens vulgata	TALL BEGGAR'S TICKS	A-FORB	-3	FACW	ASTERACEAE
BIGCAP	8	Bignonia capreolata	CROSS VINE	W-VINE	-3	FACW	BIGNONIACEAE
BLECIL	6	Blephilia ciliata	OHIO HORSE MINT	P-FORB	5	UPL	LAMIACEAE
BLEHIR	5	Blephilia hirsuta	WOOD MINT	P-FORB	4	FACU-	LAMIACEAE
BOECYC	3	Boehmeria cylindrica	FALSE NETTLE	P-FORB	-5	OBL	URTICACEAE
BOECYD	3	Boehmeria cylindrica v. drummondiana	ROUGH FALSE NETTLE	P-FORB	-5	OBL	URTICACEAE
BOLAST	5	Boltonia asteroides	FALSE ASTER	P-FORB	-3	FACW	ASTERACEAE
BOLDEC	4	Boltonia decurrens	ILLINOIS FALSE ASTER	P-FORB	-5	OBL	ASTERACEAE
BOLDIF	4	Boltonia diffusa	FALSE ASTER	P-FORB	-3	FACW	ASTERACEAE
BOROFF	*	BORAGO OFFICINALIS	BORAGE	A-FORB	5	UPL	BORAGINACEAE
BOTSAC	*	BOTHRIOCHLOA SACCHAROIDES	SILVER BEARDGRASS	P-GRASS	5	UPL	POACEAE
BOTBIT	7	Botrychium biternatum	SOUTHERN GRAPE FERN	FERN	1	FAC-	OPHIOGLOSSACEAE
BOTDID	6	Botrychium dissectum	BRONZE FERN	FERN	0	FAC	OPHIOGLOSSACEAE
BOTDIO	4	Botrychium dissectum v. obliquum	BRONZE FERN	FERN	0	FAC	OPHIOGLOSSACEAE
BOTMAT	10	Botrychium matricariaefolium	DAISY-LEAF GRAPE FERN	FERN	3	FACU	OPHIOGLOSSACEAE
BOTMUL	10	Botrychium multifidum	NORTHERN GRAPE FERN	FERN	3	FACU	OPHIOGLOSSACEAE
BOTONE	10	Botrychium oneidense	ONEIDA GRAPE FERN	FERN	5	UPL	OPHIOGLOSSACEAE
BOTSIM	4	Botrychium simplex	DWARF GRAPE FERN	FERN	0	FAC	OPHIOGLOSSACEAE
BOTVIR	4	Botrychium virginianum	RATTLESNAKE FERN	FERN	3	FACU	OPHIOGLOSSACEAE
BOUCUR	7	Bouteloua curtipendula	SIDE-OATS GRAMA	P-GRASS	5	UPL	POACEAE
BOUGRA	5	Bouteloua gracilis	BLUE GRAMA	P-GRASS	5	UPL	POACEAE
BOUHIR	9	Bouteloua hirsuta	HAIRY GRAMA	P-GRASS	5	UPL	POACEAE
BRAERE	7	Brachyelytrum erectum	LONG-AWNED WOOD GRASS	P-GRASS	5	UPL	POACEAE
BRASCH	7	Brasenia schreberi	WATERSHIELD	P-FORB	-5	OBL	CABOMBACEAE
BRAHIR	*	BRASSICA HIRTA	WHITE MUSTARD	A-FORB	5	UPL	BRASSICACEAE
BRAJUN	*	BRASSICA JUNCEA	INDIAN MUSTARD	A-FORB	5	UPL	BRASSICACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
BRAKAB	0	Brassica kaber	CHARLOCK	A-FORB	5	UPL	BRASSICACEAE
BRANAP	*	BRASSICA NAPUS	TURNIP	A-FORB	5	UPL	BRASSICACEAE
BRANIG	*	BRASSICA NIGRA	BLACK MUSTARD	A-FORB	5	UPL	BRASSICACEAE
BRAOLE	*	BRASSICA OLERACEA	MUSTARD	A-FORB	5	UPL	BRASSICACEAE
BRARAP	*	BRASSICA RAPA	BIRD'S RAPE	A-FORB	5	UPL	BRASSICACEAE
BRIEUP	6	Brickellia eupatorioides	FALSE BONESET	P-FORB	5	UPL	ASTERACEAE
BRIMAX	*	BRIZA MAXIMA	BIG QUAKING GRASS	A-GRASS	5	UPL	POACEAE
BROARV	*	BROMUS ARVENSIS	CHESS	P-GRASS	5	UPL	POACEAE
BROBRI	*	BROMUS BRIZAEFORMIS	RATTLESNAKE CHESS	A-GRASS	5	UPL	POACEAE
BROCAR	*	BROMUS CARINATUS	CALIFORNIA BROME	P-GRASS	5	UPL	POACEAE
BROCAT	*	BROMUS CATHARTICUS	RESCUE GRASS	A-GRASS	5	UPL	POACEAE
BROCIL	10	Bromus ciliatus	FRINGED BROME	P-GRASS	-5	OBL	POACEAE
BROCOM	*	BROMUS COMMUTATUS	HAIRY BROME	A-GRASS	5	UPL	POACEAE
BROERE	*	BROMUS ERECTUS	ERECT BROME GRASS	P-GRASS	5	UPL	POACEAE
BROHOR	*	BROMUS HORDEACEUS	SOFT CHESS	A-GRASS	5	UPL	POACEAE
BROINE	*	BROMUS INERMIS	HUNGARIAN BROME	P-GRASS	5	UPL	POACEAE
BROJAP	*	BROMUS JAPONICUS	JAPANESE CHESS	A-GRASS	3	FACU	POACEAE
BROKAL	10	Bromus kalmii	PRAIRIE BROME	P-GRASS	0	FAC	POACEAE
BROMAR	*	BROMUS MARGINATUS	MOUNTAIN BROME	P-GRASS	5	UPL	POACEAE
BRONOT	10	Bromus nottowayanus	WOODLAND BROME	P-GRASS	3	FACU	POACEAE
BROPUB	5	Bromus pubescens	WOODLAND BROME	P-GRASS	2	FACU+	POACEAE
BROPUR	7	Bromus purgans	EAR-LEAVED BROME	P-GRASS	-2	FACW-	POACEAE
BRORAC	*	BROMUS RACEMOSUS	SMOOTH CHESS	A-GRASS	5	UPL	POACEAE
BROSEC	*	BROMUS SECALINUS	CHEAT GRASS	A-GRASS	5	UPL	POACEAE
BROSQU	*	BROMUS SQUARROSUS	NODDING BROME	A-GRASS	5	UPL	POACEAE
BROSTE	*	BROMUS STERILIS	POVERTY BROME	A-GRASS	5	UPL	POACEAE
BROTEC	*	BROMUS TECTORUM	CHEAT GRASS	A-GRASS	5	UPL	POACEAE
BROPAP	*	BROUSSONETIA PAPYRIFERA	PAPER MULBERRY	TREE	5	UPL	MORACEAE
BRUOVA	7	Brunnichia ovata	BUCKWHEAT VINE	W-VINE	-3	FACW	POLYGONACEAE
BUCDAC	*	BUCHLOE DACTYLOIDES	BUFFALO GRASS	P-GRASS	4	FACU-	POACEAE
BUCAME	10	Buchnera americana	BLUE HEARTS	P-FORB	1	FAC-	SCROPHULARIACEAE
BUGARV	*	BUGLOSSOIDES ARVENSE	CORN GROMWELL	A-FORB	5	UPL	BORAGINACEAE
BULCAP	4	Bulbostylis capillaris	HAIR SEDGE	A-SEDGE	2	FACU+	CYPERACEAE
BUMLAN	10	Bumelia lanuginosa	CHITTAM WOOD	TREE	3	FACU	SAPOTACEAE
BUMLYC	10	Bumelia lycioides	SOUTHERN BUCKTHORN	SHRUB	-3	FACW	SAPOTACEAE
BUPROT	*	BUPLEURUM ROTUNDIFOLIUM	THOROUGHWAX	A-FORB	5	UPL	APIACEAE
BUTUMB	*	BUTOMUS UMBELLATUS	FLOWERING RUSH	P-FORB	-5	OBL	BUTOMACEAE
CABCAR	8	Cabomba caroliniana	CABOMBA	P-FORB	-5	OBL	CABOMBACEAE
CACATR	5	Cacalia atriplicifolia	PALE INDIAN PLANTAIN	P-FORB	5	UPL	ASTERACEAE
CACMUH	10	Cacalia muhlenbergii	GREAT INDIAN PLANTAIN	P-FORB	5	UPL	ASTERACEAE
CACPLA	10	Cacalia plantaginea	PRAIRIE INDIAN PLANTAIN	P-FORB	0	FAC	ASTERACEAE
CACSUA	10	Cacalia suaveolens	SWEET INDIAN PLANTAIN	P-FORB	-5	OBL	ASTERACEAE
CAKLAC	9	Cakile edentula v. lacustris	SEA ROCKET	A-FORB	3	FACU	BRASSICACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
CALCAN	3	Calamagrostis canadensis	BLUE JOINT GRASS	P-GRASS	-5	OBL	POACEAE
CALEPI	*	CALAMAGROSTIS EPIGEIOS	FEATHERTOP	P-GRASS	-5	OBL	POACEAE
CALINE	5	Calamagrostis inexpansa v. brevior	BOG REED GRASS	P-GRASS	-4	FACW+	POACEAE
CALNEG	*	CALAMAGROSTIS NEGLECTA	REED-BENT GRASS	P-GRASS	-4	FACW+	POACEAE
CALARK	8	Calamintha arkansana	LOW CALAMINT	P-FORB	-3	FACW	LAMIACEAE
CALLON	8	Calamovilfa longifolia	SAND REED	P-GRASS	5	UPL	POACEAE
CALLPA	10	Calla palustris	WATER ARUM	P-FORB	-5	OBL	ARACEAE
CALALC	5	Callirhoe alcaeoides	PALE POPPY MALLOW	P-FORB	5	UPL	MALVACEAE
CALDIG	*	CALLIRHOE DIGITATA	POPPY MALLOW	P-FORB	5	UPL	MALVACEAE
CALINV	*	CALLIRHOE INVOLUCRATA	PURPLE POPPY MALLOW	P-FORB	5	UPL	MALVACEAE
CALTRI	9	Callirhoe triangulata	CLUSTERED POPPY MALLOW	P-FORB	5	UPL	MALVACEAE
CALHET	5	Callitriche heterophylla	LARGE WATER STARWORT	A-FORB	-5	OBL	CALLITRICHACEAE
CALTER	2	Callitriche terrestris	TERRESTRIAL STARWORT	A-FORB	3	FACU	CALLITRICHACEAE
CALVER	5	Callitriche verna	COMMON WATER STARWORT	P-FORB	-5	OBL	CALLITRICHACEAE
CALTUB	10	Calopogon tuberosus	GRASS PINK ORCHID	P-FORB	-5	OBL	ORCHIDACEAE
CALTPA	7	Caltha palustris	COWSLIP	P-FORB	-5	OBL	RANUNCULACEAE
CALFLO	*	CALYCANTHUS FLORIDUS	STRAWBERRY-SHRUB	SHRUB	5	UPL	CALYCANTHACEAE
CALLYO	7	Calycocarpum lyonii	CUPSEED	W-VINE	-3	FACW	MENISPERMACEAE
CALSER	*	CALYLOPHUS SERRULATUS	TOOTHED EVENING PRIMROSE	SHRUB	5	UPL	ONAGRACEAE
CALPUB	*	CALYSTEGIA PUBESCENS	CALIFORNIA ROSE	P-FORB	5	UPL	CONVOLVULACEAE
CALSEP	1	Calystegia sepium	AMERICAN BINDWEED	P-FORB	0	FAC	CONVOLVULACEAE
CALSPI	10	Calystegia spithamaea	DWARF BINDWEED	P-FORB	5	UPL	CONVOLVULACEAE
CAMANG	7	Camassia angusta	WILD HYACINTH	P-FORB	5	UPL	LILIACEAE
CAMSCI	7	Camassia scilloides	WILD HYACINTH	P-FORB	-1	FAC+	LILIACEAE
CAMMIC	*	CAMELINA MICROCARPA	SMALL-FRUITED FALSE FLAX	A-FORB	5	UPL	BRASSICACEAE
CAMSAT	*	CAMELINA SATIVA	FALSE FLAX	A-FORB	5	UPL	BRASSICACEAE
CAMAME	4	Campanula americana	AMERICAN BELLFLOWER	A-FORB	0	FAC	CAMPANULACEAE
CAMAPA	8	Campanula aparinoides	MARSH BELLFLOWER	P-FORB	-5	OBL	CAMPANULACEAE
CAMGLO	*	CAMPANULA GLOMERATA	CLUSTERED BELLFLOWER	P-FORB	5	UPL	CAMPANULACEAE
CAMRAP	*	CAMPANULA RAPUNCULOIDES	EUROPEAN BELLFLOWER	P-FORB	5	UPL	CAMPANULACEAE
CAMROT	8	Campanula rotundifolia	HAREBELL	P-FORB	1	FAC-	CAMPANULACEAE
CAMULI	10	Campanula uliginosa	MARSH BELLFLOWER	P-FORB	-5	OBL	CAMPANULACEAE
CAMRAD	2	Campsis radicans	TRUMPET CREEPER	W-VINE	0	FAC	BIGNONIACEAE
CANENS	*	CANAVALIA ENSIFORMIS	JACK BEAN	A-FORB	5	UPL	FABACEAE
CANSAT	*	CANNABIS SATIVA	HASHISH	A-FORB	0	FAC	MORACEAE
CAPBUR	*	CAPSELLA BURSA-PASTORIS	SHEPHERD'S PURSE	A-FORB	1	FAC-	BRASSICACEAE
CARARB	*	CARAGANA ARBORESCENS	PEA TREE	SHRUB	5	UPL	FABACEAE
CARBUL	5	Cardamine bulbosa	BULB BITTERCRESS	P-FORB	-5	OBL	BRASSICACEAE
CARDOU	6	Cardamine douglassii	NORTHERN BITTER CRESS	P-FORB	-3	FACW	BRASSICACEAE
CARHIR	*	CARDAMINE HIRSUTA	HAIRY BITTER CRESS	A-FORB	3	FACU	BRASSICACEAE
CARPAR	2	Cardamine parviflora v. arenicola	SMALL-FLOWERED BITTER CRESS	A-FORB	0	FAC	BRASSICACEAE
CARPEN	3	Cardamine pensylvanica	BITTER CRESS	B-FORB	-4	FACW+	BRASSICACEAE
CARPRA	10	Cardamine pratensis v. palustris	CUCKOO FLOWER	P-FORB	-5	OBL	BRASSICACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
CARDRA	*	CARDARIA DRABA	HOARY CRESS	P-FORB	5	UPL	BRASSICACEAE
CARHAL	*	CARDIOSPERMUM HALICACABUM	LOVE-IN-A-PUSS	A-FORB	0	FAC	SAPINDACEAE
CARACA	*	CARDUUS ACANTHOIDES	ACANTHUS BRISTLE THISTLE	B-FORB	5	UPL	ASTERACEAE
CARNUT	*	CARDUUS NUTANS	MUSK BRISTLE THISTLE	B-FORB	5	UPL	ASTERACEAE
CXAGGR	4	Carex aggregata	SMOOTH CLUSTERED SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXALAT	10	Carex alata	WINGED OVAL SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXALBO	9	Carex albolutescens	LONG-FRUITED OVAL SEDGE	P-SEDGE	-3	FACW	CYPERACEAE
CXALBU	7	Carex albursina	BLUNT-SCALED WOOD SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXALOP	4	Carex alopecoidea	BROWN-HEADED FOX SEDGE	P-SEDGE	-4	FACW+	CYPERACEAE
CXAMPH	7	Carex amphibola	GRAY SEDGE	P-SEDGE	-1	FAC+	CYPERACEAE
CXANNA	3	Carex annectens	LARGE YELLOW FOX SEDGE	P-SEDGE	-3	FACW	CYPERACEAE
CXANNX	3	Carex annectens v. xanthocarpa	SMALL YELLOW FOX SEDGE	P-SEDGE	-3	FACW	CYPERACEAE
CXARKA	8	Carex arkansana	ARKANSAS SEDGE	P-SEDGE	3	FACU	CYPERACEAE
CXARTI	5	Carex artitecta	BLUNT-SCALED OAK SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXATHE	6	Carex atherodes	HAIRY-LEAVED LAKE SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXAURE	9	Carex aurea	GOLDEN SEDGE	P-SEDGE	-4	FACW+	CYPERACEAE
CXBEBB	8	Carex bebbii	BEBB'S OVAL SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXBICK	8	Carex bicknellii	BICKNELL'S SEDGE	P-SEDGE	1	FAC-	CYPERACEAE
CXBLAN	2	Carex blanda	COMMON WOOD SEDGE	P-SEDGE	0	FAC	CYPERACEAE
CXBREV	4	Carex brevior	PLAINS OVAL SEDGE	P-SEDGE	0	FAC	CYPERACEAE
CXBROM	10	Carex bromoides	BROME HUMMOCK SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXBRUN	10	Carex brunnescens v. sphaerostachya	GREEN BOG SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXBUSH	4	Carex bushii	LONG-SCALED GREEN SEDGE	P-SEDGE	-3	FACW	CYPERACEAE
CXBUXB	9	Carex buxbaumii	DARK-SCALED SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXCANE	10	Carex canescens v. disjuncta	GRAY BOG SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXCARE	10	Carex careyana	CAREY'S WOOD SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXCARO	7	Carex caroliniana	SHORT-SCALED GREEN SEDGE	P-SEDGE	0	FAC	CYPERACEAE
CXCEPD	5	Carex cephaloidea	ROUGH CLUSTERED SEDGE	P-SEDGE	2	FACU+	CYPERACEAE
CXCEPP	3	Carex cephalophora	SHORT-HEADED BRACTED SEDGE	P-SEDGE	3	FACU	CYPERACEAE
CXCHOR	10	Carex chordorrhiza	CORDROOT SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXCOMM	9	Carex communis	COMMON BEECH SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXCOMO	6	Carex comosa	BRISTLY SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXCONJ	5	Carex conjuncta	GREEN-HEADED FOX SEDGE	P-SEDGE	-3	FACW	CYPERACEAE
CXCONO	10	Carex conoidea	PRAIRIE GRAY SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXCRAE	7	Carex crawei	EARLY FEN SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXCRAF	7	Carex crawfordii	CRAWFORD'S OVAL SEDGE	P-SEDGE	-1	FAC+	CYPERACEAE
CXCRIN	8	Carex crinita	FRINGED SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXCRIS	3	Carex cristatella	CRESTED OVAL SEDGE	P-SEDGE	-4	FACW+	CYPERACEAE
CXCRUS	6	Carex crus-corvi	CROWFOOT FOX SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXCRYP	9	Carex cryptolepis	SMALL YELLOW SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXCUMU	10	Carex cumulata	CROWDED OVAL SEDGE	P-SEDGE	4	FACU-	CYPERACEAE
CXDAVI	3	Carex davisii	AWNED GRACEFUL SEDGE	P-SEDGE	-1	FAC+	CYPERACEAE
CXDEBI	10	Carex debilis	WEAK SEDGE	P-SEDGE	-3	FACW	CYPERACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
CXDECO	10	Carex decomposita	BROAD-LEAVED PANICLED SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXDIAN	10	Carex diandra	BOG PANICLED SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXDIGI	8	Carex digitalis	NARROW-LEAVED WOOD SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXDISP	10	Carex disperma	TWO-SEEDED SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXEBUR	9	Carex eburnea	IVORY SEDGE	P-SEDGE	4	FACU-	CYPERACEAE
CXECHI	10	Carex echinata	LARGE-FRUITED STAR SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXEMMO	10	Carex emmonsii	SHARP-SCALED OAK SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXEMOR	6	Carex emoryi	RIVERBANK SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXFEST	6	Carex festucacea	FESCUE OVAL SEDGE	P-SEDGE	0	FAC	CYPERACEAE
CXFLAC	10	Carex flaccosperma	PALE GRAY SEDGE	P-SEDGE	-3	FACW	CYPERACEAE
CXFOEN	7	Carex foenea	RUNNING SAVANNA SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXFORM	10	Carex formosa	AWNLESS GRACEFUL SEDGE	P-SEDGE	-4	FACW+	CYPERACEAE
CXFRAN	4	Carex frankii	BRISTLY CATTAIL SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXGARB	10	Carex garberi	FALSE GOLDEN SEDGE	P-SEDGE	-3	FACW	CYPERACEAE
CXGIGA	10	Carex gigantea	GREATER HOP SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXGLAU	5	Carex glaucodea	BLUE SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXGRAS	7	Carex gracilescens	SLENDER WOOD SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXGRAM	9	Carex gracillima	PURPLE-SHEATHED	P-SEDGE	3	FACU	CYPERACEAE
CXGRNG	2	Carex granularis	PALE SEDGE	P-SEDGE	-4	FACW+	CYPERACEAE
CXGRAH	2	Carex granularis v. haleana	PALE SEDGE	P-SEDGE	-4	FACW+	CYPERACEAE
CXGRVG	4	Carex gravida	LONG-AWNED BRACTED SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXGRAL	4	Carex gravida v. lunelliana	LONG-AWNED BRACTED SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXGRAY	6	Carex grayi	COMMON BUR SEDGE	P-SEDGE	-4	FACW+	CYPERACEAE
CXGRIS	3	Carex grisea	WOOD GRAY SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXHAYD	7	Carex haydenii	LONG-SCALED TUSSOCK SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXHIRS	5	Carex hirsutella	HAIRY GREEN SEDGE	P-SEDGE	4	FACU-	CYPERACEAE
CXHIRT	6	Carex hirtifolia	HAIRY WOOD SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXHITC	10	Carex hitchcockiana	HAIRY GRAY SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXHYAL	4	Carex hyalinolepis	SOUTHERN LAKE SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXHYST	6	Carex hystericina	PORCUPINE SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXINCO	10	Carex incomperta	ATLANTIC STAR SEDGE	P-SEDGE	-3	FACW	CYPERACEAE
CXINTE	8	Carex interior	PRAIRIE STAR SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXINTU	9	Carex intumescens	SHINING BUR SEDGE	P-SEDGE	-4	FACW+	CYPERACEAE
CXJAME	4	Carex jamesii	GRASS SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXLACU	6	Carex lacustris	COMMON LAKE SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXLAEC	10	Carex laeviconica	LONG-TOOTHED LAKE SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXLAEG	7	Carex laevivaginata	SMOOTH-SHEATHED LAKE SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXLANU	4	Carex lanuginosa	WOOLY SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXLASI	10	Carex lasiocarpa	NARROW-LEAVED WOOLLY SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXLAXC	8	Carex laxiculmis	WEAK-STEMMED WOOD SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXLAXF	10	Carex laxiflora	BEECH WOOD SEDGE	P-SEDGE	0	FAC	CYPERACEAE
CXLEAV	2	Carex leavenworthii	DWARF BRACTED SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXLEPT	10	Carex leptalea	SLENDER SEDGE	P-SEDGE	-5	OBL	CYPERACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
CXLIMO	10	Carex limosa	MUCK SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXLONG	8	Carex longii	ROUND-SHOULDERED OVAL SEDGE	P-SEDGE	0	FAC	CYPERACEAE
CXLOUI	9	Carex louisianica	SOUTHERN HOP SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXLUPF	5	Carex lupuliformis	KNOBBED HOP SEDGE	P-SEDGE	-4	FACW+	CYPERACEAE
CXLUPN	5	Carex lupulina	COMMON HOP SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXLURI	7	Carex lurida	BOTTLEBRUSH SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXMEAD	6	Carex meadii	MEAD'S STIFF SEDGE	P-SEDGE	4	FACU-	CYPERACEAE
CXMOLE	2	Carex molesta	FIELD OVAL SEDGE	P-SEDGE	0	FAC	CYPERACEAE
CXMUHM	5	Carex muhlenbergii	SAND BRACTED SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXMUHE	5	Carex muhlenbergii v. enervis	SAND BRACTED SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXMUSK	6	Carex muskingumensis	SWAMP OVAL SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXNEBR	*	CAREX NEBRASKENSIS	PLAINS TUSSOCK SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXNIGR	10	Carex nigromarginata	DARK BRACTED OAK SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXNORM	4	Carex normalis	SPREADING OVAL SEDGE	P-SEDGE	-3	FACW	CYPERACEAE
CXOLIC	5	Carex oligocarpa	FEW-FRUITED GRAY SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXOLIS	10	Carex oligosperma	RUNNING BOG SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXOXYL	10	Carex oxylepis	SHORT-STALKED GRACEFUL SEDGE	P-SEDGE	-3	FACW	CYPERACEAE
CXPALL	10	Carex pallescens	PALE GREEN SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXPEDU	10	Carex pedunculata	LONG-STALKED HUMMOCK SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXPENP	5	Carex pensylvanica	PENNSYLVANIA OAK SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXPEND	5	Carex pensylvanica v. distans	PENNSYLVANIA OAK SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXPHYS	10	Carex physorhyncha	SLENDER OAK SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXPLAN	10	Carex plantaginea	PLANTAIN-LEAVED WOOD SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXPLAT	10	Carex platyphylla	BROAD-LEAVED WOOD SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXPRAE	*	CAREX PRAEGRACILIS	EXPRESSWAY SEDGE	P-SEDGE	-3	FACW	CYPERACEAE
CXPRAI	10	Carex prairea	FEN PANICLED SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXPRAS	10	Carex prasina	LEEK SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXPRAT	*	CAREX PRATICOLA	LARGE-FRUITED OVAL SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXPROJ	4	Carex projecta	LOOSE-HEADED OVAL SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXRADI	5	Carex radiata	STRAIGHT-STYLED WOOD SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXRENI	10	Carex reniformis	GREATER OVAL SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXRETF	5	Carex retroflexa	BENT BRACTED SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXRETS	7	Carex retrorsa	DEFLEXED BOTTLEBRUSH SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXRICS	10	Carex richardsonii	PRAIRIE HUMMOCK SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXRICI	10	Carex richii	AWNED OVAL SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXROSE	5	Carex rosea	CURLY-STYLED WOOD SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXSART	5	Carex sartwellii	RUNNING MARSH SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXSCOP	5	Carex scoparia	LANCE-FRUITED OVAL SEDGE	P-SEDGE	-3	FACW	CYPERACEAE
CXSHOR	4	Carex shortiana	SHORT'S SEDGE	P-SEDGE	-4	FACW+	CYPERACEAE
CXSOCI	10	Carex socialis	CREEPING WOOD SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXSPAR	4	Carex sparganioides	LOOSE-HEADED BRACTED SEDGE	P-SEDGE	0	FAC	CYPERACEAE
CXSPIC	*	CAREX SPICATA	SPIKED BRACTED SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXSPRE	8	Carex sprengelii	LONG-BEAKED SEDGE	P-SEDGE	0	FAC	CYPERACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
CXSQUA	5	Carex squarrosa	NARROW-LEAVED CATTAIL SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXSTEN	*	CAREX STENOPHYLLA v. ENERVIS	SPIKERUSH SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXSTER	10	Carex sterilis	FEN STAR SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXSTIP	2	Carex stipata	COMMON FOX SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXSTRT	10	Carex striatula	SOUTHERN WOOD SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXSTRC	5	Carex stricta	COMMON TUSSOCK SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXSUBE	7	Carex suberecta	WEDGE-FRUITED OVAL SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXSUBI	5	Carex ×subimpressa	HYBRID LAKE SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXSUBS	6	Carex substricta	LONG-BRACTED TUSSOCK SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXSWAN	8	Carex swanii	DOWNY GREEN SEDGE	P-SEDGE	3	FACU	CYPERACEAE
CXTENE	5	Carex tenera	NARROW-LEAVED OVAL SEDGE	P-SEDGE	-1	FAC+	CYPERACEAE
CXTETA	5	Carex tetanica	COMMON STIFF SEDGE	P-SEDGE	-3	FACW	CYPERACEAE
CXTEXE	6	Carex texensis	TEXAS BRACTED SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXTONS	8	Carex tonsa	SMOOTH-FRUITED OAK SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXTORT	8	Carex torta	BEAKED RIVERBANK SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXTRIB	3	Carex tribuloides	AWL-FRUITED OVAL SEDGE	P-SEDGE	-4	FACW+	CYPERACEAE
CXTRIC	6	Carex trichocarpa	HAIRY-FRUITED LAKE SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXTRIS	10	Carex trisperma	THREE-SEEDED BOG SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXTUCK	10	Carex tuckermanii	BENT-SEEDED HOP SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXTYPH	6	Carex typhina	COMMON CATTAIL SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXUMBE	6	Carex umbellata	EARLY OAK SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXUTRI	9	Carex utriculata	COMMON YELLOW LAKE SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXVESI	9	Carex vesicaria	TUFTED LAKE SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXVIRE	10	Carex virescens	SLENDER GREEN SEDGE	P-SEDGE	3	FACU	CYPERACEAE
CXVIRI	9	Carex viridula	GREEN YELLOW SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXVULP	3	Carex vulpinoidea	BROWN FOX SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
CXWILL	9	Carex willdenowii	WILLDENOW'S GRASS SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CXWOOD	10	Carex woodii	WOOD'S STIFF SEDGE	P-SEDGE	0	FAC	CYPERACEAE
CARCAL	6	Carpinus caroliniana	BLUE BEECH	TREE	0	FAC	CORYLACEAE
CARTIN	*	CARTHAMUS TINCTORIUS	SAFFLOWER	A-FORB	5	UPL	ASTERACEAE
CARCAV	*	CARUM CARVI	CARAWAY	B-FORB	5	UPL	APIACEAE
CARAQU	10	Carya aquatica	WATER HICKORY	TREE	-5	OBL	JUGLANDACEAE
CARCOR	4	Carya cordiformis	BITTERNUT HICKORY	TREE	0	FAC	JUGLANDACEAE
CARGLA	5	Carya glabra	PIGNUT HICKORY	TREE	3	FACU	JUGLANDACEAE
CARILL	6	Carya illinoensis	PECAN	TREE	-3	FACW	JUGLANDACEAE
CARLAC	7	Carya laciniosa	BIG SHELLBARK	TREE	-3	FACW	JUGLANDACEAE
CAROVL	5	Carya ovalis	FALSE SHAGBARK HICKORY	TREE	5	UPL	JUGLANDACEAE
CAROVT	4	Carya ovata	SHAGBARK HICKORY	TREE	3	FACU	JUGLANDACEAE
CARPAL	10	Carya pallida	PALE HICKORY	TREE	5	UPL	JUGLANDACEAE
CARTEX	8	Carya texana	BLACK HICKORY	TREE	5	UPL	JUGLANDACEAE
CARTOM	6	Carya tomentosa	MOCKERNUT HICKORY	TREE	5	UPL	JUGLANDACEAE
CASFAS	1	Cassia fasciculata	GOLDEN CASSIA	A-FORB	4	FACU-	CAESALPINIACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
CASHEB	9	Cassia hebecarpa	WILD SENNA	P-FORB	-3	FACW	CAESALPINIACEAE
CASMAR	4	Cassia marilandica	MARYLAND SENNA	P-FORB	-3	FACW	CAESALPINIACEAE
CASNIC	2	Cassia nictitans	WILD SENSITIVE PLANT	A-FORB	4	FACU-	CAESALPINIACEAE
CASOBT	2	Cassia obtusifolia	SICKLEPOD	A-FORB	5	UPL	CAESALPINIACEAE
CASOCC	*	CASSIA OCCIDENTALIS	COFFEE SENNA	A-FORB	5	UPL	CAESALPINIACEAE
CASDEN	9	Castanea dentata	AMERICAN CHESTNUT	TREE	5	UPL	FAGACEAE
CASMOL	*	CASTANEA MOLLISSIMA	CHINESE CHESTNUT	TREE	5	UPL	FAGACEAE
CASCOC	8	Castilleja coccinea	INDIAN PAINTBRUSH	A-FORB	0	FAC	SCROPHULARIACEAE
CASSES	10	Castilleja sessiliflora	DOWNY YELLOW PAINTED CUP	P-FORB	5	UPL	SCROPHULARIACEAE
CATBIG	*	CATALPA BIGNONIODES	COMMON CATALPA	TREE	3	FACU	BIGNONIACEAE
CATSPE	0	Catalpa speciosa	CIGAR TREE	TREE	3	FACU	BIGNONIACEAE
CAUTHA	8	Caulophyllum thalictroides	BLUE COHOSH	P-FORB	5	UPL	BERBERIDACEAE
CEAAME	8	Ceanothus americanus	NEW JERSEY TEA	SHRUB	5	UPL	RHAMNACEAE
CEAHER	9	Ceanothus herbaceus	INLAND NEW JERSEY TEA	SHRUB	5	UPL	RHAMNACEAE
CELORB	*	CELASTRUS ORBICULATUS	ORIENTAL BITTERSWEET	W-VINE	5	UPL	CELASTRACEAE
CELSCA	2	Celastrus scandens	CLIMBING BITTERSWEET	W-VINE	3	FACU	CELASTRACEAE
CELLAE	5	Celtis laevigata	SUGARBERRY	TREE	-3	FACW	ULMACEAE
CELOCC	3	Celtis occidentalis	HACKBERRY	TREE	1	FAC-	ULMACEAE
CELTEN	7	Celtis tenuifolia	DWARF HACKBERRY	SHRUB	5	UPL	ULMACEAE
CENLON	0	Cenchrus longispinus	MAT SANDBUR	A-GRASS	5	UPL	POACEAE
CENAME	*	CENTAUREA AMERICANA	AMERICAN BASKET FLOWER	A-FORB	5	UPL	ASTERACEAE
CENCAL	*	CENTAUREA CALCITRAPA	PURPLE STAR THISTLE	A-FORB	5	UPL	ASTERACEAE
CENCYA	*	CENTAUREA CYANUS	BACHELOR'S BUTTON	A-FORB	5	UPL	ASTERACEAE
CENDIF	*	CENTAUREA DIFFUSA	SPREADING STAR THISTLE	A-FORB	5	UPL	ASTERACEAE
CENDUB	*	CENTAUREA DUBIA	TYROL KNAPWEED	P-FORB	5	UPL	ASTERACEAE
CENJAC	*	CENTAUREA JACEA	BROWN KNAPWEED	P-FORB	5	UPL	ASTERACEAE
CENMAC	*	CENTAUREA MACULOSA	SPOTTED CENTAUREA	B-FORB	5	UPL	ASTERACEAE
CENMOS	*	CENTAUREA MOSCHATA	SWEET SULTAN	A-FORB	5	UPL	ASTERACEAE
CENNIG	*	CENTAUREA NIGRA	BLACK KNAPWEED	P-FORB	5	UPL	ASTERACEAE
CENREP	*	CENTAUREA REPENS	RUSSIAN KNAPWEED	P-FORB	5	UPL	ASTERACEAE
CENSOL	*	CENTAUREA SOLSTITIALIS	BARNABY'S THISTLE	A-FORB	5	UPL	ASTERACEAE
CENPUL	*	CENTAURIUM PULCHELLUM	SHOWY CENTAURY	A-FORB	4	FACU-	GENTIANACEAE
CEPOCC	4	Cephalanthus occidentalis	BUTTONBUSH	SHRUB	-5	OBL	RUBIACEAE
CERARV	4	Cerastium arvense	FIELD CHICKWEED	P-FORB	4	FACU-	CARYOPHYLLACEAE
CERBRA	*	CERASTIUM BRACHYPETALUM	SHORT-PEDICELLED CHICKWEED	A-FORB	5	UPL	CARYOPHYLLACEAE
CERDIF	*	CERASTIUM DIFFUSUM	FOUR-PARTED CHICKWEED	A-FORB	5	UPL	CARYOPHYLLACEAE
CERDUB	*	CERASTIUM DUBIUM	THREE-STYLED CHICKWEED	A-FORB	5	UPL	CARYOPHYLLACEAE
CERGLO	*	CERASTIUM GLOMERATUM	CLAMMY CHICKWEED	P-FORB	5	UPL	CARYOPHYLLACEAE
CERNUN	0	Cerastium nutans	NODDING CHICKWEED	A-FORB	2	FACU+	CARYOPHYLLACEAE
CERNUB	0	Cerastium nutans v. brachypodum	SHORT-PEDICELLED CHICKWEED	A-FORB	4	FACU-	CARYOPHYLLACEAE
CERPUM	*	CERASTIUM PUMILUM	CURTIS'S MOUSE-EAR CHICKWEED	A-FORB	5	UPL	CARYOPHYLLACEAE
CERSEM	*	CERASTIUM SEMIDECANDRUM	SMALL MOUSE-EAR CHICKWEED	A-FORB	5	UPL	CARYOPHYLLACEAE
CERVUL	*	CERASTIUM VULGATUM	COMMON MOUSE-EAR CHICKWEED	P-FORB	3	FACU	CARYOPHYLLACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
CERTES	*	CERATOCEPHALUS TESTICULATUS	BUR BUTTERCUP	A-FORB	5	UPL	RANUNCULACEAE
CERDEM	3	Ceratophyllum demersum	COONTAIL	P-FORB	-5	OBL	CERATOPHYLLACEAE
CERMUR	10	Ceratophyllum muricatum	SPINY COONTAIL	P-FORB	-5	OBL	CERATOPHYLLACEAE
CERCAN	3	Cercis canadensis	EASTERN REDBUD	TREE	3	FACU	CAESALPINIACEAE
CHAJAP	*	CHAENOMELES JAPONICA	JAPANESE QUINCE	SHRUB	5	UPL	ROSACEAE
CHAMIN	*	CHAENORRHINUM MINUS	DWARF SNAPDRAGON	A-FORB	5	UPL	SCROPHULARIACEAE
CHAPRC	1	Chaerophyllum procumbens	STREAMBANK CHERVIL	A-FORB	-1	FAC+	APIACEAE
CHATAI	1	Chaerophyllum tainturieri	WILD CHERVIL	A-FORB	2	FACU+	APIACEAE
CHACAL	10	Chamaedaphne calyculata v. angustifolia	LEATHERLEAF	SHRUB	-5	OBL	ERICACEAE
CHALUT	9	Chamaelirium luteum	BLAZING STAR	P-FORB	4	FACU-	LILIACEAE
CHANOB	*	CHAMAEMELUM NOBILE	GARDEN CHAMOMILE	P-FORB	5	UPL	ASTERACEAE
CHAGEY	10	Chamaesyce geyeri	GYERE'S SPURGE	A-FORB	5	UPL	EUPHORBIACEAE
CHAGLY	3	Chamaesyce glyptosperma	SMOOTH CREEPING SPURGE	A-FORB	5	UPL	EUPHORBIACEAE
CHAHUM	1	Chamaesyce humistrata	SPREADING SPURGE	A-FORB	-3	FACW	EUPHORBIACEAE
CHAMAC	0	Chamaesyce maculata	NODDING SPURGE	A-FORB	4	FACU-	EUPHORBIACEAE
CHAPOL	10	Chamaesyce polygonifolia	SEASIDE SPURGE	A-FORB	5	UPL	EUPHORBIACEAE
CHAPRS	*	CHAMAESYCE PROSTRATA	MATTED SPURGE	A-FORB	5	UPL	EUPHORBIACEAE
CHASEN	2	Chamaesyce serpens	ROUND-LEAVED SPURGE	A-FORB	5	UPL	EUPHORBIACEAE
CHASEL	*	CHAMAESYCE SERPYLLIFOLIA	THYME-LEAVED SPURGE	A-FORB	5	UPL	EUPHORBIACEAE
CHASUP	0	Chamaesyce supina	SPOTTED CREEPING SPURGE	A-FORB	5	UPL	EUPHORBIACEAE
CHAVER	0	Chamaesyce vermiculata	HAIRY SPURGE	A-FORB	5	UPL	EUPHORBIACEAE
CHALAT	4	Chasmanthium latifolium	SEA OATS	P-GRASS	-3	FACW	POACEAE
CHEFEE	8	Cheilanthes feei	BABY LIP FERN	FERN	5	UPL	ADIANTACEAE
CHELAN	7	Cheilanthes lanosa	HAIRY LIP FERN	FERN	5	UPL	ADIANTACEAE
CHEMAJ	*	CHELIDONIUM MAJUS	CELANDINE	B-FORB	5	UPL	PAPAVERACEAE
CHEGLB	7	Chelone glabra	WHITE TURTLEHEAD	P-FORB	-5	OBL	SCROPHULARIACEAE
CHEOBL	8	Chelone obliqua v. speciosa	PINK TURTLEHEAD	P-FORB	-5	OBL	SCROPHULARIACEAE
CHEALB	*	CHENOPODIUM ALBUM	LAMB'S QUARTERS	A-FORB	1	FAC-	CHENOPODIACEAE
CHEAMB	*	CHENOPODIUM AMBROSIOIDES	AMERICAN WORMSEED	A-FORB	1	FAC-	CHENOPODIACEAE
CHEBER	0	Chenopodium berlandieri	GOOSEFOOT	A-FORB	5	UPL	CHENOPODIACEAE
CHEBON	*	CHENOPODIUM BONUS-HENRICUS	GOOD KING HENRY	P-FORB	5	UPL	CHENOPODIACEAE
CHEBOT	*	CHENOPODIUM BOTRYS	JERUSALEM OAK	A-FORB	1	FAC-	CHENOPODIACEAE
CHEBUS	2	Chenopodium bushianum	GOOSEFOOT	A-FORB	5	UPL	CHENOPODIACEAE
CHECAP	*	CHENOPODIUM CAPITATUM	STRAWBERRY BLITE	A-FORB	5	UPL	CHENOPODIACEAE
CHEDES	0	Chenopodium desiccatum v. leptophylloides	NARROW-LEAVED GOOSEFOOT	A-FORB	5	UPL	CHENOPODIACEAE
CHEGIG	3	Chenopodium gigantospermum	MAPLE-LEAVED GOOSEFOOT	A-FORB	5	UPL	CHENOPODIACEAE
CHEGLC	*	CHENOPODIUM GLAUCUM	OAK-LEAVED GOOSEFOOT	A-FORB	-3	FACW	CHENOPODIACEAE
CHEMIS	1	Chenopodium missouriense	MISSOURI GOOSEFOOT	A-FORB	5	UPL	CHENOPODIACEAE
CHEMUR	*	CHENOPODIUM MURALE	NETTLE-LEAVED GOOSEFOOT	A-FORB	5	UPL	CHENOPODIACEAE
CHEPAL	2	Chenopodium pallescens	NARROW-LEAVED GOOSEFOOT	A-FORB	5	UPL	CHENOPODIACEAE
CHEPOL	*	CHENOPODIUM POLYSPERMUM	MANY-SEEDED GOOSEFOOT	A-FORB	5	UPL	CHENOPODIACEAE
CHEPUM	*	CHENOPODIUM PUMILIO	GOOSEFOOT	A-FORB	5	UPL	CHENOPODIACEAE
CHERUB	*	CHENOPODIUM RUBRUM	COAST BLITE	A-FORB	-5	OBL	CHENOPODIACEAE

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CHESTA	3	Chenopodium standleyanum	WOODLAND GOOSEFOOT	A-FORB	5	UPL	CHENOPODIACEAE
CHESTR	0	Chenopodium strictum v. glaucophyllum	GOOSEFOOT	A-FORB	5	UPL	CHENOPODIACEAE
CHEURB	*	CHENOPODIUM URBICUM	CITY GOOSEFOOT	A-FORB	5	UPL	CHENOPODIACEAE
CHIMAC	10	Chimaphila maculata	SPOTTED WINTERGREEN	SHRUB	5	UPL	PYROLACEAE
CHIUMB	10	Chimaphila umbellata v. cisatlantica	PIPSISSEWA	SHRUB	5	UPL	PYROLACEAE
CHLGAY	*	CHLORIS GAYANA	FINGER GRASS	P-GRASS	5	UPL	POACEAE
CHLVER	*	CHLORIS VERTICILLATA	WINDMILL GRASS	P-GRASS	5	UPL	POACEAE
CHOTEN	*	CHORISPORA TENELLA	PURPLE ROCKET	A-FORB	5	UPL	BRASSICACEAE
CICINT	*	CICHORIUM INTYBUS	CHICKORY	P-FORB	5	UPL	ASTERACEAE
CICBUL	9	Cicuta bulbifera	BULBLET-BEARING WATER HEMLOCK	P-FORB	-5	OBL	APIACEAE
CICMAC	4	Cicuta maculata	WATER HEMLOCK	B-FORB	-5	OBL	APIACEAE
CIMAME	10	Cimicifuga americana	AMERICAN BUGBANE	P-FORB	5	UPL	RANUNCULACEAE
CIMRAC	10	Cimicifuga racemosa	FALSE BUGBANE	P-FORB	0	FAC	RANUNCULACEAE
CIMRUB	10	Cimicifuga rubifolia	BLACK COHOSH	P-FORB	5	UPL	RANUNCULACEAE
CINARU	5	Cinna arundinacea	COMMON WOOD REED	P-GRASS	-3	FACW	POACEAE
CINLAT	10	Cinna latifolia	DROOPING WOOD REED	P-GRASS	-4	FACW+	POACEAE
CIRALP	5	Circaea alpina	SMALL ENCHANTER'S NIGHTSHADE	P-FORB	-3	FACW	ONAGRACEAE
CIRLUT	2	Circaea lutetiana v. canadensis	ENCHANTER'S NIGHTSHADE	P-FORB	3	FACU	ONAGRACEAE
CIRALT	3	Cirsium altissimum	TALL THISTLE	P-FORB	5	UPL	ASTERACEAE
CIRARV	*	CIRSIUM ARVENSE	FIELD THISTLE	P-FORB	3	FACU	ASTERACEAE
CIRCAR	B	Cirsium carolinianum	CAROLINA THISTLE	B-FORB	5	UPL	ASTERACEAE
CIRDIS	3	Cirsium discolor	PASTURE THISTLE	B-FORB	5	UPL	ASTERACEAE
CIRMUT	9	Cirsium muticum	FEN THISTLE	B-FORB	-5	OBL	ASTERACEAE
CIRPIT	10	Cirsium pitcheri	DUNE THISTLE	B-FORB	5	UPL	ASTERACEAE
CIRPUM	7	Cirsium pumilum	HILL'S THISTLE	P-FORB	5	UPL	ASTERACEAE
CIRUND	*	CIRSIUM UNDULATUM	WAVY-LEAVED THISTLE	P-FORB	1	FAC-	ASTERACEAE
CIRVUL	*	CIRSIUM VULGARE	BULL THISTLE	B-FORB	4	FACU-	ASTERACEAE
CITLAN	*	CITRULLUS LANATUS	WATERMELON	H-VINE	5	UPL	CUCURBITACEAE
CLAMAR	10	Cladium mariscoides	TWIG RUSH	P-SEDGE	-5	OBL	CYPERACEAE
CLALUT	10	Cladrastis lutea	YELLOWWOOD	TREE	5	UPL	FABACEAE
CLAVIR	1	Claytonia virginica	SPRING BEAUTY	P-FORB	3	FACU	PORTULACACEAE
CLECRI	10	Clematis crispa	BLUE JASMINE	W-VINE	-5	OBL	RANUNCULACEAE
CLEOCC	10	Clematis occidentalis	MOUNTAIN CLEMATIS	W-VINE	5	UPL	RANUNCULACEAE
CLEPIT	4	Clematis pitcheri	LEATHER FLOWER	W-VINE	3	FACU	RANUNCULACEAE
CLETER	*	CLEMATIS TERNIFLORA	VIRGIN'S BOWER	W-VINE	5	UPL	RANUNCULACEAE
CLEVIO	10	Clematis viorna	LEATHERFLOWER	W-VINE	5	UPL	RANUNCULACEAE
CLEVIR	3	Clematis virginiana	VIRGIN'S BOWER	W-VINE	0	FAC	RANUNCULACEAE
CLEHAS	*	CLEOME HASSLERIANA	SPIDER FLOWER	A-FORB	5	UPL	CAPPARIDACEAE
CLESER	*	CLEOME SERRULATA	PINK CLEOME	A-FORB	5	UPL	CAPPARIDACEAE
CLIVUL	*	CLINOPODIUM VULGARE	DOGMINT	P-FORB	5	UPL	LAMIACEAE
CLIBOR	10	Clintonia borealis	BLUEBEAD	P-FORB	-1	FAC+	LILIACEAE
CLIMAR	9	Clitoria mariana	BUTTERFLY PEA	P-FORB	5	UPL	FABACEAE
CNIBEN	*	CNICUS BENEDICTUS	BLESSED THISTLE	A-FORB	5	UPL	ASTERACEAE

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COCCAR	6	Cocculus carolinus	SNAILSEED	W-VINE	0	FAC	MENISPERMACEAE
COEVIR	8	Coeloglossum viride	BRACTED GREEN ORCHID	P-FORB	0	FAC	ORCHIDACEAE
COIMON	*	COINCYA MONENSIS	WALLFLOWER CABBAGE	B-FORB	5	UPL	BRASSICACEAE
COLVER	5	Collinsia verna	BLUE-EYED MARY	A-FORB	3	FACU	SCROPHULARIACEAE
COLVIO	7	Collinsia violacea	VIOLET COLLINSIA	A-FORB	5	UPL	SCROPHULARIACEAE
COLCAN	9	Collinsonia canadensis	CITRONELLA HORSE BALM	P-FORB	0	FAC	LAMIACEAE
COLLIN	*	COLLOMIA LINEARIS	SLENDERLEAF COLLOMIA	A-FORB	3	FACU	POLEMONIACEAE
COMUMB	6	Comandra umbellata	BASTARD TOAD-FLAX	P-FORB	3	FACU	SANTALACEAE
COMCOM	*	COMMELINA COMMUNIS	COMMON DAY FLOWER	A-FORB	0	FAC	COMMELINACEAE
COMOIF	3	Commelina diffusa	DAY FLOWER	A-FORB	-3	FACW	COMMELINACEAE
COMERE	5	Commelina erecta	DAY FLOWER	P-FORB	5	UPL	COMMELINACEAE
COMVIR	5	Commelina virginica	DAY FLOWER	P-FORB	-3	FACW	COMMELINACEAE
COMPER	9	Comptonia peregrina	SWEET FERN	SHRUB	5	UPL	MYRICACEAE
CONCHI	10	Conioselinum chinense	HEMLOCK PARSLEY	P-FORB	-3	FACW	APIACEAE
CONMAC	*	CONIUM MACULATUM	POISON HEMLOCK	B-FORB	-3	FACW	APIACEAE
CONAME	10	Conopholis americana	CANCER ROOT	P-FORB	5	UPL	OROBANCHACEAE
CONORI	*	CONRINGIA ORIENTALIS	HARE'S EAR MUSTARD	A-FORB	-4	FACW+	BRASSICACEAE
CONAMB	*	CONSOLIDA AMBIGUA	ROCKET LARKSPUR	A-FORB	5	UPL	RANUNCULACEAE
CONREG	*	CONSOLIDA REGALIS	FORKING LARKSPUR	A-FORB	5	UPL	RANUNCULACEAE
CONMAJ	*	CONVALLARIA MAJALIS	LILY-OF-THE-VALLEY	P-FORB	5	UPL	LILIACEAE
CONARV	*	CONVOLVULUS ARVENSIS	FIELD BINDWEED	P-FORB	5	UPL	CONVOLVULACEAE
CONINC	*	CONVOLVULUS INCANUS	NEBRASKA GLORYBIND	P-FORB	5	UPL	CONVOLVULACEAE
CONCAN	0	Conyza canadensis	HORSEWEED	A-FORB	1	FAC-	ASTERACEAE
CONRAM	1	Conyza ramosissima	DWARF FLEABANE	A-FORB	5	UPL	ASTERACEAE
CORMAC	8	Corallorhiza maculata	SPOTTED CORAL ROOT	P-FORB	4	FACU-	ORCHIDACEAE
CORODO	6	Corallorhiza odontorhiza	FALL CORAL ROOT	P-FORB	5	UPL	ORCHIDACEAE
CORTRF	10	Corallorhiza trifida	EARLY CORAL ROOT	P-FORB	-2	FACW-	ORCHIDACEAE
CORWIS	7	Corallorhiza wisteriana	CORAL ROOT	P-FORB	2	FACU+	ORCHIDACEAE
CORBAS	*	COREOPSIS BASALIS	GOLDEN WAVE	A-FORB	5	UPL	ASTERACEAE
CORGRA	*	COREOPSIS GRANDIFLORA	LARGE-FLOWERED COREOPSIS	P-FORB	5	UPL	ASTERACEAE
CORLAN	5	Coreopsis lanceolata	SAND COREOPSIS	P-FORB	3	FACU	ASTERACEAE
CORPAL	6	Coreopsis palmata	PRAIRIE COREOPSIS	P-FORB	5	UPL	ASTERACEAE
CORPUB	8	Coreopsis pubescens	STAR TICKSEED	P-FORB	1	FAC-	ASTERACEAE
CORTIN	*	COREOPSIS TINCTORIA	GOLDEN COREOPSIS	A-FORB	1	FAC-	ASTERACEAE
CORTRP	4	Coreopsis tripteris	TALL COREOPSIS	P-FORB	0	FAC	ASTERACEAE
CORSAT	*	CORIANDRUM SATIVUM	CORIANDER	A-FORB	5	UPL	APIACEAE
CORHYS	6	Corispermum hyssopifolium	COMMON BUGSEED	A-FORB	3	FACU	CHENOPODIACEAE
CORNIT	6	Corispermum nitidum	SMALL BUGSEED	A-FORB	5	UPL	CHENOPODIACEAE
CORALT	7	Cornus alternifolia	ALTERNATE-LEAVED DOGWOOD	TREE	5	UPL	CORNACEAE
CORAMO	10	Cornus amomum	SILKY DOGWOOD	SHRUB	-4	FACW+	CORNACEAE
CORCAN	10	Cornus canadensis	BUNCHBERRY	SHRUB	0	FAC	CORNACEAE
CORDRU	2	Cornus drummondii	ROUGH-LEAVED DOGWOOD	SHRUB	0	FAC	CORNACEAE
CORFLO	5	Cornus florida	FLOWERING DOGWOOD	TREE	4	FACU-	CORNACEAE

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CORFOE	7	Cornus foemina	STIFF DOGWOOD	SHRUB	-2	FACW-	CORNACEAE
COROBL	4	Cornus obliqua	PALE DOGWOOD	SHRUB	-5	OBL	CORNACEAE
CORRAC	2	Cornus racemosa	GRAY DOGWOOD	SHRUB	-2	FACW-	CORNACEAE
CORRUG	10	Cornus rugosa	ROUND-LEAVED DOGWOOD	SHRUB	5	UPL	CORNACEAE
CORSTS	4	Cornus stolonifera	RED OSIER DOGWOOD	SHRUB	-3	FACW	CORNACEAE
CORSTB	9	Cornus stolonifera v. baileyi	BAILEY'S DOGWOOD	SHRUB	5	UPL	CORNACEAE
CORVAR	*	CORONILLA VARIA	CROWN VETCH	P-FORB	5	UPL	FABACEAE
CORDID	*	CORONOPUS DIDYMUS	WART CRESS	A-FORB	5	UPL	BRASSICACEAE
CORAUR	5	Corydalis aurea	GOLDEN CORYDALIS	A-FORB	5	UPL	PAPAVERACEAE
CORCAM	5	Corydalis campestris	PLAINS CORYDALIS	B-FORB	5	UPL	PAPAVERACEAE
CORCUR	7	Corydalis curvisiliqua v. grandibracteata	BRACTED CORYDALIS	B-FORB	5	UPL	PAPAVERACEAE
CORFLA	5	Corydalis flavula	PALE CORYDALIS	B-FORB	2	FACU+	PAPAVERACEAE
CORMIM	4	Corydalis micrantha	SLENDER CORYDALIS	B-FORB	5	UPL	PAPAVERACEAE
CORMIA	10	Corydalis micrantha v. australis	HALE'S CORYDALIS	B-FORB	5	UPL	PAPAVERACEAE
CORSEM	9	Corydalis sempervirens	PINK CORYDALIS	B-FORB	5	UPL	PAPAVERACEAE
CORAME	4	Corylus americana	AMERICAN FILBERT	SHRUB	0	FAC	CORYLACEAE
CORROS	8	Corylus rostrata	BEAKED HAZELNUT	SHRUB	5	UPL	CORYLACEAE
COSBIP	*	COSMOS BIPINNATUS	COMMON COSMOS	A-FORB	-2	FACW-	ASTERACEAE
COSSUL	*	COSMOS SULPHUREUS	YELLOW COSMOS	A-FORB	5	UPL	ASTERACEAE
COTMUL	*	COTONEASTER MULTIFLORA	MANY-FLOWERED COTONEASTER	SHRUB	5	UPL	ROSACEAE
CRACAL	5	Crataegus calpodendron	SUGAR HAWTHORN	TREE	5	UPL	ROSACEAE
CRACHR	5	Crataegus chrysocarpa	FIREBERRY HAWTHORN	TREE	5	UPL	ROSACEAE
CRACOA	5	Crataegus coccinea	SCARLET HAWTHORN	TREE	5	UPL	ROSACEAE
CRACOD	5	Crataegus coccinioides	FALSE SCARLET HAWTHORN	TREE	5	UPL	ROSACEAE
CRACRU	2	Crataegus crus-galli	COCK-SPUR HAWTHORN	TREE	0	FAC	ROSACEAE
CRAFLA	5	Crataegus flabellata	LARGE-SEEDED HAWTHORN	TREE	5	UPL	ROSACEAE
CRAINT	5	Crataegus intricata	BILTMORE HAWTHORN	TREE	5	UPL	ROSACEAE
CRAMAR	10	Crataegus marshallii	PARSLEY HAW	TREE	-3	FACW	ROSACEAE
CRAMOL	2	Crataegus mollis	DOWNY HAWTHORN	TREE	-2	FACW-	ROSACEAE
CRAMON	*	CRATAEGUS MONOGYNA	ENGLISH HAWTHORN	TREE	5	UPL	ROSACEAE
CRAPHA	5	Crataegus phaenopyrum	WASHINGTON HAWTHORN	TREE	0	FAC	ROSACEAE
CRAPRU	3	Crataegus pruinosa	FROSTED HAWTHORN	TREE	5	UPL	ROSACEAE
CRAPUN	2	Crataegus punctata	DOTTED HAWTHORN	TREE	5	UPL	ROSACEAE
CRASPA	6	Crataegus spathulata	LITTLEHIP HAWTHORN	TREE	-3	FACW	ROSACEAE
CRASUC	5	Crataegus succulenta	FLESHY HAWTHORN	TREE	5	UPL	ROSACEAE
CRAVIR	5	Crataegus viridis	GREEN THORN	TREE	-3	FACW	ROSACEAE
CRECAP	*	CREPIS CAPILLARIS	HAWK'S BEARD	A-FORB	5	UPL	ASTERACEAE
CREPUL	*	CREPIS PULCHRA	HAWK'S BEARD	A-FORB	5	UPL	ASTERACEAE
CRETEC	*	CREPIS TECTORUM	NARROW-LEAVED HAWK'S BEARD	A-FORB	5	UPL	ASTERACEAE
CROSAG	3	Crotalaria sagittalis	RATTLEBOX	A-FORB	5	UPL	FABACEAE
CROSPE	*	CROTALARIA SPECTABILIS	SHOWY RATTLEBOX	A-FORB	5	UPL	FABACEAE
CROCAP	0	Croton capitatus	HOGWORT	A-FORB	5	UPL	EUPHORBIACEAE
CROGLA	1	Croton glandulosus v. septentrionalis	SAND CROTON	A-FORB	5	UPL	EUPHORBIACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
CROLID	*	CROTON LINDHEIMERIANUS	ROUND-LEAVED WOOLLY CROTON	A-FORB	5	UPL	EUPHORBIACEAE
CROMON	2	Croton monanthogynus	PRAIRIE TEA	A-FORB	5	UPL	EUPHORBIACEAE
CROTEX	*	CROTON TEXENSIS	TEXAS CROTON	A-FORB	5	UPL	EUPHORBIACEAE
CROELL	5	Crotonopsis elliptica	RUSHFOIL	A-FORB	5	UPL	EUPHORBIACEAE
CROLIR	8	Crotonopsis linearis	RUSHFOIL	A-FORB	5	UPL	EUPHORBIACEAE
CRYSCH	*	CRYPSIS SCHOENOIDES	FALSE FOXTAIL	A-GRASS	5	UPL	POACEAE
CRYSTE	10	Cryptogramma stelleri	SLENDER CLIFFBRAKE	FERN	3	FACU	ADIANTACEAE
CRYCAN	1	Cryptotaenia canadensis	HONEWORT	P-FORB	0	FAC	APIACEAE
CUCMEL	*	CUCUMIS MELO	MUSKMELON	A-FORB	5	UPL	CUCURBITACEAE
CUCSAT	*	CUCUMIS SATIVUS	CUCUMBER	A-FORB	5	UPL	CUCURBITACEAE
CUCFOE	*	CUCURBITA FOETIDISSIMA	MISSOURI GOURD	H-VINE	5	UPL	CUCURBITACEAE
CUCPEP	*	CUCURBITA PEPO v. OVIFERA	PEAR GOURD	H-VINE	3	FACU	CUCURBITACEAE
CUNORI	5	Cunila origanoides	DITTANY	P-FORB	5	UPL	LAMIACEAE
CUPVIS	4	Cuphea viscosissima	BLUE WAXWEED	A-FORB	3	FACU	LYTHRACEAE
CUSCAM	2	Cuscuta campestris	FIELD DODDER	A-FORB	5	UPL	CUSCUTACEAE
CUSCEP	5	Cuscuta cephalanthi	BUTTONBUSH DODDER	A-FORB	5	UPL	CUSCUTACEAE
CUSCOM	10	Cuscuta compacta	COMPACT DODDER	A-FORB	5	UPL	CUSCUTACEAE
CUSCOR	5	Cuscuta coryli	HAZEL DODDER	A-FORB	5	UPL	CUSCUTACEAE
CUSCUS	5	Cuscuta cuspidata	STALKED DODDER	A-FORB	-4	FACW+	CUSCUTACEAE
CUSGLO	6	Cuscuta glomerata	ROPE DODDER	A-FORB	0	FAC	CUSCUTACEAE
CUSGRO	2	Cuscuta gronovii	COMMON DODDER	A-FORB	-3	FACW	CUSCUTACEAE
CUSIND	5	Cuscuta indecora	FALSE FIELD DODDER	A-FORB	0	FAC	CUSCUTACEAE
CUSPEN	5	Cuscuta pentagona	PRAIRIE DODDER	A-FORB	5	UPL	CUSCUTACEAE
CUSPOL	5	Cuscuta polygonorum	KNOTWEED DODDERE	A-FORB	5	UPL	CUSCUTACEAE
CYCATR	3	Cycloloma atriplicifolium	WINGED PIGWEED	A-FORB	3	FACU	CHENOPODIACEAE
CYDOBL	*	CYDONIA OBLONGA	COMMON QUINCE	TREE	5	UPL	ROSACEAE
CYMMUR	*	CYMBALARIA MURALIS	KENILWORTH IVY	P-FORB	5	UPL	SCROPHULARIACEAE
CYNLAE	1	Cynanchum laeve	BLUE VINE	W-VINE	0	FAC	ASCLEPIADACEAE
CYNNIG	*	CYNANCHUM NIGRUM	BLACK SWALLOW-WORT	P-FORB	5	UPL	ASCLEPIADACEAE
CYNDAC	*	CYNODON DACTYLON	BERMUDA GRASS	P-GRASS	3	FACU	POACEAE
CYNOFF	*	CYNOGLOSSUM OFFICINALE	COMMON HOUND'S TONGUE	B-FORB	5	UPL	BORAGINACEAE
CYNVIR	6	Cynoglossum virginianum	WILD COMFREY	P-FORB	5	UPL	BORAGINACEAE
CYNDIG	9	Cynosciadium digitatum	FALSE COWBANE	A-FORB	-3	FACW	APIACEAE
CYPACU	2	Cyperus acuminatus	SHORT-POINTED FLAT SEDGE	A-SEDGE	-5	OBL	CYPERACEAE
CYPARI	2	Cyperus aristatus	AWNED FLAT SEDGE	A-SEDGE	-5	OBL	CYPERACEAE
CYPCOM	*	CYPERUS COMPRESSUS	FLAT SEDGE	A-SEDGE	-4	FACW+	CYPERACEAE
CYPDEN	0	Cyperus densicaespitosus	TUFTED FLAT SEDGE	A-SEDGE	5	UPL	CYPERACEAE
CYPDIA	7	Cyperus diandrus	UMBRELLA FLAT SEDGE	A-SEDGE	-4	FACW+	CYPERACEAE
CYPENG	7	Cyperus engelmannii	FALSE RUSTY NUT SEDGE	A-SEDGE	-5	OBL	CYPERACEAE
CYPERY	1	Cyperus erythrorhizos	RED-ROOTED NUT SEDGE	A-SEDGE	-5	OBL	CYPERACEAE
CYPESC	0	Cyperus esculentus	FIELD NUT SEDGE	P-SEDGE	-3	FACW	CYPERACEAE
CYPFER	1	Cyperus ferruginescens	RUSTY NUT SEDGE	A-SEDGE	-5	OBL	CYPERACEAE
CYPFIN	*	CYPERUS FILICINUS	SLENDER FLAT SEDGE	A-SEDGE	-5	OBL	CYPERACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
CYPFIM	5	Cyperus filiculmis	SLENDER SAND SEDGE	P-SEDGE	4	FACU-	CYPERACEAE
CYPFLA	8	Cyperus flavescens	YELLOW FLAT SEDGE	A-SEDGE	-5	OBL	CYPERACEAE
CYPGRA	8	Cyperus grayioides	GALINGALE	P-SEDGE	5	UPL	CYPERACEAE
CYPHOU	7	Cyperus houghtonii	SMOOTH SAND SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CYPIRI	*	CYPERUS IRIA	BLACK-SEEDED IRIA	A-SEDGE	-3	FACW	CYPERACEAE
CYPLAN	7	Cyperus lancastriensis	LANCASTER UMBRELLA SEDGE	P-SEDGE	1	FAC-	CYPERACEAE
CYPMES	4	Cyperus ×mesochorus	MIDLAND SAND SEDGE	P-SEDGE	5	UPL	CYPERACEAE
CYPOVU	2	Cyperus ovularis	HEDGEHOG CLUB RUSH	P-SEDGE	0	FAC	CYPERACEAE
CYPPSE	5	Cyperus pseudovegetus	FALSE GREEN FLAT SEDGE	P-SEDGE	-3	FACW	CYPERACEAE
CYPRET	*	CYPERUS RETRORSUS	FALSE HEDGEHOG CLUB RUSH	P-SEDGE	1	FAC-	CYPERACEAE
CYPRIV	4	Cyperus rivularis	BROOK FLAT SEDGE	A-SEDGE	-4	FACW+	CYPERACEAE
CYPSCH	5	Cyperus schweinitzii	ROUGH SAND SEDGE	P-SEDGE	2	FACU+	CYPERACEAE
CYPSTR	0	Cyperus strigosus	LONGL-SCALED NUT SEDGE	P-SEDGE	-3	FACW	CYPERACEAE
CYPACA	10	Cypripedium acaule	MOCCASIN FLOWER	P-FORB	-3	FACW	ORCHIDACEAE
CYPAND	10	Cypripedium ×andrewsii	HYBRID LADY'S SLIPPERS	P-FORB	-3	FACW	ORCHIDACEAE CYPCAN
	10	Cypripedium candidum	WHITE LADY'S SLIPPER	P-FORB	-5	OBL	ORCHIDACEAE
CYPFAV	10	Cypripedium ×favillianum	HYBRID LADY'S SLIPPERS	P-FORB	-3	FACW	ORCHIDACEAE CYPPAR
	10	Cypripedium parviflorum	SMALL YELLOW LADY'S SLIPPER	P-FORB	-1	FAC+	ORCHIDACEAE
CYPPUB	8	Cypripedium pubescens	LARGE YELLOW LADY'S SLIPPER	P-FORB	-1	FAC+	ORCHIDACEAE
CYPREG	10	Cypripedium reginae	SHOWY LADY'S SLIPPER	P-FORB	-4	FACW+	ORCHIDACEAE
CYSBUL	8	Cystopteris bulbifera	BERRY BLADDER FERN	FERN	-2	FACW-	ASPLENIACEAE
CYSILL	10	Cystopteris ×illinoensis	HYBRID FRAGILE FERN	FERN	3	FACU	ASPLENIACEAE
CYSLAU	10	Cystopteris ×laurentiana	HYBRID FRAGILE FERN	FERN	3	FACU	ASPLENIACEAE
CYSPRO	4	Cystopteris protrusa	HYBRID FRAGILE FERN	FERN	3	FACU	ASPLENIACEAE
CYSTES	9	Cystopteris ×tennesseensis	TENNESSEE FRAGILE FERN	FERN	3	FACU	ASPLENIACEAE
CYSTEU	10	Cystopteris ×tenuis	HYBRID FRAGILE FERN	FERN	3	FACU	ASPLENIACEAE
DACGLO	*	DACTYLIS GLOMERATA	ORCHARD GRASS	P-GRASS	3	FACU	POACEAE
DACAEG	*	DACTYLOCTENIUM AEGYPTIUM	CROWFOOT GRASS	A-GRASS	5	UPL	POACEAE
DALCAN	9	Dalea candida	WHITE PRAIRIE CLOVER	P-FORB	5	UPL	FABACEAE
DALFOL	10	Dalea foliosa	LEAFY PRAIRIE CLOVER	P-FORB	5	UPL	FABACEAE
DALLEP	*	DALEA LEPORINA	FOXTAIL DALEA	A-FORB	5	UPL	FABACEAE
DALPUR	8	Dalea purpurea	PURPLE PRAIRIE CLOVER	P-FORB	5	UPL	FABACEAE
DANSPI	3	Danthonia spicata	POVERTY OAT GRASS	P-GRASS	5	UPL	POACEAE
DASMAC	7	Dasistoma macrophylla	MULLEIN FOXGLOVE	P-FORB	4	FACU-	SCROPHULARIACEAE
DATINN	*	DATURA INNOXIA	ANGEL'S TRUMPET	P-FORB	4	FACU-	SOLANACEAE
DATSTS	*	DATURA STRAMONIUM	JIMSONWEED	A-FORB	4	FACU-	SOLANACEAE
DATSTT	*	DATURA STRAMONIUM v. TATULA	PURPLE JIMSONWEED	A-FORB	4	FACU-	SOLANACEAE
DAUCAR	*	DAUCUS CAROTA	QUEEN ANNE'S LACE	B-FORB	4	FACU-	APIACEAE
DAUPUS	*	DAUCUS PUSILLUS	SMALL WILD CARROT	B-FORB	4	FACU-	APIACEAE
DECVER	8	Decodon verticillatus	SWAMP LOOSESTRIFE	SHRUB	-5	OBL	LYTHRACEAE
DELCAC	10	Delphinium carolinianum v. crispum	WILD BLUE LARKSPUR	P-FORB	5	UPL	RANUNCULACEAE
DELCAP	10	Delphinium carolinianum v. penardii	WILD BLUE LARKSPUR	P-FORB	5	UPL	RANUNCULACEAE
DELTRI	6	Delphinium tricorne	DWARF LARKSPUR	P-FORB	5	UPL	RANUNCULACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
DENPUN	10	Dennstaedtia punctilobula	HAY-SCENTED FERN	FERN	5	UPL	DENNSTAEDTIACEAE
DENDIP	10	Dentaria diphylla	CRINKLEROOT	P-FORB	-1	FAC+	BRASSICACEAE
DENLAC	4	Dentaria laciniata	TOOTHWORT	P-FORB	4	FACU	BRASSICACEAE
DESCES	B	Deschampsia cespitosa v. glauca	TUFTED HAIR GRASS	P-GRASS	-4	FACW+	POACEAE
DESPIP	7	Descurainia pinnata	TANSY MUSTARD	A-FORB	5	UPL	BRASSICACEAE
DESPIB	*	DESCURAINIA PINNATA v. BRACHYCARPA	TANSY MUSTARD	A-FORB	5	UPL	BRASSICACEAE
DESSOP	*	DESCURAINIA SOPHIA	FLIXWEED	A-FORB	5	UPL	BRASSICACEAE
DESILS	4	Desmanthus illinoensis	ILLINOIS BUNDLE FLOWER	P-FORB	1	FAC-	MIMOSACEAE
DESCAD	5	Desmodium canadense	SHOWY TICK TREFOIL	P-FORB	1	FAC-	FABACEAE
DESCAS	4	Desmodium canescens	HOARY TICK TREFOIL	P-FORB	5	UPL	FABACEAE
DESCIL	7	Desmodium ciliare	HAIRY TICK TREFOIL	P-FORB	5	UPL	FABACEAE
DESCUC	6	Desmodium cuspidatum	BRACTED TICK TREFOIL	P-FORB	5	UPL	FABACEAE
DESCUL	6	Desmodium cuspidatum v. longifolium	HAIRY BRACTED TICK TREFOIL	P-FORB	5	UPL	FABACEAE
DESGLA	3	Desmodium glabellum	SMOOTH TICK TREFOIL	P-FORB	3	FACU	FABACEAE
DESGLU	3	Desmodium glutinosum	POINTED TICK TREFOIL	P-FORB	5	UPL	FABACEAE
DESILE	5	Desmodium illinoense	ILLINOIS TICK TREFOIL	P-FORB	5	UPL	FABACEAE
DESLAE	7	Desmodium laevigatum	GLAUCOUS TICK TREFOIL	P-FORB	3	FACU	FABACEAE
DESMAR	6	Desmodium marilandicum	SMALL-LEAVED TICK TREFOIL	P-FORB	5	UPL	FABACEAE
DESNUD	5	Desmodium nudiflorum	BARE-STEMMED TICK TREFOIL	P-FORB	5	UPL	FABACEAE
DESNUT	9	Desmodium nuttallii	NUTTALL'S TICK TREFOIL	P-FORB	5	UPL	FABACEAE
DESOBT	5	Desmodium obtusum	STIFF TICK TREFOIL	P-FORB	3	FACU	FABACEAE
DESPAN	2	Desmodium paniculatum	PANICLED TICK TREFOIL	P-FORB	3	FACU	FABACEAE
DESPAU	8	Desmodium pauciflorum	FEW-FLOWERED TICK TREFOIL	P-FORB	5	UPL	FABACEAE
DESROT	9	Desmodium rotundifolium	ROUND-LEAVED TICK TREFOIL	P-FORB	5	UPL	FABACEAE
DESSES	6	Desmodium sessilifolium	SESSILE-LEAVED TICKTREFOIL	P-FORB	5	UPL	FABACEAE
DEUSCA	*	DEUTZIA SCABRA	PRIDE-OF-ROCHESTER	SHRUB	5	UPL	PHILADELPHACEAE
DIAARM	*	DIANTHUS ARMERIA	DEPTFORD PINK	A-FORB	5	UPL	CARYOPHYLLACEAE
DIABAR	*	DIANTHUS BARBATUS	SWEET WILLIAM	P-FORB	5	UPL	CARYOPHYLLACEAE
DIADEL	*	DIANTHUS DELTOIDES	MAIDEN PINK	P-FORB	5	UPL	CARYOPHYLLACEAE
DIAAME	7	Diarrhena americana	BEAK GRASS	P-GRASS	-3	FACW	POACEAE
DICCAN	7	Dicentra canadensis	SQUIRREL CORN	P-FORB	5	UPL	PAPAVERACEAE
DICCUC	5	Dicentra cucullaria	DUTCHMAN'S BREECHES	P-FORB	5	UPL	PAPAVERACEAE
DICEXI	*	DICENTRA EXIMIA	WILD BLEEDING HEART	P-FORB	5	UPL	PAPAVERACEAE
DICBRA	10	Dicliptera brachiata	BRACTED WATER WILLOW	A-FORB	-3	FACW	ACANTHACEAE
DIDDIA	6	Didiplis diandra	WATER PURSLANE	P-FORB	-5	OBL	LYTHRACEAE
DIELON	9	Diervilla lonicera	DWARF HONEYSUCKLE	SHRUB	5	UPL	CAPRIFOLIACEAE
DIGCIL	*	DIGITARIA CILIARIS	CILIATE CRAB GRASS	A-GRASS	3	FACU	POACEAE
DIGFIL	4	Digitaria filiformis	SLENDER CRAB GRASS	A-GRASS	5	UPL	POACEAE
DIGISC	*	DIGITARIA ISCHAEMUM	SMOOTH CRAB GRASS	A-GRASS	3	FACU	POACEAE
DIGSAN	*	DIGITARIA SANGUINALIS	HAIRY CRAB GRASS	A-GRASS	3	FACU	POACEAE
DIGVIL	4	Digitaria villosa	HAIRY FINGER GRASS	A-GRASS	5	UPL	POACEAE
DIOTER	2	Diodia teres	BUTTONWEED	A-FORB	3	FACU	RUBIACEAE
DIOVIG	4	Diodia virginiana	LARGE BUTTONWEED	P-FORB	-3	FACW	RUBIACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
DIOBAT	*	DIOSCOREA BATATAS	CHINESE YAM	H-VINE	4	FACU-	DIOSCOREACEAE
DIOQUA	5	Dioscorea quaternata	WILD YAM	H-VINE	3	FACU	DIOSCOREACEAE
DIOVIL	4	Dioscorea villosa	WILD YAM	H-VINE	1	FAC-	DIOSCOREACEAE
DIOVIN	2	Diospyros virginiana	PERSIMMON	TREE	0	FAC	EBENACEAE
DIPMUR	*	DIPLOTAXIS MURALIS	WALL ROCKET	A-FORB	5	UPL	BRASSICACEAE
DIPTEN	*	DIPLOTAXIS TENUIFOLIA	SAND ROCKET	SHRUB	5	UPL	BRASSICACEAE
DIPLAC	*	DIPSACUS LACINIATUS	CUT-LEAVED TEASEL	B-FORB	5	UPL	DIPSACACEAE
DIPSYL	*	DIPSACUS SYLVESTRIS	COMMON TEASEL	B-FORB	5	UPL	DIPSACACEAE
DIRPAL	8	Dirca palustris	LEATHERWOOD	SHRUB	0	FAC	THYMELAEACEAE
DISSTR	*	DISTICHLIS STRICTA	INLAND SALT GRASS	P-GRASS	5	UPL	POACEAE
DODAME	9	Dodecatheon amethystinum	JEWELED SHOOTING STAR	P-FORB	5	UPL	PRIMULACEAE
DODFRE	10	Dodecatheon frenchii	FRENCH'S SHOOTING STAR	P-FORB	5	UPL	PRIMULACEAE
DODMEA	6	Dodecatheon meadia	SHOOTING STAR	P-FORB	3	FACU	PRIMULACEAE
DRABRA	2	Draba brachycarpa	SHORT-FRUITED WHITLOW GRASS	A-FORB	5	UPL	BRASSICACEAE
DRACUN	10	Draba cuneifolia	WEDGE-LEAVED WHITLOW GRASS	A-FORB	5	UPL	BRASSICACEAE
DRANEM	*	DRABA NEMOROSA	WHITLOW GRASS	A-FORB	5	UPL	BRASSICACEAE
DRAREP	3	Draba reptans	COMMON WHITLOW GRASS	A-FORB	5	UPL	BRASSICACEAE
DRAPAR	*	DRACOCEPHALUM PARVIFLORUM	AMERICAN DRAGONHEAD	B-FORB	3	FACU	LAMIACEAE
DRAAMP	*	DRACOPIS AMPLEXICAULIS	ANNUAL BLACK-EYED SUSAN	A-FORB	4	FACU-	ASTERACEAE
DROINT	10	Drosera intermedia	NARROW-LEAVED SUNDEW	P-FORB	-5	OBL	DROSERACEAE
DROROT	10	Drosera rotundifolia	ROUND-LEAVED SUNDEW	P-FORB	-5	OBL	DROSERACEAE
DRYBOO	10	Dryopteris ×boottii	BOOTT'S WOOD FERN	FERN	-3	FACW	ASPLENIACEAE
DRYCAR	6	Dryopteris carthusiana	SPINULOSE WOOD FERN	FERN	5	UPL	ASPLENIACEAE
DRYCEL	10	Dryopteris celsa	LOG FERN	FERN	-5	OBL	ASPLENIACEAE
DRYCLI	10	Dryopteris ×clintoniana	CLINTON'S WOOD FERN	FERN	-4	FACW+	ASPLENIACEAE DRYCRI
	8	Dryopteris cristata	CRESTED WOOD FERN	FERN	-5	OBL	ASPLENIACEAE
DRYFIL	9	Dryopteris filix-mas	MALE FERN	FERN	5	UPL	ASPLENIACEAE
DRYGOL	10	Dryopteris goldiana	GOLDIE FERN	FERN	0	FAC	ASPLENIACEAE
DRYINT	7	Dryopteris intermedia	COMMON WOOD FERN	FERN	0	FAC	ASPLENIACEAE
DRYMAR	6	Dryopteris marginalis	MARGINAL SHIELD FERN	FERN	3	FACU	ASPLENIACEAE
DRYNEO	10	Dryopteris ×neo-wherryi	HYBRID WOOD FERN	FERN	5	UPL	ASPLENIACEAE
DRYTRI	10	Dryopteris ×triploidea	WOOD FERN	FERN	0	FAC	ASPLENIACEAE
DUCIND	*	DUCHESNEA INDICA	INDIAN STRAWBERRY	P-FORB	4	FACU-	ROSACEAE
DULARU	9	Dulichium arundinaceum	THREE-WAY SEDGE	P-SEDGE	-5	OBL	CYPERACEAE
DYSPAP	*	DYSSODIA PAPPOSA	FETID MARIGOLD	A-FORB	5	UPL	ASTERACEAE
ECHPAL	7	Echinacea pallida	PALE PURPLE CONEFLOWER	P-FORB	5	UPL	ASTERACEAE
ECHPUR	6	Echinacea purpurea	BROAD-LEAVED PURPLE CONEFLOWER	P-FORB	5	UPL	ASTERACEAE
ECHCOL	*	ECHINOCHLOA COLONUM	JUNGLE RICE	A-GRASS	-3	FACW	POACEAE
ECHCRU	*	ECHINOCHLOA CRUSGALLI	BARNYARD GRASS	A-GRASS	-3	FACW	POACEAE
ECHMUR	0	Echinochloa muricata	SPINY BARNYARD GRASS	A-GRASS	-5	OBL	POACEAE
ECHWAL	5	Echinochloa walteri	SALT-MARSH COCKSPUR GRASS	A-GRASS	-5	OBL	POACEAE
ECHLOB	4	Echinocystis lobata	WILD CUCUMBER	H-VINE	-2	FACW-	CUCURBITACEAE
ECHBER	6	Echinodorus berteroi v. lanceolatus	LANCE-LEAVED BURHEAD	P-FORB	-5	OBL	ALISMATACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
ECHCOR	6	Echinodorus cordifolius	CREEPING BURHEAD	P-FORB	-5	OBL	ALISMATACEAE
ECHTEN	10	Echinodorus tenellus v. parvulus	SMALL BURHEAD	P-FORB	-5	OBL	ALISMATACEAE
ECHSPH	*	ECHINOPS SPHAEROCEPHALUS	GLOBE THISTLE	P-FORB	5	UPL	ASTERACEAE
ECHVUL	*	ECHIUM VULGARE	VIPER'S BUGLOSS	B-FORB	5	UPL	BORAGINACEAE
ECLPRO	2	Eclipta prostrata	YERBA DE TAJO	A-FORB	-3	FACW	ASTERACEAE
EGEDEN	*	EGERIA DENSA	GIANT WATERWEED	P-FORB	-5	OBL	HYDROCHARITACEAE
ELAANG	*	ELAEAGNUS ANGUSTIFOLIA	RUSSIAN OLIVE	SHRUB	4	FACU-	ELAEAGNACEAE
ELAMUL	*	ELAEAGNUS MULTIFLORA	OLEASTER	SHRUB	5	UPL	ELAEAGNACEAE
ELAUMB	*	ELAEAGNUS UMBELLATA	AUTUMN OLIVE	SHRUB	5	UPL	ELAEAGNACEAE
ELABRA	10	Elatine brachysperma	WATERWORT	A-FORB	-3	FACW	ELATINACEAE
ELEACI	3	Eleocharis acicularis	NEEDLE SPIKE RUSH	P-SEDGE	-5	OBL	CYPERACEAE
ELEELE	8	Eleocharis elliptica	GOLDEN-SEEDED SPIKE RUSH	P-SEDGE	-5	OBL	CYPERACEAE
ELEELC	7	Eleocharis elliptica v. compressa	FLAT-STEMMED SPIKE RUSH	P-SEDGE	-5	OBL	CYPERACEAE
ELEEQU	10	Eleocharis equisetoides	HORSETAIL SPIKE RUSH	P-SEDGE	-5	OBL	CYPERACEAE
ELEERY	3	Eleocharis erythropoda	RED-ROOTED SPIKE RUSH	P-SEDGE	-5	OBL	CYPERACEAE
ELEGEN	10	Eleocharis geniculata	KNEE SPIKE RUSH	A-SEDGE	-3	FACW	CYPERACEAE
ELEINT	7	Eleocharis intermedia	MATTED SPIKE RUSH	A-SEDGE	-3	FACW	CYPERACEAE
ELEOBT	2	Eleocharis obtusa	BLUNT SPIKE RUSH	A-SEDGE	-5	OBL	CYPERACEAE
ELEOLI	10	Eleocharis olivacea	WRINKLE-SHEATHED SPIKE RUSH	P-SEDGE	-5	OBL	CYPERACEAE
ELEPAL	8	Eleocharis palustris	GREAT SPIKE RUSH	P-SEDGE	-5	OBL	CYPERACEAE
ELEPAR	*	ELEOCHARIS PARVULA	DWARF SPIKE RUSH	P-SEDGE	-5	OBL	CYPERACEAE
ELEPAU	10	Eleocharis pauciflora	MATTED SPIKE RUSH	P-SEDGE	-5	OBL	CYPERACEAE
ELEQUA	6	Eleocharis quadrangulata	ANGLED SPIKE RUSH	P-SEDGE	-5	OBL	CYPERACEAE
ELEROS	10	Eleocharis rostellata	WICKET SPIKE RUSH	P-SEDGE	-5	OBL	CYPERACEAE
ELESMA	5	Eleocharis smallii	MARSH SPIKE RUSH	P-SEDGE	-5	OBL	CYPERACEAE
ELEVER	7	Eleocharis verrucosa	SLENDER SPIKE RUSH	P-SEDGE	-5	OBL	CYPERACEAE
ELEWOL	9	Eleocharis wolfii	WOLF'S SPIKE RUSH	P-SEDGE	-5	OBL	CYPERACEAE
ELECAR	3	Elephantopus carolinianus	ELEPHANT'S FOOT	P-FORB	1	FAC-	ASTERACEAE
ELEIND	*	ELEUSINE INDICA	CROWFOOT GRASS	A-GRASS	3	FACU	POACEAE
ELLNYC	1	Ellisia nyctelea	AUNT LUCY	A-FORB	-1	FAC+	HYDROPHYLLACEAE
ELOCAN	5	Elodea canadensis	COMMON WATERWEED	P-FORB	-5	OBL	HYDROCHARITACEAE
ELONUT	6	Elodea nuttallii	SLENDER WATERWEED	P-FORB	-5	OBL	HYDROCHARITACEAE
ELYARE	*	ELYMUS ARENARIUS	LYME GRASS	P-GRASS	3	FACU	POACEAE
ELYCAN	4	Elymus canadensis	CANADA WILD RYE	P-GRASS	1	FAC-	POACEAE
ELYHYS	5	Elymus hystrix	BOTTLEBRUSH GRASS	P-GRASS	5	UPL	POACEAE
ELYRIP	6	Elymus riparius	RIVERBANK WILD RYE	P-GRASS	-3	FACW	POACEAE
ELYVIL	4	Elymus villosus	SILKY WILD RYE	P-GRASS	3	FACU	POACEAE
ELYVIR	4	Elymus virginicus	VIRGINIA WILD RYE	P-GRASS	-2	FACW-	POACEAE
EPIVIR	9	Epifagus virginiana	BEECH DROPS	P-FORB	5	UPL	OROBANCHACEAE
EPIREP	10	Epigaea repens	TRAILING ARBUTUS	P-FORB	5	UPL	ERICACEAE
EPIANG	3	Epilobium angustifolium	FIREWEED	P-FORB	0	FAC	ONAGRACEAE
EPICIL	6	Epilobium ciliatum	NORTHERN WILLOW HERB	P-FORB	3	FACU	ONAGRACEAE
EPICOL	3	Epilobium coloratum	CINNAMON WILLOW HERB	P-FORB	-5	OBL	ONAGRACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
EPIHIR	*	EPILOBIUM HIRSUTUM	HAIRY WILLOW HERB	P-FORB	-4	FACW+	ONAGRACEAE
EPILEP	9	Epilobium leptophyllum	FEN WILLOW HERB	P-FORB	-5	OBL	ONAGRACEAE
EPISTR	10	Epilobium strictum	DOWNY WILLOW HERB	P-FORB	-5	OBL	ONAGRACEAE
EPIHEL	*	EPIPACTIS HELLEBORINE	HELLEBORINE ORCHID	P-FORB	5	UPL	ORCHIDACEAE
EQUARV	0	Equisetum arvense	COMMON HORSETAIL	FERN	0	FAC	EQUISETACEAE
EQUFER	2	Equisetum ×ferrissii	JOLIET HORSETAIL	FERN	-3	FACW	EQUISETACEAE EQUFLU
	7	Equisetum fluviatile	PIPES	FERN	-5	OBL	EQUISETACEAE
EQUHYE	2	Equisetum hyemale affine	TALL SCOURING RUSH	FERN	-2	FACW-	EQUISETACEAE
EQULAE	4	Equisetum laevigatum	SMOOTH SCOURING RUSH	FERN	-3	FACW	EQUISETACEAE
EQULIT	10	Equisetum ×litorale	SHORELINE HORSETAIL	FERN	-5	OBL	EQUISETACEAE
EQUNEL	10	Equisetum ×nelsonii	NELSON'S HORSETAIL	FERN	-1	FAC+	EQUISETACEAE
EQUPAL	10	Equisetum palustre	MARSH HORSETAIL	FERN	-3	FACW	EQUISETACEAE
EQUPRA	9	Equisetum pratense	MEADOW HORSETAIL	FERN	-3	FACW	EQUISETACEAE
EQUSCI	10	Equisetum scirpoides	DWARF SCOURING RUSH	FERN	-1	FAC+	EQUISETACEAE
EQUSYL	10	Equisetum sylvaticum	WOOD HORSETAIL	FERN	-3	FACW	EQUISETACEAE
EQUTRA	10	Equisetum ×trachyodon	JESUP'S HORSETAIL	FERN	-4	FACW+	EQUISETACEAE
EQUVAR	8	Equisetum variegatum	SMALL SCOURING RUSH	FERN	-3	FACW	EQUISETACEAE
ERACAP	5	Eragrostis capillaris	LACE GRASS	A-GRASS	-3	FACW	POACEAE
ERACIL	*	ERAGROSTIS CILIANENSIS	STINK GRASS	A-GRASS	3	FACU	POACEAE
ERACUR	*	ERAGROSTIS CURVULA	WEEPING LOVE GRASS	P-GRASS	0	FAC	POACEAE
ERADIF	*	ERAGROSTIS DIFFUSA	WESTERN LOVE GRASS	A-GRASS	5	UPL	POACEAE
ERAFRA	2	Eragrostis frankii	SANDBAR LOVE GRASS	A-GRASS	-3	FACW	POACEAE
ERAHIR	5	Eragrostis hirsuta	HAIRY LOVE GRASS	P-GRASS	3	FACU	POACEAE
ERAHYP	5	Eragrostis hypnoides	CREEPING LOVE GRASS	A-GRASS	-5	OBL	POACEAE
ERAMIN	*	ERAGROSTIS MINOR	LESSER LOVE GRASS	A-GRASS	5	UPL	POACEAE
ERANEO	*	ERAGROSTIS NEOMEXICANA	NEW MEXICAN LOVE GRASS	A-GRASS	5	UPL	POACEAE
ERAPEC	0	Eragrostis pectinacea	SMALL LOVE GRASS	A-GRASS	0	FAC	POACEAE
ERAPIL	*	ERAGROSTIS PILOSA	INDIA LOVE GRASS	A-GRASS	3	FACU	POACEAE
ERASPE	3	Eragrostis spectabilis	PURPLE LOVE GRASS	P-GRASS	5	UPL	POACEAE
ERATRI	5	Eragrostis trichodes	ICE CREAM GRASS	P-GRASS	5	UPL	POACEAE
ERAHYE	*	ERANTHIS HYEMALIS	WINTER ACONITE	P-FORB	5	UPL	RANUNCULACEAE
EREHIE	2	Erechtites hieracifolia	FIREWEED	A-FORB	3	FACU	ASTERACEAE
ERIALO	4	Erianthus alopecuroides	SILVER PLUME GRASS	P-GRASS	4	FACU-	POACEAE
ERIBRE	10	Erianthus brevibarbis	BROWN PLUME GRASS	P-GRASS	-5	OBL	POACEAE
ERIRAV	*	ERIANTHUS RAVENNAE	PLUME GRASS	P-GRASS	-3	FACW	POACEAE
ERIBUL	7	Erigenia bulbosa	HARBINGER OF SPRING	P-FORB	5	UPL	APIACEAE
ERIANN	1	Erigeron annuus	ANNUAL FLEABANE	B-FORB	1	FAC-	ASTERACEAE
ERIPHI	3	Erigeron philadelphicus	MARSH FLEABANE	P-FORB	-3	FACW	ASTERACEAE
ERIPUL	5	Erigeron pulchellus	ROBIN'S PLANTAIN	P-FORB	3	FACU	ASTERACEAE
ERISTR	2	Erigeron strigosus	DAISY FLEABANE	P-FORB	1	FAC-	ASTERACEAE
ERICON	*	ERIOCHLOA CONTRACTA	PRAIRIE CUP GRASS	A-GRASS	0	FAC	POACEAE
ERILEM	*	ERIOCHLOA LEMMONII v. GRACILIS	SLENDER CUP GRASS	A-GRASS	-3	FACW	POACEAE
ERIVIL	*	ERIOCHLOA VILLOSA	CHINESE CUP GRASS	A-GRASS	0	FAC	POACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
ERIVEV	*	ERIOPHILA VERNA	MOUSE-EARED WHITLOW GRASS	A-GRASS	5	UPL	POACEAE
ERIVEP	*	ERIOPHILA VERNA v. PRAECOX	MOUSE-EARED WHITLOW GRASS	A-GRASS	5	UPL	POACEAE
ERIANG	10	Eriophorum angustifolium	NARROW-LEAVED COTTON GRASS	P-SEDGE	-5	OBL	CYPERACEAE
ERIGRA	10	Eriophorum gracile	SLENDER COTTON GRASS	P-SEDGE	-5	OBL	CYPERACEAE
ERITEN	10	Eriophorum tenellum	WEAK COTTON GRASS	P-SEDGE	-5	OBL	CYPERACEAE
ERIVIG	10	Eriophorum virginicum	RUSTY COTTON GRASS	P-SEDGE	-5	OBL	CYPERACEAE
ERIVID	10	Eriophorum viridi-carinatum	TALL COTTON GRASS	P-SEDGE	-5	OBL	CYPERACEAE
EROCIC	*	ERODIUM CICUTARIUM	STORKSBILL	B-FORB	5	UPL	GERANIACEAE
ERUVES	*	ERUCA VESICARIA	GARDEN ROCKET	A-FORB	5	UPL	BRASSICACEAE
ERUGAL	*	ERUCASTRUM GALLICUM	DOG MUSTARD	A-FORB	5	UPL	BRASSICACEAE
ERYPRO	5	Eryngium prostratum	ERYNGO	P-FORB	-5	OBL	APIACEAE
ERYYUC	7	Eryngium yuccifolium	RATTLESNAKE MASTER	P-FORB	-1	FAC+	APIACEAE
ERYCAP	7	Erysimum capitatum	WESTERN WALLFLOWER	B-FORB	5	UPL	BRASSICACEAE
ERYCHE	*	ERYSIMUM CHEIRANTHOIDES	WORMSEED MUSTARD	A-FORB	3	FACU	BRASSICACEAE
ERYHIE	*	ERYSIMUM HIERACIFOLIUM	HAWKWEED MUSTARD	P-FORB	5	UPL	BRASSICACEAE
ERYINC	*	ERYSIMUM INCONSPICUUM	SMALL WORMSEED MUSTARD	P-FORB	5	UPL	BRASSICACEAE
ERYREP	*	ERYSIMUM REPANDUM	TREACLE MUSTARD	A-FORB	5	UPL	BRASSICACEAE
ERYALB	4	Erythronium albidum	WHITE ADDER'S TONGUE	P-FORB	5	UPL	LILIACEAE
ERYAME	7	Erythronium americanum	YELLOW ADDER'S TONGUE	P-FORB	5	UPL	LILIACEAE
ERYMES	9	Erythronium mesochoreum	WHITE DOG-TOOTH VIOLET	P-FORB	5	UPL	LILIACEAE
ESCCAL	*	ESCHSCHOLTZIA CALIFORNICA	CALIFORNIA POPPY	A-FORB	5	UPL	PAPAVERACEAE
EUOALA	*	EUONYMUS ALATUS	WINGED EUONYMUS	SHRUB	5	UPL	CELASTRACEAE
EUOAME	10	Euonymus americanus	STRAWBERRY BUSH	SHRUB	1	FAC-	CELASTRACEAE
EUOATR	5	Euonymus atropurpureus	WAHOO	SHRUB	1	FAC-	CELASTRACEAE
EUOBUN	*	EUONYMUS BUNGEANUS	CHINESE SPINDLE TREE	SHRUB	5	UPL	CELASTRACEAE
EUOEUR	*	EUONYMUS EUROPAEUS	EUROPEAN SPINDLE-TREE	SHRUB	5	UPL	CELASTRACEAE
EUOFOR	*	EUONYMUS FORTUNEI	WINTERCREEPER	SHRUB	5	UPL	CELASTRACEAE
EUOHAM	*	EUONYMUS HAMILTONIANUS	JAPANESE SPINDLE TREE	SHRUB	5	UPL	CELASTRACEAE
EUOKIA	*	EUONYMUS KIAUTSCHOVICUS	CLIMBING EUONYMUS	SHRUB	5	UPL	CELASTRACEAE
EUOOBO	7	Euonymus obovatus	RUNNING STRAWBERRY BUSH	SHRUB	5	UPL	CELASTRACEAE
EUPALT	2	Eupatorium altissimum	TALL BONESET	P-FORB	3	FACU	ASTERACEAE
EUPCOE	3	Eupatorium coelestinum	MISTFLOWER	P-FORB	-1	FAC+	ASTERACEAE
EUPFIS	7	Eupatorium fistulosum	HOLLOW JOE PYE WEED	P-FORB	-5	OBL	ASTERACEAE
EUPINC	9	Eupatorium incarnatum	THOROUGHWORT	P-FORB	0	FAC	ASTERACEAE
EUPMAC	5	Eupatorium maculatum	SPOTTED JOE PYE WEED	P-FORB	-5	OBL	ASTERACEAE
EUPPER	4	Eupatorium perfoliatum	COMMON BONESET	P-FORB	-4	FACW+	ASTERACEAE
EUPPUR	5	Eupatorium purpureum	PURPLE JOE PYE WEED	P-FORB	0	FAC	ASTERACEAE
EUPRUG	2	Eupatorium rugosum	WHITE SNAKEROOT	P-FORB	3	FACU	ASTERACEAE
EUPSER	1	Eupatorium serotinum	LATE BONESET	P-FORB	-1	FAC+	ASTERACEAE
EUPSES	8	Eupatorium sessilifolium	UPLAND BONESET	P-FORB	5	UPL	ASTERACEAE
EUPCOM	6	Euphorbia commutata	TINTED SPURGE	P-FORB	5	UPL	EUPHORBIACEAE
EUPCOR	3	Euphorbia corollata	FLOWERING SPURGE	P-FORB	5	UPL	EUPHORBIACEAE
EUPCYP	*	EUPHORBIA CYPARISSIAS	CYPRESS SPURGE	P-FORB	5	UPL	EUPHORBIACEAE

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EUPESU	*	EUPHORBIA ESULA	LEAFY SPURGE	P-FORB	5	UPL	EUPHORBIACEAE
EUPHEL	*	EUPHORBIA HELIOSCOPIA	SUN SPURGE	A-FORB	5	UPL	EUPHORBIACEAE
EUPHEX	*	EUPHORBIA HEXAGONA	ANGLED SPURGE	A-FORB	5	UPL	EUPHORBIACEAE
EUPLAT	*	EUPHORBIA LATHYRIS	CAPER SPURGE	A-FORB	5	UPL	EUPHORBIACEAE
EUPMAR	*	EUPHORBIA MARGINATA	SNOW-ON-THE-MOUNTAIN	A-FORB	4	FACU-	EUPHORBIACEAE
EUPOBT	5	Euphorbia obtusata	BLUNT-LEAVED SPURGE	A-FORB	3	FACU	EUPHORBIACEAE
EUPPEP	*	EUPHORBIA PEPLUS	PETTY SPURGE	A-FORB	5	UPL	EUPHORBIACEAE
EUPSPA	10	Euphorbia spathulata	SPURGE	A-FORB	5	UPL	EUPHORBIACEAE
EUTGRA	3	Euthamia graminifolia	GRASS-LEAVED GOLDENROD	P-FORB	-2	FACW-	ASTERACEAE
EUTGYM	5	Euthamia gymnospermoides	VISCID GRASS-LEAVED GOLDENROD	P-FORB	-1	FAC+	ASTERACEAE
EVOPIL	*	EVOLVULUS PILOSUS	OZARK MORNING-GLORY	P-FORB	5	UPL	CONVOLVULACEAE
FAGESC	*	FAGOPYRUM ESCULENTUM	BUCKWHEAT	A-FORB	5	UPL	POLYGONACEAE
FAGGRA	8	Fagus grandifolia	AMERICAN BEECH	TREE	3	FACU	FAGACEAE
FALVUL	*	FALCARIA VULGARIS	SICKLEWEED	P-FORB	5	UPL	APIACEAE
FESARU	*	FESTUCA ARUNDINACEA	TALL FESCUE	P-GRASS	2	FACU+	POACEAE
FESDUR	*	FESTUCA DURIUSCULA	SHEEP FESCUE	P-GRASS	5	UPL	POACEAE
FESOBT	5	Festuca obtusa	NODDING FESCUE	P-GRASS	2	FACU+	POACEAE
FESPAR	6	Festuca paradoxa	GREATER NODDING FESCUE	P-GRASS	0	FAC	POACEAE
FESPRA	*	FESTUCA PRATENSIS	MEADOW FESCUE	P-GRASS	4	FACU-	POACEAE
FESRUB	*	FESTUCA RUBRA	RED FESCUE	P-GRASS	1	FAC-	POACEAE
FESTEN	*	FESTUCA TENUIFOLIA	SLENDER FESCUE	P-GRASS	5	UPL	POACEAE
FILRUB	10	Filipendula rubra	QUEEN OF THE PRAIRIE	P-FORB	-4	FACW+	ROSACEAE
FILULM	*	FILIPENDULA ULMARIA	QUEEN OF THE MEADOW	P-FORB	5	UPL	ROSACEAE
FIMANN	6	Fimbristylis annua	BALDWIN'S FIMBRISTYLIS	A-SEDGE	4	FACU-	CYPERACEAE
FIMAUT	6	Fimbristylis autumnalis	AUTUMN SEDGE	A-SEDGE	-4	FACW+	CYPERACEAE
FIMPUB	9	Fimbristylis puberula v. drummondii	CHESTNUT SEDGE	P-SEDGE	5	UPL	CYPERACEAE
FIMVAH	9	Fimbristylis vahlii	VAHL'S FIMBRISTYLIS	A-SEDGE	-5	OBL	CYPERACEAE
FLOPRO	7	Floerkea proserpinacoides	FALSE MERMAID	A-FORB	-1	FAC+	LIMNANTHACEAE
FOEVUL	*	FOENICULUM VULGARE	FENNEL	P-FORB	5	UPL	APIACEAE
FORACU	6	Forestiera acuminata	SWAMP PRIVET	TREE	-5	OBL	OLEACEAE
FRAAMR	8	Fragaria americana	HILLSIDE STRAWBERRY	P-FORB	5	UPL	ROSACEAE
FRAANA	*	FRAGARIA ×ANANASSA	CULTIVATED STRAWBERRY	P-FORB	5	UPL	ROSACEAE
FRAVES	*	FRAGARIA VESCA	STRAWBERRY	P-FORB	5	UPL	ROSACEAE
FRAVIR	2	Fragaria virginiana	WILD STRAWBERRY	P-FORB	1	FAC-	ROSACEAE
FRACAR	8	Frasera caroliniensis	AMERICAN COLUMBO	B-FORB	5	UPL	GENTIANACEAE
FRAAMC	4	Fraxinus americana	WHITE ASH	TREE	3	FACU	OLEACEAE
FRANIG	8	Fraxinus nigra	BLACK ASH	TREE	-4	FACW+	OLEACEAE
FRAPEP	5	Fraxinus pennsylvanica	RED ASH	TREE	-3	FACW	OLEACEAE
FRAPES	2	Fraxinus pennsylvanica v. subintegerrima	GREEN ASH	TREE	-3	FACW	OLEACEAE
FRAPRO	8	Fraxinus profunda	PUMPKIN ASH	TREE	-5	OBL	OLEACEAE
FRAQUA	6	Fraxinus quadrangulata	BLUE ASH	TREE	5	UPL	OLEACEAE
FROFLO	5	Froelichia floridana v. campestris	COTTONWEED	A-FORB	5	UPL	AMARANTHACEAE
FROGRA	*	FROELICHIA GRACILIS	COTTONWEED	A-FORB	5	UPL	AMARANTHACEAE

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FUISCI	*	FUIRENA SCIRPOIDEA	UMBRELLA GRASS	P-SEDGE	-5	OBL	CYPERACEAE
FUMOFF	*	FUMARIA OFFICINALIS	FUMITORY	A-FORB	5	UPL	PAPAVERACEAE
GAIAES	10	Gaillardia aestivalis	PERENNIAL GAILLARDIA	B-FORB	5	UPL	ASTERACEAE
GAIARI	*	GAILLARDIA ARISTATA	COMMON PERENNIAL GAILLARDIA	P-FORB	5	UPL	ASTERACEAE
GAIPUL	*	GAILLARDIA PULCHELLA	FIREWHEELS	A-FORB	5	UPL	ASTERACEAE
GALMOH	7	Galactia mohlenbrockii	BOYKIN'S DIOCLEA	H-VINE	5	UPL	FABACEAE
GALREG	7	Galactia regularis	MILK PEA	H-VINE	5	UPL	FABACEAE
GALSPE	7	Galearis spectabilis	SHOWY ORCHIS	P-FORB	5	UPL	ORCHIDACEAE
GALLAD	*	GALEOPSIS LADANUM	RED HEMP NETTLE	A-FORB	5	UPL	LAMIACEAE
GALTET	*	GALEOPSIS TETRAHIT	COMMON HEMP NETTLE	A-FORB	5	UPL	LAMIACEAE
GALPAR	*	GALINSOGA PARVIFLORA	SMOOTH PERUVIAN DAISY	A-FORB	5	UPL	ASTERACEAE
GALQUA	*	GALINSOGA QUADRIRADIATA	PERUVIAN DAISY	A-FORB	5	UPL	ASTERACEAE
GALAPA	0	Galium aparine	ANNUAL BEDSTRAW	A-FORB	3	FACU	RUBIACEAE
GALASP	7	Galium asprellum	ROUGH BEDSTRAW	P-FORB	-5	OBL	RUBIACEAE
GALBOR	7	Galium boreale	NORTHERN BEDSTRAW	P-FORB	0	FAC	RUBIACEAE
GALCIR	4	Galium circaezans	WILD LICORICE	P-FORB	4	FACU-	RUBIACEAE
GALCON	4	Galium concinnum	SHINING BEDSTRAW	P-FORB	3	FACU	RUBIACEAE
GALLAB	10	Galium labradoricum	BOG BEDSTRAW	P-FORB	-5	OBL	RUBIACEAE
GALLAN	10	Galium lanceolatum	LANCE-LEAVED WILD LICORICE	P-FORB	5	UPL	RUBIACEAE
GALMOL	*	GALIUM MOLLUGO	WHITE BEDSTRAW	P-FORB	5	UPL	RUBIACEAE
GALOBT	5	Galium obtusum	WILD MADDER	P-FORB	-4	FACW+	RUBIACEAE
GALPED	*	GALIUM PEDEMONTANUM	FOOTHILL BEDSTRAW	A-FORB	5	UPL	RUBIACEAE
GALPIL	7	Galium pilosum	HAIRY BEDSTRAW	P-FORB	5	UPL	RUBIACEAE
GALTIN	6	Galium tinctorium	STIFF BEDSTRAW	P-FORB	-5	OBL	RUBIACEAE
GALTRU	10	Galium trifidum	SMALL BEDSTRAW	P-FORB	-4	FACW+	RUBIACEAE
GALTRO	4	Galium triflorum	SWEET-SCENTED BEDSTRAW	P-FORB	2	FACU+	RUBIACEAE
GALVER	*	GALIUM VERUM	YELLOW BEDSTRAW	P-FORB	5	UPL	RUBIACEAE
GALVIR	10	Galium virgatum	DWARF BEDSTRAW	A-FORB	5	UPL	RUBIACEAE
GAUPRO	9	Gaultheria procumbens	CHECKERBERRY	SHRUB	3	FACU	ERICACEAE
GAUBIE	2	Gaura biennis	BIENNIAL GAURA	B-FORB	4	FACU-	ONAGRACEAE
GAUFIL	5	Gaura filipes	SLENDER GAURA	P-FORB	5	UPL	ONAGRACEAE
GAULON	5	Gaura longiflora	COMMON GAURA	B-FORB	5	UPL	ONAGRACEAE
GAUPAR	*	GAURA PARVIFLORA	SMALL-FLOWERED GAURA	B-FORB	5	UPL	ONAGRACEAE
GAYBAC	B	Gaylussacia baccata	BLACK HUCKLEBERRY	SHRUB	3	FACU	ERICACEAE
GENALB	9	Gentiana alba	PALE GENTIAN	P-FORB	3	FACU	GENTIANACEAE
GENAND	7	Gentiana andrewsii	CLOSED GENTIAN	P-FORB	-3	FACW	GENTIANACEAE
GENCLA	10	Gentiana clausa	CLOSED GENTIAN	P-FORB	-4	FACW+	GENTIANACEAE
GENPUB	9	Gentiana puberulenta	DOWNY GENTIAN	P-FORB	3	FACU	GENTIANACEAE
GENSAP	9	Gentiana saponaria	SOAPWORT GENTIAN	P-FORB	-2	FACW-	GENTIANACEAE
GENSEP	*	GENTIANA SEPTEMFIDA	GARDEN GENTIAN	P-FORB	5	UPL	GENTIANACEAE
GENQUI	7	Gentianella quinquefolia v. occidentalis	STIFF GENTIAN	A-FORB	0	FAC	GENTIANACEAE
GENCRI	10	Gentianopsis crinita	FRINGED GENTIAN	A-FORB	-4	FACW+	GENTIANACEAE
GENPRO	10	Gentianopsis procera	SMALL FRINGED GENTIAN	A-FORB	-5	OBL	GENTIANACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
GERBIC	9	Geranium bicknellii	NORTHERN CRANESBILL	A-FORB	5	UPL	GERANIACEAE
GERCAR	2	Geranium carolinianum	CAROLINA CRANESBILL	A-FORB	5	UPL	GERANIACEAE
GERDIS	*	GERANIUM DISSECTUM	WRINKLE-SEEDED CRANESBILL	A-FORB	5	UPL	GERANIACEAE
GERMAC	4	Geranium maculatum	WILD GERANIUM	P-FORB	3	FACU	GERANIACEAE
GERPUS	*	GERANIUM PUSILLUM	SMALL GERANIUM	A-FORB	5	UPL	GERANIACEAE
GERROB	9	Geranium robertianum	HERB ROBERT	A-FORB	5	UPL	GERANIACEAE
GERSAN	*	GERANIUM SANGUINEUM	BLOOD-RED CRANESBILL	P-FORB	5	UPL	GERANIACEAE
GERSIB	*	GERANIUM SIBIRICUM	SIBERIAN CRANESBILL	P-FORB	5	UPL	GERANIACEAE
GEUALE	6	Geum aleppicum	YELLOW AVENS	P-FORB	-1	FAC+	ROSACEAE
GEUCAN	2	Geum canadense	WHITE AVENS	P-FORB	0	FAC	ROSACEAE
GEULAC	2	Geum laciniatum	ROUGH AVENS	P-FORB	-3	FACW	ROSACEAE
GEURIV	10	Geum rivale	PURPLE AVENS	P-FORB	-5	OBL	ROSACEAE
GEUTRI	9	Geum triflorum	PRAIRIE AVENS	P-FORB	4	FACU-	ROSACEAE
GEUVER	1	Geum vernum	SPRING AVENS	P-FORB	1	FAC-	ROSACEAE
GEUVIR	7	Geum virginianum	PALE AVENS	P-FORB	4	FACU-	ROSACEAE
GILCAP	*	GILIA CAPITATA	GILIA	A-FORB	5	UPL	POLEMONIACEAE
GLACOL	*	GLADIOLUS ×COLVILLEI	SCARLET GLADIOLUS	P-FORB	5	UPL	IRIDACEAE
GLACAN	7	Glandularia canadensis	ROSE VERBENA	P-FORB	5	UPL	VERBENACEAE
GLAPER	*	GLANDULARIA PERUVIANA	PERUVIAN VERVAIN	P-FORB	5	UPL	VERBENACEAE
GLEHED	*	GLECHOMA HEDERACEA	GROUND IVY	P-FORB	3	FACU	LAMIACEAE
GLEAQU	9	Gleditsia aquatica	WATER LOCUST	TREE	-5	OBL	CAESALPINIACEAE
GLETRI	2	Gleditsia triacanthos	HONEY LOCUST	TREE	0	FAC	CAESALPINIACEAE
GLYARK	10	Glyceria arkansana	MANNA GRASS	P-GRASS	-5	OBL	POACEAE
GLYBOR	10	Glyceria borealis	NORTHERN MANNA GRASS	P-GRASS	-5	OBL	POACEAE
GLYCAN	.10	Glyceria canadensis	RATTLESNAKE MANNA GRASS	P-GRASS	-5	OBL	POACEAE
GLYGRA	8	Glyceria grandis	REED MANNA GRASS	P-GRASS	-5	OBL	POACEAE
GLYSEP	6	Glyceria septentrionalis	FLOATING MANNA GRASS	P-GRASS	-5	OBL	POACEAE
GLYSTR	4	Glyceria striata	FOWL MANNA GRASS	P-GRASS	-5	OBL	POACEAE
GLYMAX	*	GLYCINE MAX	SOYBEAN	A-FORB	5	UPL	FABACEAE
GLYLEP	*	GLYCYRRHIZA LEPIDOTA	WILD LICORICE	P-FORB	4	FACU-	FABACEAE
GNAOBT	2	Gnaphalium obtusifolium	OLD-FIELD BALSAM	B-FORB	5	UPL	ASTERACEAE
GNAPUR	2	Gnaphalium purpureum	EARLY CUDWEED	A-FORB	3	FACU	ASTERACEAE
GNAULI	*	GNAPHALIUM ULIGINOSUM	LOW CUDWEED	A-FORB	0	FAC	ASTERACEAE
GNAVIS	10	Gnaphalium viscosum	CLAMMY CUDWEED	B-FORB	5	UPL	ASTERACEAE
GOOPUB	7	Goodyera pubescens	RATTLESNAKE PLANTAIN	P-FORB	0	FAC	ORCHIDACEAE
GOSHIR	*	GOSSYPIUM HIRSUTUM	COTTON	A-FORB	5	UPL	MALVACEAE
GRAAUR	10	Gratiola aurea	GOLDENPERT	P-FORB	-5	OBL	SCROPHULARIACEAE
GRANEG	5	Gratiola neglecta	CLAMMY HEDGE HYSSOP	A-FORB	-5	OBL	SCROPHULARIACEAE
GRAVIR	5	Gratiola virginiana	ROUND-FRUITED HEDGE HYSSOP	A-FORB	-5	OBL	SCROPHULARIACEAE
GRISQU	*	GRINDELIA SQUARROSA	GUM PLANT	B-FORB	3	FACU	ASTERACEAE
GUTTEX	*	GUTIERREZIA TEXANA	BROOMWEED	A-FORB	5	UPL	ASTERACEAE
GYMDRY	10	Gymnocarpium dryopteris	OAK FERN	FERN	0	FAC	ASPLENIACEAE
GYMROB	10	Gymnocarpium robertianum	SCENTED OAK FERN	FERN	3	FACU	ASPLENIACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
GYMDIO	6	Gymnocladus dioica	KENTUCKY COFFEE TREE	TREE	5	UPL	CAESALPINIACEAE
GYMAMB	10	Gymnopogon ambiguus	BEARD GRASS	P-GRASS	5	UPL	POACEAE
GYPELE	*	GYPSOPHILA ELEGANS	BABY'S BREATH	A-FORB	5	UPL	CARYOPHYLLACEAE
GYPPAN	*	GYPSOPHILA PANICULATA	COMMON BABY'S BREATH	P-FORB	5	UPL	CARYOPHYLLACEAE
GYPSCO	*	GYPSOPHILA SCORZONERIFOLIA	BIG BABY'S BREATH	P-FORB	5	UPL	CARYOPHYLLACEAE
HACDEF	8	Hackelia deflexa v. americana	STICKSEED	P-FORB	5	UPL	BORAGINACEAE
HACVIR	1	Hackelia virginiana	STICKSEED	P-FORB	1	FAC-	BORAGINACEAE
HALCAR	10	Halesia carolina	SILVERBELL TREE	TREE	2	FACU +	STYRACACEAE
HAMVIR	8	Hamamelis virginiana	WITCH HAZEL	SHRUB	3	FACU	HAMAMELIDACEAE
HEDHIS	2	Hedeoma hispida	ROUGH PENNYROYAL	A-FORB	5	UPL	LAMIACEAE
HEDPUL	4	Hedeoma pulegioides	AMERICAN PENNYROYAL	A-FORB	5	UPL	LAMIACEAE
HEDHEL	*	HEDERA HELIX	ENGLISH IVY	W-VINE	5	UPL	ARALIACEAE
HEDCAE	7	Hedyotis caerulea	BLUETS	P-FORB	0	FAC	RUBIACEAE
HEDCRA	3	Hedyotis crassifolia	TINY BLUETS	P-FORB	4	FACU-	RUBIACEAE
HEDLON	7	Hedyotis longifolia	LONG-LEAVED BLUETS	P-FORB	5	UPL	RUBIACEAE
HEDNIG	7	Hedyotis nigricans	NARROW-LEAVED BLUETS	P-FORB	5	UPL	RUBIACEAE
HEDNUT	7	Hedyotis nuttalliana	SLENDER-LEAVED BLUETS	P-FORB	5	UPL	RUBIACEAE
HEDPUP	10	Hedyotis purpurea	BROAD-LEAVED BLUETS	P-FORB	5	UPL	RUBIACEAE
HEDPUC	6	Hedyotis purpurea v. calycosa	BROAD-LEAVED BLUETS	P-FORB	5	UPL	RUBIACEAE
HEDPUS	3	Hedyotis pusilla	SMALL BLUETS	A-FORB	5	UPL	RUBIACEAE
HELAMA	0	Helenium amarum	BITTERWEED	A-FORB	3	FACU	ASTERACEAE
HELAUT	3	Helenium autumnale	SNEEZEWEED	P-FORB	-4	FACW +	ASTERACEAE
HELFLE	4	Helenium flexuosum	PURPLE-HEADED SNEEZEWEED	P-FORB	-1	FAC +	ASTERACEAE
HELBIC	7	Helianthemum bicknellii	ROCKROSE	P-FORB	5	UPL	CISTACEAE
HELCAN	7	Helianthemum canadense	COMMON ROCKROSE	P-FORB	5	UPL	CISTACEAE
HELANG	10	Helianthus angustifolius	NARROW-LEAVED SUNFLOWER	P-FORB	-2	FACW-	ASTERACEAE
HELANN	*	HELIANTHUS ANNUUS	COMMON SUNFLOWER	A-FORB	1	FAC-	ASTERACEAE
HELCIL	*	HELIANTHUS CILIARIS	BLUEWEED SUNFLOWER	A-FORB	5	UPL	ASTERACEAE
HELDEC	5	Helianthus decapetalus	PALE SUNFLOWER	P-FORB	5	UPL	ASTERACEAE
HELDIV	5	Helianthus divaricatus	WOODLAND SUNFLOWER	P-FORB	5	UPL	ASTERACEAE
HELGIG	9	Helianthus giganteus	TALL SUNFLOWER	P-FORB	-3	FACW	ASTERACEAE
HELGRO	2	Helianthus grosseserratus	SAWTOOTH SUNFLOWER	P-FORB	-2	FACW-	ASTERACEAE
HELHIR	5	Helianthus hirsutus	BRISTLY SUNFLOWER	P-FORB	5	UPL	ASTERACEAE
HELMAX	*	HELIANTHUS MAXIMILIANII	MAXIMILIAN'S SUNFLOWER	P-FORB	5	UPL	ASTERACEAE
HELMIC	8	Helianthus microcephalus	SMALL WOOD SUNFLOWER	P-FORB	4	FACU-	ASTERACEAE
HELMOL	7	Helianthus mollis	DOWNY SUNFLOWER	P-FORB	5	UPL	ASTERACEAE
HELOCC	7	Helianthus occidentalis	WESTERN SUNFLOWER	P-FORB	4	FACU-	ASTERACEAE
HELPET	*	HELIANTHUS PETIOLARIS	PETIOLED SUNFLOWER	A-FORB	5	UPL	ASTERACEAE
HELRIG	6	Helianthus rigidus	PRAIRIE SUNFLOWER	P-FORB	5	UPL	ASTERACEAE
HELSAL	*	HELIANTHUS SALICIFOLIUS	WILLOW-LEAVED SUNFLOWER	P-FORB	5	UPL	ASTERACEAE
HELSIL	10	Helianthus silphioides	FALSE ROSIN WEED	P-FORB	0	FAC	ASTERACEAE
HELSTR	3	Helianthus strumosus	PALE-LEAVED SUNFLOWER	P-FORB	5	UPL	ASTERACEAE
HELTUB	3	Helianthus tuberosus	JERUSALEM ARTICHOKE	P-FORB	0	FAC	ASTERACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
HELHEL	4	Heliopsis helianthoides	FALSE SUNFLOWER	P-FORB	5	UPL	ASTERACEAE
HELCUR	*	HELIOTROPIUM CURASSAVICUM	SEASIDE HELIOTROPE	A-FORB	-5	OBL	BORAGINACEAE
HELEUR	*	HELIOTROPIUM EUROPAEUM	EUROPEAN HELIOTROPE	A-FORB	5	UPL	BORAGINACEAE
HELIND	*	HELIOTROPIUM INDICUM	INDIAN HELIOTROPE	A-FORB	-3	FACW	BORAGINACEAE
HELTEN	10	Heliotropium tenellum	SLENDER HELIOTROPE	A-FORB	5	UPL	BORAGINACEAE
HELVIR	*	HELLEBORUS VIRIDIS	GREEN HELLEBORE	P-FORB	5	UPL	RANUNCULACEAE
HEMFUL	*	HEMEROCALLIS FULVA	ORANGE DAY LILY	P-FORB	5	UPL	LILIACEAE
HEMLIL	*	HEMEROCALLIS LILIO-ASPHODELUS	LEMON DAY LILY	P-FORB	5	UPL	LILIACEAE
HEPNOA	7	Hepatica nobilis v. acuta	SHARP-LOBED HEPATICA	P-FORB	5	UPL	RANUNCULACEAE
HEPNOO	10	Hepatica nobilis v. obtusa	ROUND-LEAVED HEPATICA	P-FORB	5	UPL	RANUNCULACEAE
HERLAN	6	Heracleum lanatum	COW PARSNIP	P-FORB	-3	FACW	APIACEAE
HESMAT	*	HESPERIS MATRONALIS	DAME'S ROCKET	P-FORB	5	UPL	BRASSICACEAE
HETLIM	9	Heteranthera limosa	DUCK SALAD	P-FORB	-5	OBL	PONTEDERIACEAE
HETREN	9	Heteranthera reniformis	MUD PLANTAIN	P-FORB	-5	OBL	PONTEDERIACEAE
HETCAM	5	Heterotheca camporum	GOLDEN ASTER	P-FORB	5	UPL	ASTERACEAE
HETLAT	2	Heterotheca latifolia	CAMPHORWEED	A-FORB	4	FACU-	ASTERACEAE
HEUAME	7	Heuchera americana v. hirsuticaulis	TALL ALUMROOT	P-FORB	4	FACU-	SAXIFRAGACEAE
HEUPAR	8	Heuchera parviflora v. rugelii	LATE ALUMROOT	P-FORB	5	UPL	SAXIFRAGACEAE
HEURIC	7	Heuchera richardsonii v. grayana	PRAIRIE ALUMROOT	P-FORB	1	FAC-	SAXIFRAGACEAE
HEXSPI	10	Hexalectris spicata	CRESTED CORAL ROOT	P-FORB	5	UPL	ORCHIDACEAE
HIBLAE	4	Hibiscus laevis	HALBERD-LEAVED ROSE MALLOW	P-FORB	-5	OBL	MALVACEAE
HIBLAS	5	Hibiscus lasiocarpus	HAIRY ROSE MALLOW	P-FORB	-4	FACW+	MALVACEAE
HIBMOS	6	Hibiscus moscheutos	SWAMP ROSE MALLOW	P-FORB	-5	OBL	MALVACEAE
HIBSYR	*	HIBISCUS SYRIACUS	ROSE-OF-SHARON	SHRUB	5	UPL	MALVACEAE
HIBTRI	*	HIBISCUS TRIONUM	FLOWER-OF-AN-HOUR	A-FORB	5	UPL	MALVACEAE
HIEAUR	*	HIERACIUM AURANTIACUM	DEVIL'S PAINT BRUSH	P-FORB	5	UPL	ASTERACEAE
HIECAE	*	HIERACIUM CAESPITOSUM	FIELD HAWKWEED	P-FORB	5	UPL	ASTERACEAE
HIECAN	5	Hieracium canadense	CANADA HAWKWEED	P-FORB	5	UPL	ASTERACEAE
HIEFLO	*	HIERACIUM FLORENTINUM	KING DEVIL	P-FORB	5	UPL	ASTERACEAE
HIEGRO	5	Hieracium gronovii	HAIRY HAWKWEED	P-FORB	5	UPL	ASTERACEAE
HIELON	6	Hieracium longipilum	LONG-BEARDED HAWKWEED	P-FORB	5	UPL	ASTERACEAE
HIEMUR	*	HIERACIUM MURORUM	GOLDEN LUNGWORT	P-FORB	5	UPL	ASTERACEAE
HIESCA	5	Hieracium scabrum	ROUGH HAWKWEED	P-FORB	5	UPL	ASTERACEAE
HIEODO	7	Hierochloe odorata	SWEET GRASS	P-GRASS	-3	FACW	POACEAE
HIPVUL	10	Hippuris vulgaris	MARE'S TAIL	P-FORB	-5	OBL	HIPPURIDACEAE
HOLLAN	*	HOLCUS LANATUS	VELVET GRASS	P-GRASS	4	FACU-	POACEAE
HOLUMB	*	HOLOSTEUM UMBELLATUM	JAGGED CHICKWEED	A-FORB	5	UPL	CARYOPHYLLACEAE
HORBRA	*	HORDEUM BRACHYANTHERUM	MEADOW BARLEY	P-GRASS	-2	FACW-	POACEAE
HORGEN	*	HORDEUM GENICULATUM	KNEE BARLEY	P-GRASS	5	UPL	POACEAE
HORJUB	*	HORDEUM JUBATUM	SQUIRREL-TAIL GRASS	P-GRASS	-1	FAC+	POACEAE
HORPUS	0	Hordeum pusillum	LITTLE BARLEY	A-GRASS	0	FAC	POACEAE
HORVUL	*	HORDEUM VULGARE	COMMON BARLEY	A-GRASS	5	UPL	POACEAE
HOSAME	*	HOSACKIA AMERICANA	DEER VETCH	A-FORB	5	UPL	FABACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
HOSLAN	*	HOSTA LANCIFOLIA	PLANTAIN LILY	P-FORB	5	UPL	LILIACEAE
HOTINF	9	Hottonia inflata	FEATHERFOIL	A-FORB	-5	OBL	PRIMULACEAE
HUDTOM	9	Hudsonia tomentosa	FALSE HEATHER	SHRUB	5	UPL	CISTACEAE
HUMJAP	*	HUMULUS JAPONICUS	JAPANESE HOPS	H-VINE	3	FACU	MORACEAE
HUMLUP	2	Humulus lupulus	COMMON HOPS	H-VINE	3	FACU	MORACEAE
HYBCON	7	Hybanthus concolor	GREEN VIOLET	P-FORB	2	FACU+	VIOLACEAE
HYDARB	6	Hydrangea arborescens	WILD HYDRANGEA	SHRUB	4	FACU-	HYDRANGEACEAE
HYDCAS	7	Hydrastis canadensis	GOLDEN SEAL	P-FORB	5	UPL	RANUNCULACEAE
HYDRAN	5	Hydrocotyle ranunculoides	BUTTERCUP PENNYWORT	P-FORB	-5	OBL	APIACEAE
HYDUNI	9	Hydrolea uniflora	ONE-FLOWERED HYDROLEA	P-FORB	-5	OBL	HYDROPHYLLACEAE
HYDAPP	6	Hydrophyllum appendiculatum	GREAT WATERLEAF	P-FORB	5	UPL	HYDROPHYLLACEAE
HYDCAE	6	Hydrophyllum canadense	CANADA WATERLEAF	P-FORB	-2	FACW-	HYDROPHYLLACEAE
HYDMAC	7	Hydrophyllum macrophyllum	LARGE-LEAF WATERLEAF	P-FORB	5	UPL	HYDROPHYLLACEAE
HYDVIR	5	Hydrophyllum virginianum	VIRGINIA WATERLEAF	P-FORB	-2	FACW-	HYDROPHYLLACEAE
HYMCAR	9	Hymenocallis caroliniana	SPIDER LILY	P-FORB	-5	OBL	LILIACEAE
HYMSCA	9	Hymenopappus scabiosaeus	OLD PLAINSMAN	B-FORB	5	UPL	ASTERACEAE
HYMACA	10	Hymenoxys acaulis v. glabra	FOUR-NERVED STARFLOWER	P-FORB	5	UPL	ASTERACEAE
HYONIG	*	HYOSCYAMUS NIGER	BLACK HENBANE	A-FORB	5	UPL	SOLANACEAE
HYPADP	9	Hypericum adpressum	SHORE ST. JOHN'S WORT	P-FORB	-5	OBL	HYPERICACEAE
HYPBOR	10	Hypericum boreale	NORTHERN ST. JOHN'S WORT	P-FORB	-5	OBL	HYPERICACEAE
HYPCAN	8	Hypericum canadense	CANADIAN ST. JOHN'S WORT	A-FORB	-3	FACW	HYPERICACEAE
HYPDES	10	Hypericum densiflorum	SHRUBBY ST.JOHN'S WORT	P-FORB	-2	FACW-	HYPERICACEAE
HYPDET	9	Hypericum denticulatum	TOOTHED ST. JOHN'S WORT	P-FORB	-2	FACW-	HYPERICACEAE
HYPDRU	6	Hypericum drummondii	NITS-AND-LICE	A-FORB	3	FACU	HYPERICACEAE
HYPELL	5	Hypericum ellipticum	CREEPING ST. JOHN'S WORT	P-FORB	-5	OBL	HYPERICACEAE
HYPGEN	6	Hypericum gentianoides	PINEWEED	A-FORB	3	FACU	HYPERICACEAE
HYPGYM	9	Hypericum gymnanthum	CLASPING ST. JOHN'S WORT	P-FORB	-5	OBL	HYPERICACEAE
HYPHYP	9	Hypericum hypericoides	ST. ANDREW'S CROSS	SHRUB	3	FACU	HYPERICACEAE
HYPKAL	10	Hypericum kalmianum	KALM'S ST. JOHN'S WORT	SHRUB	-2	FACW-	HYPERICACEAE
HYPLOB	10	Hypericum lobocarpum	SHRUBBY ST. JOHN'S WORT	SHRUB	5	UPL	HYPERICACEAE
HYPMAJ	7	Hypericum majus	SAND ST. JOHN'S WORT	P-FORB	-3	FACW	HYPERICACEAE
HYPMUT	5	Hypericum mutilum	DWARF ST. JOHN'S WORT	P-FORB	-3	FACW	HYPERICACEAE
HYPPER	*	HYPERICUM PERFORATUM	COMMON ST. JOHN'S WORT	P-FORB	5	UPL	HYPERICACEAE
HYPPRO	6	Hypericum prolificum	SHRUBBY ST. JOHN'S WORT	SHRUB	3	FACU	HYPERICACEAE
HYPPSE	7	Hypericum pseudomaculatum	SPOTTED ST. JOHN'S WORT	P-FORB	5	UPL	HYPERICACEAE
HYPPUN	3	Hypericum punctatum	SPOTTED ST. JOHN'S WORT	P-FORB	-1	FAC+	HYPERICACEAE
HYPPYR	8	Hypericum pyramidatum	GIANT ST. JOHN'S WORT	P-FORB	-1	FAC+	HYPERICACEAE
HYPSPH	5	Hypericum sphaerocarpum	ROUND-FRUITED ST. JOHN'S WORT	P-FORB	3	FACU	HYPERICACEAE
HYPSTR	8	Hypericum stragulum	ST. ANDREW'S CROSS	SHRUB	5	UPL	HYPERICACEAE
HYPGLA	*	HYPOCHAERIS GLABRA	SMOOTH CAT'S EAR	A-FORB	5	UPL	ASTERACEAE
HYPRAD	*	HYPOCHAERIS RADICATA	SPOTTED CAT'S EAR	P-FORB	5	UPL	ASTERACEAE
HYPHIR	6	Hypoxis hirsuta	YELLOW STAR GRASS	P-FORB	0	FAC	LILIACEAE
ILEDEC	6	Ilex decidua	SWAMP HOLLY	SHRUB	-3	FACW	AQUIFOLIACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
ILEOPA	*	ILEX OPACA	AMERICAN HOLLY	TREE	2	FACU+	AQUIFOLIACEAE
ILEVER	9	Ilex verticillata	WINTERBERRY	SHRUB	-4	FACW+	AQUIFOLIACEAE
ILIREM	10	Iliamna remota	KANKAKEE MALLOW	P-FORB	5	UPL	MALVACEAE
IMPCAP	2	Impatiens capensis	SPOTTED TOUCH-ME-NOT	A-FORB	-3	FACW	BALSAMINACEAE
IMPPAL	4	Impatiens pallida	PALE TOUCH-ME-NOT	A-FORB	-3	FACW	BALSAMINACEAE
INUHEL	*	INULA HELENIUM	ELECAMPANE	P-FORB	5	UPL	ASTERACEAE
IODPIN	6	Iodanthus pinnatifidus	VIOLET CRESS	P-FORB	-3	FACW	BRASSICACEAE
IPOCOC	*	IPOMOEA COCCINEA	RED MORNING GLORY	H-VINE	0	FAC	CONVOLVULACEAE
IPOHED	*	IPOMOEA HEDERACEA	IVY-LEAVED MORNING GLORY	A-FORB	0	FAC	CONVOLVULACEAE
IPOLAC	1	Ipomoea lacunosa	SMALL MORNING GLORY	A-FORB	-3	FACW	CONVOLVULACEAE
IPOPAN	2	Ipomoea pandurata	WILD SWEET POTATO	P-FORB	3	FACU	CONVOLVULACEAE
IPOPUR	*	IPOMOEA PURPUREA	COMMON MORNING GLORY	A-FORB	4	FACU-	CONVOLVULACEAE
IPORUB	*	IPOMOPSIS RUBRA	STANDING CYPRESS	B-FORB	5	UPL	POLEMONIACEAE
IRERHI	8	Iresine rhizomatosa	BLOODLEAF	P-FORB	-2	FACW-	AMARANTHACEAE
IRIBRE	9	Iris brevicaulis	BLUE WATER IRIS	P-FORB	-5	OBL	IRIDACEAE
IRICRI	10	Iris cristata	DWARF CRESTED IRIS	P-FORB	5	UPL	IRIDACEAE
IRIFLA	*	IRIS FLAVESCENS	PALE YELLOW IRIS	P-FORB	5	UPL	IRIDACEAE
IRIFUL	9	Iris fulva	COPPER IRIS	P-FORB	-5	OBL	IRIDACEAE
IRIGER	*	IRIS GERMANICA	GERMAN IRIS	P-FORB	5	UPL	IRIDACEAE
IRIPSE	*	IRIS PSEUDACORUS	TALL YELLOW IRIS	P-FORB	-5	OBL	IRIDACEAE
IRIPUM	*	IRIS PUMILA	DWARF IRIS	P-FORB	5	UPL	IRIDACEAE
IRISHR	5	Iris shrevei	SOUTHERN BLUE FLAG	P-FORB	-5	OBL	IRIDACEAE
ISATIN	*	ISATIS TINCTORIA	DYER'S WOAD	B-FORB	5	UPL	BRASSICACEAE
ISOBUT	10	Isoetes butleri	GLADE QUILLWORT	FERN	-5	OBL	ISOETACEAE
ISOENG	9	Isoetes engelmannii	ENGELMANN'S QUILLWORT	FERN	-5	OBL	ISOETACEAE
ISOMEL	10	Isoetes melanopoda	BLACK QUILLWORT	FERN	-5	OBL	ISOETACEAE
ISOBIT	5	Isopyrum biternatum	FALSE RUE ANEMONE	P-FORB	0	FAC	RANUNCULACEAE
ISOMED	10	Isotria medeoloides	SMALL WHORLED POGONIA	P-FORB	3	FACU	ORCHIDACEAE
ISOVER	10	Isotria verticillata	FIVE LEAVES	P-FORB	0	FAC	ORCHIDACEAE
ITEVIR	10	Itea virginica	VIRGINIA WILLOW	SHRUB	-5	OBL	ESCALLONIACEAE
IVAANN	0	Iva annua	MARSH ELDER	A-FORB	0	FAC	ASTERACEAE
IVAXAN	*	IVA XANTHIFOLIA	RAG SUMPWEED	A-FORB	0	FAC	ASTERACEAE
JACTAM	*	JACQUEMONTIA TAMNIFOLIA	TIE VINE	A-FORB	5	UPL	CONVOLVULACEAE
JEFDIP	10	Jeffersonia diphylla	TWINLEAF	P-FORB	5	UPL	BERBERIDACEAE
JUGCIN	7	Juglans cinerea	BUTTERNUT	TREE	2	FACU+	JUGLANDACEAE
JUGNIG	4	Juglans nigra	BLACK WALNUT	TREE	3	FACU	JUGLANDACEAE
JUNACU	4	Juncus acuminatus	SHARP-FRUITED RUSH	P-FORB	-5	OBL	JUNCACEAE
JUNALP	8	Juncus alpinus	RICHARDSON'S RUSH	P-FORB	-5	OBL	JUNCACEAE
JUNART	9	Juncus articulatus	JOINTED RUSH	P-FORB	-5	OBL	JUNCACEAE
JUNBAL	6	Juncus balticus v. littoralis	LAKE SHORE RUSH	P-FORB	-5	OBL	JUNCACEAE
JUNBIF	5	Juncus biflorus	TWO-FLOWERED RUSH	P-FORB	-3	FACW	JUNCACEAE
JUNBRR	5	Juncus brachycarpus	SHORT-FRUITED RUSH	P-FORB	-3	FACW	JUNCACEAE
JUNBRP	9	Juncus brachycephalus	SHORT-HEADED RUSH	P-FORB	-5	OBL	JUNCACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
JUNBUF	2	Juncus bufonius	TOAD RUSH	A-FORB	-4	FACW +	JUNCACEAE
JUNCAN	6	Juncus canadensis	CANADIAN RUSH	P-FORB	-5	OBL	JUNCACEAE
JUNDIF	7	Juncus diffusissimus	SLIMPOD RUSH	P-FORB	-3	FACW	JUNCACEAE
JUNDUD	4	Juncus dudleyi	DUDLEY'S RUSH	P-FORB	0	FAC	JUNCACEAE
JUNEFS	4	Juncus effusus v. solutus	COMMON RUSH	P-FORB	-5	OBL	JUNCACEAE
JUNGER	*	JUNCUS GERARDII	BLACK GRASS	P-FORB	-5	OBL	JUNCACEAE
JUNGRE	7	Juncus greenei	GREENE'S RUSH	P-FORB	0	FAC	JUNCACEAE
JUNINT	3	Juncus interior	INLAND RUSH	P-FORB	-1	FAC +	JUNCACEAE
JUNMAR	5	Juncus marginatus	GRASS-LEAVED RUSH	P-FORB	-3	FACW	JUNCACEAE
JUNNOT	6	Juncus nodatus	STOUT RUSH	P-FORB	-5	OBL	JUNCACEAE
JUNNOS	6	Juncus nodosus	JOINT RUSH	P-FORB	-5	OBL	JUNCACEAE
JUNSCI	9	Juncus scirpoides	ROUND-HEADED RUSH	P-FORB	-4	FACW +	JUNCACEAE
JUNSEC	6	Juncus secundus	SIDE-FLOWERING RUSH	P-FORB	1	FAC-	JUNCACEAE
JUNTEN	0	Juncus tenuis	PATH RUSH	P-FORB	0	FAC	JUNCACEAE
JUNTOR	3	Juncus torreyi	TORREY'S RUSH	P-FORB	-3	FACW	JUNCACEAE
JUNVAS	10	Juncus vaseyi	VASEY'S RUSH	P-FORB	-3	FACW	JUNCACEAE
JUNCOC	10	Juniperus communis	COMMON JUNIPER	SHRUB	5	UPL	CUPRESSACEAE
JUNCOD	10	Juniperus communis v. depressa	COMMON JUNIPER	SHRUB	5	UPL	CUPRESSACEAE
JUNHOR	10	Juniperus horizontalis	TRAILING JUNIPER	SHRUB	1	FAC-	CUPRESSACEAE
JUNVIR	1	Juniperus virginiana	EASTERN RED CEDAR	TREE	3	FACU	CUPRESSACEAE
JUSAME	6	Justicia americana	WATER WILLOW	P-FORB	-5	OBL	ACANTHACEAE
JUSOVA	10	Justicia ovata	WATER WILLOW	P-FORB	-5	OBL	ACANTHACEAE
KALPAR	*	KALLSTROEMIA PARVIFLORA	HAIRY CALTROP	A-FORB	5	UPL	ZYGOPHYLLACEAE
KERJAP	*	KERRIA JAPONICA	YELLOW ROSE	SHRUB	5	UPL	ROSACEAE
KICELA	*	KICKXIA ELATINE	FLUELLIN	A-FORB	0	FAC	SCROPHULARIACEAE
KNAARV	*	KNAUTIA ARVENSIS	BLUE BUTTONS	B-FORB	5	UPL	DIPSACACEAE
KOCSCO	*	KOCHIA SCOPARIA	BELVEDERE SUMMER CYPRESS	A-FORB	4	FACU-	CHENOPODIACEAE
KOEMAC	7	Koeleria macrantha	JUNE GRASS	P-GRASS	5	UPL	POACEAE
KOEPAN	*	KOELREUTERIA PANICULATA	GOLDEN-RAIN TREE	TREE	5	UPL	SAPINDACEAE
KRIBIF	5	Krigia biflora	FALSE DANDELOIN	P-FORB	3	FACU	ASTERACEAE
KRICAE	1	Krigia caespitosa	DWARF DANDELION	P-FORB	1	FAC-	ASTERACEAE
KRIDAN	6	Krigia dandelion	DWARF DANDELION	P-FORB	3	FACU	ASTERACEAE
KRIVIR	4	Krigia virginica	DWARF DANDELION	A-FORB	5	UPL	ASTERACEAE
KUMSTI	*	KUMMEROWIA STIPULACEA	KOREAN CLOVER	A-FORB	3	FACU	FABACEAE
KUMSTR	*	KUMMEROWIA STRIATA	JAPANESE LESPEDEZA	A-FORB	3	FACU	FABACEAE
LACBIE	4	Lactuca biennis	TALL BLUE LETTUCE	B-FORB	0	FAC	ASTERACEAE
LACCAN	1	Lactuca canadensis	WILD LETTUCE	B-FORB	2	FACU +	ASTERACEAE
LACFLO	4	Lactuca floridana	BLUE LETTUCE	B-FORB	1	FAC-	ASTERACEAE
LACHIR	7	Lactuca hirsuta v. sanguinea	HAIRY WILD LETTUCE	B-FORB	5	UPL	ASTERACEAE
LACLUD	10	Lactuca ludoviciana	WESTERN WILD LETTUCE	B-FORB	5	UPL	ASTERACEAE
LACSAL	*	LACTUCA SALIGNA	WILLOW-LEAVED LETTUCE	B-FORB	3	FACU	ASTERACEAE
LACSAT	*	LACTUCA SATIVA	CULTIVATED LETTUCE	B-FORB	5	UPL	ASTERACEAE
LACSER	*	LACTUCA SERRIOLA	PRICKLY LETTUCE	B-FORB	0	FAC	ASTERACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
LACTAT	*	LACTUCA TATARICA	SHOWY BLUE LETTUCE	P-FORB	5	UPL	ASTERACEAE
LAGSIC	*	LAGENARIA SICERARIA	GOURD	H-VINE	5	UPL	CUCURBITACEAE
LAMAMP	*	LAMIUM AMPLEXICAULE	HENBIT	A-FORB	5	UPL	LAMIACEAE
LAMMAC	*	LAMIUM MACULATUM	SPOTTED DEAD NETTLE	P-FORB	5	UPL	LAMIACEAE
LAMPUR	*	LAMIUM PURPUREUM	PURPLE DEAD NETTLE	A-FORB	5	UPL	LAMIACEAE
LAPCAN	2	Laportea canadensis	CANADA WOOD NETTLE	P-FORB	-3	FACW	URTICACEAE
LAPECH	*	LAPPULA ECHINATA	BEGGAR'S LICE	A-FORB	5	UPL	BORAGINACEAE
LAPRED	*	LAPPULA REDOWSKII v. OCCIDENTALIS	WESTERN BEGGAR'S LICE	A-FORB	5	UPL	BORAGINACEAE
LAPCOM	*	LAPSANA COMMUNIS	COMMON NIPPLEWORT	A-FORB	5	UPL	ASTERACEAE
LARDEC	*	LARIX DECIDUA	EUROPEAN LARCH	TREE	5	UPL	PINACEAE
LARLAR	10	Larix laricina	AMERICAN LARCH	TREE	-5	OBL	PINACEAE
LATHIR	*	LATHYRUS HIRSUTUS	CALEY PEA	P-FORB	5	UPL	FABACEAE
LATJAP	10	Lathyrus japonicus v. glaber	BEACH PEA	P-FORB	4	FACU-	FABACEAE
LATLAT	*	LATHYRUS LATIFOLIUS	EVERLASTING PEA	P-FORB	5	UPL	FABACEAE
LATOCH	8	Lathyrus ochroleucus	PALE VETCHLING	P-FORB	5	UPL	FABACEAE
LATODO	*	LATHYRUS ODORATUS	SWEET PEA	A-FORB	5	UPL	FABACEAE
LATPAP	7	Lathyrus palustris	MARSH VETCHLING	P-FORB	-5	OBL	FABACEAE
LATPAM	6	Lathyrus palustris v. myrtifolius	MARSH VETCHLING	P-FORB	-5	OBL	FABACEAE
LATPRA	*	LATHYRUS PRATENSIS	YELLOW VETCHLING	P-FORB	5	UPL	FABACEAE
LATTUB	*	LATHYRUS TUBEROSUS	DUTCH MICE	P-FORB	5	UPL	FABACEAE
LATVEN	9	Lathyrus venosus v. intonsus	VEINY PEA	P-FORB	0	FAC	FABACEAE
LECINT	10	Lechea intermedia	SAVANNA PINWEED	P-FORB	5	UPL	CISTACEAE
LECMIN	8	Lechea minor	SMALL PINWEED	P-FORB	5	UPL	CISTACEAE
LECPUL	7	Lechea pulchella	PRETTY PINWEED	P-FORB	5	UPL	CISTACEAE
LECSTR	8	Lechea stricta	BUSHY PINWEED	P-FORB	5	UPL	CISTACEAE
LECTEN	6	Lechea tenuifolia	NARROW-LEAVED PINWEED	P-FORB	5	UPL	CISTACEAE
LECVIL	7	Lechea villosa	HAIRY PINWEED	P-FORB	5	UPL	CISTACEAE
LEELEN	5	Leersia lenticularis	CATCHFLY GRASS	P-GRASS	-5	OBL	POACEAE
LEEORY	3	Leersia oryzoides	RICE CUT GRASS	P-GRASS	-5	OBL	POACEAE
LEEVIR	4	Leersia virginica	WHITE GRASS	P-GRASS	-3	FACW	POACEAE
LEMGIB	10	Lemna gibba	SWOLLEN DUCKWEED	A-FORB	-5	OBL	LEMNACEAE
LEMMIR	3	Lemna minor	SMALL DUCKWEED	A-FORB	-5	OBL	LEMNACEAE
LEMMIT	5	Lemna minuta	DINKY DUCKWEED	A-FORB	-5	OBL	LEMNACEAE
LEMOBS	5	Lemna obscura	PURPLE DUCKWEED	A-FORB	-5	OBL	LEMNACEAE
LEMPER	8	Lemna perpusilla	LEAST DUCKWEED	A-FORB	-5	OBL	LEMNACEAE
LEMTRN	5	Lemna trinervis	THREE-NERVED DUCKWEED	A-FORB	-5	OBL	LEMNACEAE
LEMTRS	8	Lemna trisulca	FORKED DUCKWEED	A-FORB	-5	OBL	LEMNACEAE
LEMVAL	5	Lemna valdiviana	PALE DUCKWEED	A-FORB	-5	OBL	LEMNACEAE
LEOAUT	*	LEONTODON AUTUMNALIS	FALL DANDELION	P-FORB	5	UPL	ASTERACEAE
LEOTAR	*	LEONTODON TARAXACOIDES	HAWKBIT	P-FORB	5	UPL	ASTERACEAE
LEOCAR	*	LEONURUS CARDIACA	MOTHERWORT	P-FORB	5	UPL	LAMIACEAE
LEOMAR	*	LEONURUS MARRUBIASTRUM	LION'S TAIL	B-FORB	5	UPL	LAMIACEAE
LEOSIB	*	LEONURUS SIBIRICUS	SIBERIAN LION'S TAIL	B-FORB	5	UPL	LAMIACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
LEPCAM	*	LEPIDIUM CAMPESTRE	FIELD CRESS	B-FORB	5	UPL	BRASSICACEAE
LEPDEN	*	LEPIDIUM DENSIFLORUM	SMALL PEPPERGRASS	A-FORB	0	FAC	BRASSICACEAE
LEPLAT	*	LEPIDIUM LATIFOLIUM	BROAD-LEAVED PEPPERCRESS	A-FORB	5	UPL	BRASSICACEAE
LEPPER	*	LEPIDIUM PERFOLIATUM	CLASPING CRESS	P-FORB	0	FAC	BRASSICACEAE
LEPRUD	*	LEPIDIUM RUDERALE	FETID PEPPERGRASS	A-FORB	5	UPL	BRASSICACEAE
LEPSAT	*	LEPIDIUM SATIVUM	GARDEN CRESS	A-FORB	5	UPL	BRASSICACEAE
LEPVIR	0	Lepidium virginicum	COMMON PEPPERGRASS	A-FORB	4	FACU-	BRASSICACEAE
LEPACU	*	LEPTOCHLOA ACUMINATA	SALT MEADOW GRASS	A-GRASS	0	FAC	POACEAE
LEPATT	7	Leptochloa attenuata	SPRANGLE TOP	A-GRASS	-4	FACW+	POACEAE
LEPFAS	0	Leptochloa fascicularis	BEARDED SPRANGLE TOP	A-GRASS	-5	OBL	POACEAE
LEPFIL	5	Leptochloa filiformis	RED SPRANGLE TOP	A-GRASS	-4	FACW+	POACEAE
LEPPAN	9	Leptochloa panicoides	SALT MEADOW GRASS	A-GRASS	-5	OBL	POACEAE
LEPUNI	*	LEPTOCHLOA UNINERVIA	MEXICAN SPRANGLETOP	A-GRASS	5	UPL	POACEAE
LEPCOG	4	Leptoloma cognatum	FALL WITCH GRASS	P-GRASS	5	UPL	POACEAE
LESBIC	*	LESPEDEZA BICOLOR	BICOLOR LESPEDEZA	SHRUB	5	UPL	FABACEAE
LESCAP	4	Lespedeza capitata	ROUND-HEADED BUSH CLOVER	P-FORB	3	FACU	FABACEAE
LESCUN	*	LESPEDEZA CUNEATA	SILKY BUSH CLOVER	P-FORB	5	UPL	FABACEAE
LESDAU	*	LESPEDEZA DAURICA	ASIAN LESPEDEZA	P-FORB	5	UPL	FABACEAE
LESHIR	6	Lespedeza hirta	HAIRY BUSH CLOVER	P-FORB	5	UPL	FABACEAE
LESINT	6	Lespedeza intermedia	WAND-LIKE BUSH CLOVER	P-FORB	5	UPL	FABACEAE
LESLEP	10	Lespedeza leptostachya	PRAIRIE BUSH CLOVER	P-FORB	5	UPL	FABACEAE
LESPRO	5	Lespedeza procumbens	TRAILING BUSH CLOVER	P-FORB	5	UPL	FABACEAE
LESREP	6	Lespedeza repens	CREEPING BUSH CLOVER	P-FORB	5	UPL	FABACEAE
LESSTU	6	Lespedeza stuevei	STUVE'S BUSH CLOVER	P-FORB	5	UPL	FABACEAE
LESTHU	*	LESPEDEZA THUNBERGII	SHRUBBY BUSH CLOVER	SHRUB	5	UPL	FABACEAE
LESVIO	5	Lespedeza violacea	VIOLET BUSH CLOVER	P-FORB	5	UPL	FABACEAE
LESVIR	5	Lespedeza virginica	SLENDER BUSH CLOVER	P-FORB	5	UPL	FABACEAE
LESGRA	*	LESQUERELLA GRACILIS	SLENDER BLADDER POD	A-FORB	5	UPL	BRASSICACEAE
LESLUD	10	Lesquerella ludoviciana	SILVERY BLADDERPOD	P-FORB	5	UPL	BRASSICACEAE
LEUVUL	*	LEUCANTHEMUM VULGARE	OX-EYE DAISY	P-FORB	5	UPL	ASTERACEAE
LEUAES	*	LEUCOJUM AESTIVUM	SNOWFLAKE	P-FORB	5	UPL	LILIACEAE
LEUMUL	3	Leucospora multifida	OBE-WAN-CONOBEA	A-FORB	-4	FACW+	SCROPHULARIACEAE
LIAASP	7	Liatris aspera	ROUGH BLAZING STAR	P-FORB	5	UPL	ASTERACEAE
LIACYL	8	Liatris cylindracea	CYLINDRICAL BLAZING STAR	P-FORB	5	UPL	ASTERACEAE
LIAPUN	*	LIATRIS PUNCTATA	DOTTED BLAZING STAR	P-FORB	5	UPL	ASTERACEAE
LIAPYC	6	Liatris pycnostachya	PRAIRIE BLAZINE STAR	P-FORB	1	FAC-	ASTERACEAE
LIASCS	8	Liatris scabra	HAIRY BLAZING STAR	P-FORB	5	UPL	ASTERACEAE
LIASCN	7	Liatris scariosa v. nieuwlandii	SAVANNA BLAZINE STAR	P-FORB	5	UPL	ASTERACEAE
LIASPI	7	Liatris spicata	MARSH BLAZING STAR	P-FORB	0	FAC	ASTERACEAE
LIASQS	7	Liatris squarrosa	BLAZING STAR	P-FORB	5	UPL	ASTERACEAE
LIASQL	10	Liatris squarrulosa	SMOOTH BLAZING STAR	P-FORB	5	UPL	ASTERACEAE
LIGOBT	*	LIGUSTRUM OBTUSIFOLIUM	BORDER PRIVET	SHRUB	5	UPL	OLEACEAE
LIGVUL	*	LIGUSTRUM VULGARE	COMMON PRIVET	SHRUB	5	UPL	OLEACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
LILLAN	*	LILIUM LANCIFOLIUM	TIGER LILY	P-FORB	5	UPL	LILIACEAE
LILMIC	6	Lilium michiganense	MICHIGAN LILY	P-FORB	-1	FAC+	LILIACEAE
LILPHI	10	Lilium philadelphicum v. andinum	PRAIRIE LILY	P-FORB	1	FAC-	LILIACEAE
LILSUP	9	Lilium superbum	SUPERB LILY	P-FORB	5	UPL	LILIACEAE
LIMSPO	10	Limnobium spongia	FROG'S BIT	P-FORB	-5	OBL	HYDROCHARITACEAE
LIMPIN	*	LIMNOSCIADIUM PINNATUM	JOINTED COWBANE	A-FORB	-3	FACW	APIACEAE
LINCAN	4	Linaria canadensis	BLUE TOADFLAX	A-FORB	5	UPL	SCROPHULARIACEAE
LINGEN	*	LINARIA GENISTIFOLIA v. DALMATICA	DALMATIAN TOADFLAX	P-FORB	5	UPL	SCROPHULARIACEAE
LINTEX	4	Linaria texana	SMOOTH BLUE TOADFLAX	A-FORB	5	UPL	SCROPHULARIACEAE
LINVUL	*	LINARIA VULGARIS	BUTTER-AND-EGGS	A-FORB	5	UPL	SCROPHULARIACEAE
LINBEB	5	Lindera benzoin	SPICEBUSH	SHRUB	-2	FACW-	LAURACEAE
LINBEP	5	Lindera benzoin v. pubescens	HAIRY SPICEBUSH	SHRUB	-5	OBL	LAURACEAE
LINDUD	5	Lindernia dubia	FALSE PIMPERNEL	A-FORB	-5	OBL	SCROPHULARIACEAE
LINDUA	5	Lindernia dubia v. anagallidea	SLENDER FALSE PIMPERNEL	A-FORB	-5	OBL	SCROPHULARIACEAE
LINBOR	10	Linnaea borealis v. americana	TWINFLOWER	SHRUB	0	FAC	CAPRIFOLIACEAE
LINMED	7	Linum medium texanum	SMALL YELLOW FLAX	P-FORB	3	FACU	LINACEAE
LINPER	*	LINUM PERENNE v. LEWISII	PERENNIAL FLAX	P-FORB	5	UPL	LINACEAE
LINSTR	8	Linum striatum	STIFF YELLOW FLAX	P-FORB	-2	FACW-	LINACEAE
LINSUL	8	Linum sulcatum	GROOVED YELLOW FLAX	P-FORB	5	UPL	LINACEAE
LINUSI	*	LINUM USITATISSIMUM	COMMON FLAX	A-FORB	5	UPL	LINACEAE
LINVIR	8	Linum virginianum	SLENDER YELLOW FLAX	P-FORB	-3	FACW	LINACEAE
LIPLIL	4	Liparis liliifolia	PURPLE TWAYBLADE	P-FORB	4	FACU-	ORCHIDACEAE
LIPLOE	8	Liparis loeselii	GREEN TWAYBLADE	P-FORB	-4	FACW+	ORCHIDACEAE
LIPMAC	10	Lipocarpha maculata	MOTTLED LIPOCARPHA	A-SEDGE	-5	OBL	CYPERACEAE
LIQSTY	6	Liquidambar styraciflua	SWEET GUM	TREE	-3	FACW	HAMAMELIDACEAE
LIRTUL	5	Liriodendron tulipifera	TULIP POPLAR	TREE	2	FACU+	MAGNOLIACEAE
LIRSPI	*	LIRIOPE SPICATA	LILYTURF	P-FORB	5	UPL	LILIACEAE
LITCAN	6	Lithospermum canescens	HOARY PUCCOON	P-FORB	5	UPL	BORAGINACEAE
LITCAR	7	Lithospermum caroliniense	HAIRY PUCCOON	P-FORB	5	UPL	BORAGINACEAE
LITINC	8	Lithospermum incisum	FRINGED PUCCOON	P-FORB	5	UPL	BORAGINACEAE
LITLAT	9	Lithospermum latifolium	AMERICAN GROMWELL	P-FORB	5	UPL	BORAGINACEAE
LITOFF	*	LITHOSPERMUM OFFICINALE	COMMON GROMWELL	P-FORB	5	UPL	BORAGINACEAE
LOBCAR	6	Lobelia cardinalis	CARDINAL FLOWER	P-FORB	-5	OBL	CAMPANULACEAE
LOBINF	4	Lobelia inflata	INDIAN TOBACCO	A-FORB	4	FACU-	CAMPANULACEAE
LOBKAL	10	Lobelia kalmii	BOG LOBELIA	P-FORB	-5	OBL	CAMPANULACEAE
LOBPUB	8	Lobelia puberula	DOWNY LOBELIA	P-FORB	-5	OBL	CAMPANULACEAE
LOBSIP	4	Lobelia siphilitica	GREAT BLUE LOBELIA	P-FORB	-4	FACW+	CAMPANULACEAE
LOBSPI	4	Lobelia spicata	PALE SPIKED LOBELIA	P-FORB	0	FAC	CAMPANULACEAE
LOBMAR	*	LOBULARIA MARITIMA	SWEET ALYSSUM	A-FORB	5	UPL	BRASSICACEAE
LOLMUL	*	LOLIUM MULTIFLORUM	ITALIAN RYE GRASS	A-GRASS	5	UPL	POACEAE
LOLPER	*	LOLIUM PERENNE	PERENNIAL RYE GRASS	P-GRASS	3	FACU	POACEAE
LOLTEM	*	LOLIUM TEMULENTUM	DARNEL	A-GRASS	5	UPL	POACEAE
LONDID	10	Lonicera dioica	LIMBER HONEYSUCKLE	W-VINE	3	FACU	CAPRIFOLIACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
LONDIG	10	Lonicera dioica v. glaucescens	RED HONEYSUCKLE	W-VINE	5	UPL	CAPRIFOLIACEAE
LONBEL	*	LONICERA ×BELLA	SHOWY FLY HONEYSUCKLE	SHRUB	3	FACU	CAPRIFOLIACEAE LONFLA
	10	Lonicera flava	YELLOW HONEYSUCKLE	W-VINE	5	UPL	CAPRIFOLIACEAE
LONHEC	*	LONICERA ×HECKROTTII	GOLD FLAME HONEYSUCKLE	W-VINE	5	UPL	CAPRIFOLIACEAE LONJAP
	*	LONICERA JAPONICA	JAPANESE HONEYSUCKLE	W-VINE	3	FACU	CAPRIFOLIACEAE
LONMAA	*	LONICERA MAACKII	AMUR HONEYSUCKLE	SHRUB	5	UPL	CAPRIFOLIACEAE
LONMIN	*	LONICERA ×MINUTIFLORA	FLY HONEYSUCKLE	SHRUB	5	UPL	CAPRIFOLIACEAE LONMOR
	*	LONICERA MORROWI	MORROW'S HONEYSUCKLE	SHRUB	5	UPL	CAPRIFOLIACEAE
LONMUE	*	LONICERA ×MUENDENIENSIS	COMMON FLY HONEYSUCKLE	SHRUB	2	FACU+	CAPRIFOLIACEAE
LONMUS	*	LONICERA ×MUSCAVIENSIS	FLY HONEYSUCKLE	SHRUB	5	UPL	CAPRIFOLIACEAE
LONNOT	*	LONICERA ×NOTHA	HYBRID FLY HONEYSUCKLE	SHRUB	5	UPL	CAPRIFOLIACEAE
LONPRO	5	Lonicera prolifera	GRAPE HONEYSUCKLE	W-VINE	5	UPL	CAPRIFOLIACEAE
LONRUP	*	LONICERA RUPRECHTIANA	MANCHURIAN HONEYSUCKLE	SHRUB	5	UPL	CAPRIFOLIACEAE
LONSEM	*	LONICERA SEMPERVIRENS	TRUMPET HONEYSUCKLE	SHRUB	1	FAC-	CAPRIFOLIACEAE
LONSTA	*	LONICERA STANDISHII	HONEYSUCKLE	SHRUB	5	UPL	CAPRIFOLIACEAE
LONTAT	*	LONICERA TATARICA	TARTARIAN HONEYSUCKLE	SHRUB	3	FACU	CAPRIFOLIACEAE
LONXYD	*	LONICERA ×XYLOSTEOIDES	FLY HONEYSUCKLE	SHRUB	5	UPL	CAPRIFOLIACEAE
LONXYM	*	LONICERA XYLOSTEUM	EUROPEAN FLY HONEYSUCKLE	SHRUB	5	UPL	CAPRIFOLIACEAE
LOTCOR	*	LOTUS CORNICULATUS	BIRDSFOOT TREFOIL	P-FORB	1	FAC-	FABACEAE
LUDALT	5	Ludwigia alternifolia	SEEDBOX	P-FORB	-5	OBL	ONAGRACEAE
LUDDEC	9	Ludwigia decurrens	ERECT PRIMROSE WILLOW	A-FORB	-5	OBL	ONAGRACEAE
LUDGLA	8	Ludwigia glandulosa	FALSE LOOSESTRIFE	P-FORB	-5	OBL	ONAGRACEAE
LUDLEP	7	Ludwigia leptocarpa	HAIRY PRIMROSE WILLOW	A-FORB	-5	OBL	ONAGRACEAE
LUDPAL	4	Ludwigia palustris v. americana	MARSH PURSLANE	P-FORB	-5	OBL	ONAGRACEAE
LUDPEP	5	Ludwigia peploides v. glabrescens	CREEPING PRIMROSE WILLOW	P-FORB	-5	OBL	ONAGRACEAE
LUDPOL	5	Ludwigia polycarpa	FALSE LOOSESTRIFE	P-FORB	-5	OBL	ONAGRACEAE
LUFCYL	*	LUFFA CYLINDRICA	LUFFA	H-VINE	5	UPL	CUCURBITACEAE
LUNANN	*	LUNARIA ANNUA	HONESTY	A-FORB	5	UPL	BRASSICACEAE
LUPPER	8	Lupinus perennis	WILD LUPINE	P-FORB	5	UPL	FABACEAE
LUZACU	10	Luzula acuminata	HAIRY WOOD RUSH	P-FORB	1	FAC-	JUNCACEAE
LUZMUM	5	Luzula multiflora	COMMON WOOD RUSH	P-FORB	3	FACU	JUNCACEAE
LUZMUE	5	Luzula multiflora v. echinata	COMMON WOOD RUSH	P-FORB	3	FACU	JUNCACEAE
LYCALB	*	LYCHNIS ALBA	WHITE CAMPION	A-FORB	5	UPL	CARYOPHYLLACEAE
LYCCHA	*	LYCHNIS CHALCEDONICA	MALTESE CROSS	P-FORB	5	UPL	CARYOPHYLLACEAE
LYCCOR	*	LYCHNIS CORONARIA	MULLEIN PINK	P-FORB	5	UPL	CARYOPHYLLACEAE
LYCDIO	*	LYCHNIS DIOICA	RED CAMPION	P-FORB	5	UPL	CARYOPHYLLACEAE
LYCBAR	*	LYCIUM BARBARUM	COMMON MATRIMONY VINE	W-VINE	5	UPL	SOLANACEAE
LYCCHI	*	LYCIUM CHINENSE	CHINESE MATRIMONY VINE	W-VINE	5	UPL	SOLANACEAE
LYCESC	*	LYCOPERSICUM ESCULENTUM	TOMATO	A-FORB	5	UPL	SOLANACEAE
LYCCLC	10	Lycopodium clavatum	RUNNING GROUND PINE	FERN	0	FAC	LYCOPODIACEAE
LYCCLM	10	Lycopodium clavatum v. megastachyon	RUNNING GROUND PINE	FERN	0	FAC	LYCOPODIACEAE
LYCDEN	10	Lycopodium dendroideum	GROUND PINE	FERN	0	FAC	LYCOPODIACEAE
LYCDIG	5	Lycopodium digitatum	TRAILING GROUND PINE	FERN	5	UPL	LYCOPODIACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
LYCHAB	10	Lycopodium ×habereri	HYBRID GROUND PINE	FERN	5	UPL	LYCOPODIACEAE LYCINU
	10	Lycopodium inundatum	BOG CLUB MOSS	FERN	-5	OBL	LYCOPODIACEAE
LYCLUC	10	Lycopodium lucidulum	SHINING CLUB MOSS	FERN	-1	FAC+	LYCOPODIACEAE
LYCPOR	10	Lycopodium porophilum	CLIFF CLUB MOSS	FERN	4	FACU-	LYCOPODIACEAE
LYCAME	3	Lycopus americanus	COMMON WATER HOREHOUND	P-FORB	-5	OBL	LAMIACEAE
LYCASP	*	LYCOPUS ASPER	ROUGH WATER HOREHOUND	P-FORB	-5	OBL	LAMIACEAE
LYCEUR	*	LYCOPUS EUROPAEUS	EUROPEAN WATER HOREHOUND	P-FORB	-5	OBL	LAMIACEAE
LYCRUB	8	Lycopus rubellus	STALKED WATER HOREHOUND	P-FORB	-5	OBL	LAMIACEAE
LYCUNI	7	Lycopus uniflorus	NOTHERN BUGLE WEED	P-FORB	-5	OBL	LAMIACEAE
LYCVIR	5	Lycopus virginicus	BUGLE WEED	P-FORB	-5	OBL	LAMIACEAE
LYCRAD	*	LYCORIS RADIATA	SURPRISE LILY	P-FORB	5	UPL	LILIACEAE
LYSCIL	4	Lysimachia ciliata	FRINGED LOOSESTRIFE	P-FORB	-3	FACW	PRIMULACEAE
LYSCLE	*	LYSIMACHIA CLETHROIDES	WHITE LOOSESTRIFE	P-FORB	5	UPL	PRIMULACEAE
LYSCOM	7	Lysimachia ×commixta	HYBRID LOOSESTRIFE	P-FORB	-5	OBL	PRIMULACEAE
LYSFRA	10	Lysimachia fraseri	FRASER'S LOOSESTRIFE	P-FORB	0	FAC	PRIMULACEAE
LYSHYB	7	Lysimachia hybrida	LOOSESTRIFE	P-FORB	-5	OBL	PRIMULACEAE
LYSLAN	6	Lysimachia lanceolata	LANCE-LEAVED LOOSESTRIFE	P-FORB	0	FAC	PRIMULACEAE
LYSNUM	*	LYSIMACHIA NUMMULARIA	MONEYWORT	P-FORB	-4	FACW+	PRIMULACEAE
LYSPUN	*	LYSIMACHIA PUNCTATA	DOTTED LOOSESTRIFE	P-FORB	-5	OBL	PRIMULACEAE
LYSQUR	8	Lysimachia quadriflora	NARROW-LEAVED LOOSESTRIFE	P-FORB	-5	OBL	PRIMULACEAE
LYSQUL	9	Lysimachia quadrifolia	WHORLED LOOSESTRIFE	P-FORB	5	UPL	PRIMULACEAE
LYSRAD	10	Lysimachia radicans	CREEPING LOOSESTRIFE	P-FORB	-5	OBL	PRIMULACEAE
LYSTER	8	Lysimachia terrestris	SWAMP CANDLES	P-FORB	-5	OBL	PRIMULACEAE
LYSTHY	7	Lysimachia thyrsiflora	TUFTED LOOSESTRIFE	P-FORB	-5	OBL	PRIMULACEAE
LYSVUL	*	LYSIMACHIA VULGARIS	GARDEN LOOSESTRIFE	P-FORB	-2	FACW-	PRIMULACEAE
LYTALA	5	Lythrum alatum	WINGED LOOSESTRIFE	P-FORB	-5	OBL	LYTHRACEAE
LYTSAL	*	LYTHRUM SALICARIA	PURPLE LOOSESTRIFE	P-FORB	-5	OBL	LYTHRACEAE
MACCOR	*	MACLEAYA CORDATA	PLUME POPPY	A-FORB	5	UPL	PAPAVERACEAE
MACPOM	*	MACLURA POMIFERA	HEDGE APPLE	TREE	3	FACU	MORACEAE
MAGACU	8	Magnolia acuminata	CUCUMBER MAGNOLIA	TREE	5	UPL	MAGNOLIACEAE
MAICAC	10	Maianthemum canadense	CANADA MAYFLOWER	P-FORB	0	FAC	LILIACEAE
MAICAI	9	Maianthemum canadense v. interius	WILD LILY-OF-THE-VALLEY	P-FORB	0	FAC	LILIACEAE
MALBRA	10	Malaxis brachypoda	WHITE ADDER'S MOUTH	P-FORB	5	UPL	ORCHIDACEAE
MALUNI	10	Malaxis unifolia	GREEN ADDER'S MOUTH	P-FORB	0	FAC	ORCHIDACEAE
MALAFR	*	MALCOLMIA AFRICANA	AFRICAN MALCOMIA	A-FORB	5	UPL	BRASSICACEAE
MALANG	10	Malus angustifolia	NARROW-LEAVED CRAB	TREE	5	UPL	ROSACEAE
MALBAC	*	MALUS BACCATA	SIBERIAN CRAB	TREE	5	UPL	ROSACEAE
MALCOR	5	Malus coronaria	WILD SWEET CRAB	TREE	3	FACU	ROSACEAE
MALIOE	3	Malus ioensis	IOWA CRAB	TREE	5	UPL	ROSACEAE
MALPRU	*	MALUS PRUNIFOLIA	PLUM-LEAVED CRAB	TREE	5	UPL	ROSACEAE
MALPUM	*	MALUS PUMILA	APPLE	TREE	5	UPL	ROSACEAE
MALOUL	*	MALUS ×SOULARDII	SOULARD CRAB APPLE	TREE	5	UPL	ROSACEAE
MALSIE	*	MALUS SIEBOLDII	JAPANESE CRAB	TREE	5	UPL	ROSACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
MALALC	*	MALVA ALCEA	VERVAIN MALLOW	P-FORB	5	UPL	MALVACEAE
MALMOS	*	MALVA MOSCHATA	MUSK MALLOW	P-FORB	5	UPL	MALVACEAE
MALNEG	*	MALVA NEGLECTA	CHEESES	B-FORB	5	UPL	MALVACEAE
MALROT	*	MALVA ROTUNDIFOLIA	DWARF MALLOW	B-FORB	5	UPL	MALVACEAE
MALSYL	*	MALVA SYLVESTRIS	HIGH MALLOW	B-FORB	5	UPL	MALVACEAE
MALVER	*	MALVA VERTICILLATA v. CRISPA	CURLED MALLOW	A-FORB	5	UPL	MALVACEAE
MANVIR	8	Manfreda virginica	FALSE ALOE	P-FORB	5	UPL	LILIACEAE
MARVUL	*	MARRUBIUM VULGARE	COMMON HOREHOUND	P-FORB	0	FAC	LAMIACEAE
MARQUA	*	MARSILEA QUADRIFOLIA	WATER CLOVER	P-FORB	-5	OBL	MARSILEACEAE
MATDEC	5	Matelea decipiens	CLIMBING MILKWEED	H-VINE	5	UPL	ASCLEPIADACEAE
MATGON	8	Matelea gonocarpa	CLIMBING MILKWEED	H-VINE	5	UPL	ASCLEPIADACEAE
MATOBL	10	Matelea obliqua	CLIMBING MILKWEED	H-VINE	5	UPL	ASCLEPIADACEAE
MATCHA	*	MATRICARIA CHAMOMILLA	GERMAN CHAMOMILE	A-FORB	5	UPL	ASTERACEAE
MATMAT	*	MATRICARIA MATRICARIOIDES	PINEAPPLE WEED	A-FORB	3	FACU	ASTERACEAE
MATPER	*	MATRICARIA PERFORATA	SCENTLESS CHAMOMILE	A-FORB	5	UPL	ASTERACEAE
MATSTR	9	Matteuccia struthiopteris	OSTRICH FERN	FERN	-3	FACW	ASPLENIACEAE
MATINC	*	MATTHIOLA INCANA	STOCK	A-FORB	5	UPL	BRASSICACEAE
MAZPUM	*	MAZUS PUMILUS	ANNUAL MAZUS	A-FORB	5	UPL	SCROPHULARIACEAE
MECACU	7	Mecardonia acuminata	WATER HYSSOP	P-FORB	-5	OBL	SCROPHULARIACEAE
MEDVIR	10	Medeola virginiana	INDIAN CUCUMBER ROOT	P-FORB	5	UPL	LILIACEAE
MEDARA	*	MEDICAGO ARABICA	SPOTTED MEDIC	A-FORB	5	UPL	FABACEAE
MEDFAL	*	MEDICAGO FALCATA	SICKLE ALFALFA	P-FORB	5	UPL	FABACEAE
MEDLUP	*	MEDICAGO LUPULINA	BLACK MEDICK	A-FORB	1	FAC-	FABACEAE
MEDORB	*	MEDICAGO ORBICULARIS	ROUND MEDICK	A-FORB	5	UPL	FABACEAE
MEDSAT	*	MEDICAGO SATIVA	ALFALFA	P-FORB	5	UPL	FABACEAE
MEDVAR	*	MEDICAGO ×VARIA	HYBRID ALFALFA	P-FORB	5	UPL	FABACEAE
MEGBEC	10	Megalodonta beckii	WATER MARIGOLD	P-FORB	-5	OBL	ASTERACEAE
MELLIN	10	Melampyrum lineare v. latifolium	COW WHEAT	A-FORB	1	FAC-	SCROPHULARIACEAE
MELNIV	10	Melanthera nivea	WHITE MELANTHERA	P-FORB	3	FACU	ASTERACEAE
MELVIR	10	Melanthium virginicum	BUNCH FLOWER	P-FORB	-4	FACW+	LILIACEAE
MELMUT	8	Melica mutica	NARROW MELIC GRASS	P-GRASS	5	UPL	POACEAE
MELNIT	7	Melica nitens	TALL MELIC GRASS	P-GRASS	5	UPL	POACEAE
MELALB	*	MELILOTUS ALBA	WHITE SWEET CLOVER	B-FORB	3	FACU	FABACEAE
MELALT	*	MELILOTUS ALTISSIMA	TALL SWEET CLOVER	B-FORB	5	UPL	FABACEAE
MELOFC	*	MELILOTUS OFFICINALIS	YELLOW SWEET CLOVER	B-FORB	3	FACU	FABACEAE
MELOFN	*	MELISSA OFFICINALIS	COMMON BALM	P-FORB	5	UPL	LAMIACEAE
MELCOR	*	MELOCHIA CORCHORIFOLIA	CHOCOLATE WEED	A-FORB	5	UPL	STERCULIACEAE
MELPEN	6	Melothria pendula	CREEPING CUCUMBER	P-FORB	1	FAC-	CUCURBITACEAE
MENCAN	4	Menispermum canadense	MOONSEED	W-VINE	-1	FAC+	MENISPERMACEAE
MENARV	4	Mentha arvensis v. villosa	WILD MINT	P-FORB	-3	FACW	LAMIACEAE
MENCIT	*	MENTHA ×CITRATA	HYBRID LEMON MINT	P-FORB	-5	OBL	LAMIACEAE
MENCRI	*	MENTHA CRISPA	CURLY MINT	P-FORB	-4	FACW+	LAMIACEAE
MENGEN	*	MENTHA ×GENTILIS	LITTLE-LEAVED MINT	P-FORB	-4	FACW+	LAMIACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
MENPIP	*	MENTHA ×PIPERITA	PEPPERMINT	P-FORB	-5	OBL	LAMIACEAE
MENROT	*	MENTHA ×ROTUNDIFOLIA	APPLE MINT	P-FORB	-4	FACW+	LAMIACEAE
MENSPI	*	MENTHA SPICATA	SPEARMINT	P-FORB	-4	FACW+	LAMIACEAE
MENSUA	*	MENTHA SUAVEOLENS	SWEET APPLE MINT	P-FORB	5	UPL	LAMIACEAE
MENVER	*	MENTHA ×VERTICILLATA	WHORLED MINT	P-FORB	-4	FACW+	LAMIACEAE
MENVIL	*	MENTHA ×VILLOSA	FOXTAIL MINT	P-FORB	-4	FACW+	LAMIACEAE
MENDEC	*	MENTZELIA DECAPETALA	SAND LILY	P-FORB	5	UPL	LOASACEAE
MENNUD	*	MENTZELIA NUDA	LARGE-FLOWERED MENTZELIA	P-FORB	5	UPL	LOASACEAE
MENOLI	10	Mentzelia oligosperma	STICKLEAF	P-FORB	5	UPL	LOASACEAE
MENTRI	10	Menyanthes trifoliata v. minor	BUCKBEAN	P-FORB	-5	OBL	MENYANTHACEAE
MERVIR	5	Mertensia virginica	VIRGINIA BLUEBELLS	P-FORB	-3	FACW	BORAGINACEAE
MICVIM	*	MICROSTEGIUM VIMINEUM	EULALIA	A-GRASS	0	FAC	POACEAE
MICGRA	*	MICROSTERIS GRACILIS	MICROSTERIS	A-FORB	5	UPL	POLEMONIACEAE
MIKSCA	9	Mikania scandens	CLIMBING HEMPWEED	P-FORB	-5	OBL	ASTERACEAE
MILEFF	10	Milium effusum	WOOD MILLET	P-GRASS	2	FACU+	POACEAE
MIMALA	6	Mimulus alatus	WINGED MONKEY FLOWER	P-FORB	-5	OBL	SCROPHULARIACEAE
MIMGLA	9	Mimulus glabratus v. fremontii	YELLOW MONKEY FLOWER	P-FORB	-5	OBL	SCROPHULARIACEAE
MIMRIN	5	Mimulus ringens	MONKEY FLOWER	P-FORB	-5	OBL	SCROPHULARIACEAE
MINPAT	8	Minuartia patula	SLENDER SANDWORT	A-FORB	5	UPL	CARYOPHYLLACEAE
MINSTR	10	Minuartia stricta	ROCK SANDWORT	P-FORB	5	UPL	CARYOPHYLLACEAE
MIRALB	*	MIRABILIS ALBIDA	PALE UMBRELLAWORT	P-FORB	5	UPL	NYCTAGINACEAE
MIRHIR	5	Mirabilis hirsuta	HAIRY UMBRELLAWORT	P-FORB	5	UPL	NYCTAGINACEAE
MIRJAL	*	MIRABILIS JALAPA	FOUR O'CLOCK	P-FORB	5	UPL	NYCTAGINACEAE
MIRLIN	*	MIRABILIS LINEARIS	NARROW-LEAVED UMBRELLAWORT	P-FORB	5	UPL	NYCTAGINACEAE
MIRNYC	*	MIRABILIS NYCTAGINEA	WILD FOUR O'CLOCK	P-FORB	5	UPL	NYCTAGINACEAE
MISSAC	*	MISCANTHUS SACCHARIFLORUS	SILVER GRASS	P-GRASS	5	UPL	POACEAE
MISSIN	*	MISCANTHUS SINENSIS	CHINESE SILVER GRASS	P-GRASS	5	UPL	POACEAE
MISORO	*	MISOPATES ORONTIUM	LESSER SNAPDRAGON	A-FORB	5	UPL	SCROPHULARIACEAE
MITREP	8	Mitchella repens	PARTRIDGE BERRY	SHRUB	2	FACU+	RUBIACEAE
MITDIP	9	Mitella diphylla	BISHOP'S CAP	P-FORB	2	FACU+	SAXIFRAGACEAE
MOELAT	7	Moehringia lateriflora	BLUNT-LEAF SANDWORT	P-FORB	3	FACU	CARYOPHYLLACEAE
MOEERE	*	MOENCHIA ERECTA	CARYOPHYLLACEAE	5		UPL	A-FORB
MOLVER	*	MOLLUGO VERTICILLATA	CARPET WEED	A-FORB	0	FAC	AIZOACEAE
MONBRA	5	Monarda bradburiana	MONARDA	P-FORB	5	UPL	LAMIACEAE
MONCIT	*	MONARDA CITRIODORA	LEMON MINT	P-FORB	5	UPL	LAMIACEAE
MONCLI	7	Monarda clinopodia	BASIL BEE BALM	P-FORB	5	UPL	LAMIACEAE
MONDID	*	MONARDA DIDYMA	OSWEGO TEA	P-FORB	5	UPL	LAMIACEAE
MONFIS	4	Monarda fistulosa	WILD BERGAMOT	P-FORB	3	FACU	LAMIACEAE
MONPUN	5	Monarda punctata	HORSEMINT	P-FORB	5	UPL	LAMIACEAE
MONNUT	*	MONOLEPIS NUTTALLIANA	POVERTY WEED	A-FORB	5	UPL	CHENOPODIACEAE
MONHYP	8	Monotropa hypopithys	PINESAP	P-FORB	5	UPL	PYROLACEAE
MONUNI	8	Monotropa uniflora	INDIAN PIPE	P-FORB	3	FACU	PYROLACEAE
MORALB	*	MORUS ALBA	WHITE MULBERRY	TREE	0	FAC	MORACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
MORRUB	4	Morus rubra	RED MULBERRY	TREE	1	FAC-	MORACEAE
MUHASP	*	MUHLENBERGIA ASPERIFOLIA	SCRATCH GRASS	P-GRASS	-3	FACW	POACEAE
MUHBUS	6	Muhlenbergia bushii	SHORT-LEAVED SATIN GRASS	P-GRASS	5	UPL	POACEAE
MUHCAP	8	Muhlenbergia capillaris	HAIR GRASS	P-GRASS	3	FACU	POACEAE
MUHCUS	10	Muhlenbergia cuspidata	PRAIRIE SATIN GRASS	P-GRASS	5	UPL	POACEAE
MUHFRO	3	Muhlenbergia frondosa	COMMON SATIN GRASS	P-GRASS	-3	FACW	POACEAE
MUHGLA	7	Muhlenbergia glabriflora	SMOOTH SATIN GRASS	P-GRASS	5	UPL	POACEAE
MUHGLO	10	Muhlenbergia glomerata	MARSH WILD TIMOTHY	P-GRASS	-5	OBL	POACEAE
MUHMEX	4	Muhlenbergia mexicana	LEAFY SATIN GRASS	P-GRASS	-3	FACW	POACEAE
MUHRAC	0	Muhlenbergia racemosa	UPLAND WILD TIMOTHY	P-GRASS	-3	FACW	POACEAE
MUHSCH	0	Muhlenbergia schreberi	NIMBLEWILL	P-GRASS	0	FAC	POACEAE
MUHSOB	5	Muhlenbergia sobolifera	ROCK SATIN GRASS	P-GRASS	5	UPL	POACEAE
MUHSYL	7	Muhlenbergia sylvatica	WOODLAND SATIN GRASS	P-GRASS	-3	FACW	POACEAE
MUHTEN	6	Muhlenbergia tenuiflora	SLENDER SATIN GRASS	P-GRASS	5	UPL	POACEAE
MUSARM	*	MUSCARI ARMENIACUM	GRAPE HYACINTH	P-FORB	5	UPL	LILIACEAE
MUSATL	*	MUSCARI ATLANTICUM	BLUE BOTTLE	P-FORB	5	UPL	LILIACEAE
MUSBOT	*	MUSCARI BOTRYOIDES	COMMON GRAPE HYACINTH	P-FORB	5	UPL	LILIACEAE
MUSCOM	*	MUSCARI COMOSUM	GRAPE HYACINTH	P-FORB	5	UPL	LILIACEAE
MYOARV	*	MYOSOTIS ARVENSIS	FIELD SCORPION GRASS	B-FORB	0	FAC	BORAGINACEAE
MYOMAC	4	Myosotis macrosperma	SCORPION GRASS	A-FORB	0	FAC	BORAGINACEAE
MYOSCO	*	MYOSOTIS SCORPIOIDES	COMMON FORGET-ME-NOT	P-FORB	-5	OBL	BORAGINACEAE
MYOSTR	*	MYOSOTIS STRICTA	SMALL-FLOWERED FORGET-ME-NOT	A-FORB	5	UPL	BORAGINACEAE
MYOSYL	*	MYOSOTIS SYLVATICA	WOODLAND FORGET-ME-NOT	P-FORB	5	UPL	BORAGINACEAE
MYOVER	3	Myosotis verna	WHITE FORGET-ME-NOT	A-FORB	1	FAC-	BORAGINACEAE
MYOAQU	*	MYOSOTON AQUATICUM	GIANT CHICKWEED	P-FORB	-1	FAC+	CARYOPHYLLACEAE
MYOMIN	0	Myosurus minimus	MOUSETAIL	A-FORB	-3	FACW	RANUNCULACEAE
MYREXA	6	Myriophyllum exalbascens	SPIKED WATER MILFOIL	P-FORB	-5	OBL	HALORAGIDACEAE
MYRHET	10	Myriophyllum heterophyllum	VARIOUS-LEAVED WATER MILFOIL	P-FORB	-5	OBL	HALORAGIDACEAE
MYRHIP	10	Myriophyllum hippuroides	MARE'S TAIL MILFOIL	P-FORB	-5	OBL	HALORAGIDACEAE
MYRPIN	9	Myriophyllum pinnatum	ROUGH WATER MILFOIL	P-FORB	-5	OBL	HALORAGIDACEAE
MYRSPI	*	MYRIOPHYLLUM SPICATUM	EUROPEAN WATER MILFOIL	P-FORB	-5	OBL	HALORAGIDACEAE
MYRVER	9	Myriophyllum verticillatum v. pectinatum	WHORLED WATER MILFOIL	P-FORB	-5	OBL	HALORAGIDACEAE
NAJFLE	5	Najas flexilis	COMMON NAIAD	A-FORB	-5	OBL	NAJADACEAE
NAJGRA	7	Najas gracillima	SLENDER NAIAD	A-FORB	-5	OBL	NAJADACEAE
NAJGUA	5	Najas guadalupensis	SOUTHERN NAIAD	A-FORB	-5	OBL	NAJADACEAE
NAJMAR	*	NAJAS MARINA	SPINY NAIAD	A-FORB	-5	OBL	NAJADACEAE
NAJMIN	*	NAJAS MINOR	LESSER NAIAD	A-FORB	-5	OBL	NAJADACEAE
NAPDIO	4	Napaea dioica	GLADE MALLOW	P-FORB	-2	FACW-	MALVACEAE
NARMED	*	NARCISSUS ×MEDIOLUTEUS	PRIMROSE PEERLESS	P-FORB	5	UPL	LILIACEAE
NARPEO	*	NARCISSUS POETICUS	POET'S NARCISSUS	P-FORB	5	UPL	LILIACEAE
NARPSE	*	NARCISSUS PSEUDONARCISSUS	DAFFODIL	P-FORB	5	UPL	LILIACEAE
NASOFF	*	NASTURTIUM OFFICINALE	WATER CRESS	P-FORB	-5	OBL	BRASSICACEAE
NELLUT	5	Nelumbo lutea	AMERICAN LOTUS	P-FORB	-5	OBL	NELUMBONACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
NEMMUC	10	Nemopanthus mucronatus	MOUNTAIN HOLLY	SHRUB	-5	OBL	AQUIFOLIACEAE
NEPCAT	*	NEPETA CATARIA	CATNIP	P-FORB	1	FAC-	LAMIACEAE
NESPAN	*	NESLIA PANICULATA	BALL MUSTARD	A-FORB	5	UPL	BRASSICACEAE
NICPHY	*	NICANDRA PHYSALODES	APPLE-OF-PERU	A-FORB	5	UPL	SOLANACEAE
NICLON	*	NICOTIANA LONGIFLORA	LONG-FLOWERED TOBACCO	A-FORB	5	UPL	SOLANACEAE
NICRUS	*	NICOTIANA RUSTICA	WILD TOBACCO	A-FORB	5	UPL	SOLANACEAE
NIGDAM	*	NIGELLA DAMASCENA	LOVE-IN-A-MIST	A-FORB	5	UPL	RANUNCULACEAE
NOTCUS	9	Nothocalais cuspidata	PRAIRIE DANDELION	P-FORB	5	UPL	ASTERACEAE
NOTBIV	5	Nothoscordum bivalve	CROW POISON	P-FORB	5	UPL	LILIACEAE
NUPLUM	6	Nuphar luteum sp. macrophyllum	SPATTERDOCK	P-FORB	-5	OBL	NYMPHAEACEAE
NUPLUV	8	Nuphar luteum sp. variegatum	BULLHEAD LILLY	P-FORB	-5	OBL	NYMPHAEACEAE
NYMODO	6	Nymphaea odorata	FRAGRANT WATER LILY	P-FORB	-5	OBL	NYMPHAEACEAE
NYMPEL	*	NYMPHOIDES PELTATA	YELLOW FLOATING HEART	P-FORB	-5	OBL	MENYANTHACEAE
NYSAQU	10	Nyssa aquatica	SWAMP TUPELO	TREE	-5	OBL	NYSSACEAE
NYSSYL	7	Nyssa sylvatica	BLACK GUM	TREE	5	UPL	NYSSACEAE
OBOVIR	8	Obolaria virginica	PENNYWORT	P-FORB	5	UPL	GENTIANACEAE
OCIBAS	*	OCIMUM BASILICUM	BASIL	A-FORB	5	UPL	LAMIACEAE
OENBIB	1	Oenothera biennis	COMMON EVENING PRIMROSE	B-FORB	3	FACU	ONAGRACEAE
OENBIC	1	Oenothera biennis v. canescens	COMMON EVENING PRIMROSE	B-FORB	3	FACU	ONAGRACEAE
OENFRF	9	Oenothera fruticosa	SHRUBBY SUNDROPS	P-FORB	2	FACU+	ONAGRACEAE
OENFRG	9	Oenothera fruticosa v. glauca	GLANDULAR SUNDROPS	P-FORB	2	FACU+	ONAGRACEAE
OENLAC	2	Oenothera laciniata	RAGGED EVENING PRIMROSE	A-FORB	3	FACU	ONAGRACEAE
OENLIN	8	Oenothera linifolia	THREAD-LEAVED SUNDROPS	A-FORB	5	UPL	ONAGRACEAE
OENMAC	*	OENOTHERA MACROCARPA	MISSOURI PRIMROSE	P-FORB	5	UPL	ONAGRACEAE
OENNUT	*	OENOTHERA NUTTALLII	WHITE EVENING PRIMROSE	P-FORB	5	UPL	ONAGRACEAE
OENPAR	*	OENOTHERA PARVIFLORA	EVENING PRIMROSE	B-FORB	4	FACU-	ONAGRACEAE
OENPER	8	Oenothera perennis	SMALL SUNDROPS	P-FORB	0	FAC	ONAGRACEAE
OENPIL	6	Oenothera pilosella	PRAIRIE SUNDROPS	P-FORB	1	FAC-	ONAGRACEAE
OENRHO	5	Oenothera rhombipetala	SAND PRIMROSE	B-FORB	3	FACU	ONAGRACEAE
OENSPE	*	OENOTHERA SPECIOSA	SHOWY EVENING PRIMROSE	P-FORB	5	UPL	ONAGRACEAE
OENTRI	*	OENOTHERA TRILOBA	EVENING PRIMROSE	B-FORB	5	UPL	ONAGRACEAE
ONOVIC	*	ONOBRYCHIS VICIAEFOLIA	SAINFOIN	A-FORB	5	UPL	FABACEAE
ONOSEN	5	Onoclea sensibilis	SENSITIVE FERN	FERN	-3	FACW	ASPLENIACEAE
ONOSPI	*	ONONIS SPINOSA	REST HARROW	A-FORB	5	UPL	FABACEAE
ONOACA	*	ONOPORDUM ACANTHIUM	SCOTCH COTTON THISTLE	B-FORB	5	UPL	ASTERACEAE
ONOHIS	5	Onosmodium hispidissimum	ROUGH MARBLESEED	P-FORB	5	UPL	BORAGINACEAE
ONOMOM	10	Onosmodium molle	DOWNY MARBLESEED	P-FORB	5	UPL	BORAGINACEAE
ONOMOO	8	Onosmodium molle v. occidentale	DOWNY MARBLESEED	P-FORB	5	UPL	BORAGINACEAE
OPHENG	9	Ophioglossum engelmannii	CLIFF ADDER'S TONGUE FERN	FERN	4	FACU-	OPHIOGLOSSACEAE
OPHVPS	6	Ophioglossum vulgatum v. pseudopodum	NORTHERN ADDER'S TONGUE FERN	FERN	-3	FACW	OPHIOGLOSSACEAE
OPHVPY	7	Ophioglossum vulgatum v. pycnostichum	NORTHERN ADDER'S TONGUE FERN	FERN	-3	FACW	OPHIOGLOSSACEAE
OPUFRA	9	Opuntia fragilis	FRAGILE PRICKLEY PEAR	SHRUB	5	UPL	CACTACEAE
OPUHUM	5	Opuntia humifusa	EASTERN PRICKLY-PEAR	SHRUB	5	UPL	CACTACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
OPUMAC	8	Opuntia macrorhiza	PLAINS PRICKLY-PEAR	SHRUB	5	UPL	CACTACEAE
ORIVUL	*	ORIGANUM VULGARE	OREGANO	P-FORB	5	UPL	LAMIACEAE
ORNNUT	*	ORNITHOGALUM NUTANS	NODDING STAR OF BETHLEHEM	P-FORB	5	UPL	LILIACEAE
ORNUMB	*	ORNITHOGALUM UMBELLATUM	COMMON STAR OF BETHLEHEM	P-FORB	1	FAC-	LILIACEAE
OROFAS	10	Orobanche fasciculata	CLUSTERED BROOM RAPE	P-FORB	5	UPL	OROBANCHACEAE
OROLUD	10	Orobanche ludoviciana	SOUTHERN BROOM RAPE	P-FORB	5	UPL	OROBANCHACEAE
ORORAM	*	OROBANCHE RAMOSA	BRANCHED BROOM RAPE	P-FORB	5	UPL	OROBANCHACEAE
OROUNI	8	Orobanche uniflora	CANCER-ROOT	P-FORB	5	UPL	OROBANCHACEAE
ORTSEC	10	Orthilia secunda	ONE-SIDED SHINLEAF	P-FORB	-1	FAC+	PYROLACEAE
ORYASP	10	Oryzopsis asperifolia	ROUGH-LEAVED RICE GRASS	P-GRASS	5	UPL	POACEAE
ORYPUN	10	Oryzopsis pungens	SHORT-HORNED RICE GRASS	P-GRASS	5	UPL	POACEAE
ORYRAC	8	Oryzopsis racemosa	BLACK-SEEDED RICE GRASS	P-GRASS	5	UPL	POACEAE
OSMCLI	3	Osmorhiza claytonii	HAIRY SWEET CICELY	P-FORB	4	FACU-	APIACEAE
OSMLON	3	Osmorhiza longistylis	ANISE ROOT	P-FORB	4	FACU-	APIACEAE
OSMCIN	9	Osmunda cinnamomea	CINNAMON FERN	FERN	-3	FACW	OSMUNDACEAE
OSMCLN	9	Osmunda claytoniana	INTERRUPTED FERN	FERN	-1	FAC+	OSMUNDACEAE
OSMREG	8	Osmunda regalis v. spectabilis	REGAL FERN	FERN	-5	OBL	OSMUNDACEAE
OSTVIR	4	Ostrya virginiana	HOP HORNBEAM	TREE	4	FACU-	CORYLACEAE
OXACOR	*	OXALIS CORNICULATA	CREEPING WOOD SORREL	P-FORB	3	FACU	OXALIDACEAE
OXADIL	0	Oxalis dillenii	COMMON WOOD SORREL	P-FORB	3	FACU	OXALIDACEAE
OXAILL	10	Oxalis illinoensis	ILLINOIS WOOD SORREL	P-FORB	5	UPL	OXALIDACEAE
OXASTR	0	Oxalis stricta	TALL WOOD SORREL	P-FORB	3	FACU	OXALIDACEAE
OXAVIO	5	Oxalis violacea	VIOLET WOOD SORREL	P-FORB	5	UPL	OXALIDACEAE
OXYARB	*	OXYDENDRUM ARBOREUM	SOURWOOD	TREE	3	FACU	ERICACEAE
OXYRIG	7	Oxypolis rigidior	COWBANE	P-FORB	-5	OBL	APIACEAE
PACTER	*	PACHYSANDRA TERMINALIS	JAPANESE SPURGE	SHURB	5	UPL	BUXACEAE
PANQUI	7	Panax quinquefolius	GINSENG	P-FORB	5	UPL	ARALIACEAE
PANANC	3	Panicum anceps	BEAKED PANIC GRASS	P-GRASS	-3	FACW	POACEAE
PANAUB	10	Panicum auburne	RED-BROWN PANIC GRASS	P-GRASS	2	FACU+	POACEAE
PANBOR	10	Panicum boreale	NORTHERN PANIC GRASS	P-GRASS	2	FACU+	POACEAE
PANBOB	5	Panicum boscii	BEARDED BROAD-LEAVED PANIC GRASS	P-GRASS	5	UPL	POACEAE
PANBOM	5	Panicum boscii v. molle	LARGE-FRUITED PANIC GRASS	P-GRASS	5	UPL	POACEAE
PANCAP	0	Panicum capillare	OLD WITCH GRASS	A-GRASS	0	FAC	POACEAE
PANCLA	4	Panicum clandestinum	DEER-TONGUE GRASS	P-GRASS	-3	FACW	POACEAE
PANCOL	10	Panicum columbianum	HEMLOCK PANIC GRASS	P-GRASS	5	UPL	POACEAE
PANCOC	7	Panicum commutatum	PANIC GRASS	P-GRASS	0	FAC	POACEAE
PANCOA	7	Panicum commutatum v. ashei	ASHE'S PANIC GRASS	P-GRASS	0	FAC	POACEAE
PANDEP	7	Panicum depauperatum	STARVED PANIC GRASS	P-GRASS	5	UPL	POACEAE
PANDII	0	Panicum dichotomiflorum	FALL PANICUM	A-GRASS	-2	FACW-	POACEAE
PANDIU	6	Panicum dichotomum	FORKED PANIC GRASS	P-GRASS	1	FAC-	POACEAE
PANFLE	7	Panicum flexile	SLENDER PANIC GRASS	A-GRASS	-4	FACW+	POACEAE
PANGAT	5	Panicum gattingeri	GATTINGER'S PANIC GRASS	A-GRASS	0	FAC	POACEAE
PANHIA	5	Panicum hians	PANIC GRASS	P-GRASS	-5	OBL	POACEAE

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PANIMP	2	Panicum implicatum	OLD FIELD PANIC GRASS	P-GRASS	0	FAC	POACEAE
PANJOO	10	Panicum joori	JOOR'S PANIC GRASS	P-GRASS	5	UPL	POACEAE
PANLAT	5	Panicum latifolium	BROAD-LEAVED PANIC GRASS	P-GRASS	3	FACU	POACEAE
PANLAX	5	Panicum laxiflorum	LOOSE-FLOWERED PANIC GRASS	P-GRASS	1	FAC-	POACEAE
PANLEI	7	Panicum leibergii	PRAIRIE PANIC GRASS	P-GRASS	2	FACU+	POACEAE
PANLID	4	Panicum lindheimeri	SMOOTH WOOLLY PANIC GRASS	P-GRASS	2	FACU+	POACEAE
PANLIE	7	Panicum linearifolium	SLENDER-LEAVED PANIC GRASS	P-GRASS	5	UPL	POACEAE
PANLON	10	Panicum longifolium	LONG-LEAVED PANIC GRASS	P-GRASS	5	OBL	POACEAE
PANMAL	10	Panicum malacophyllum	SOFT-LEAVED PANIC GRASS	P-GRASS	5	UPL	POACEAE
PANMAT	5	Panicum mattamuskeetense	FALSE BEARDED PANIC GRASS	P-GRASS	5	UPL	POACEAE
PANMER	7	Panicum meridionale	MAT PANIC GRASS	P-GRASS	5	UPL	POACEAE
PANMIC	6	Panicum microcarpon	SMALL-FRUITED PANIC GRASS	P-GRASS	5	UPL	POACEAE
PANMIL	*	PANICUM MILIACEUM	BROOM-CORN MILLET	A-GRASS	0	FAC	POACEAE
PANOLH	5	Panicum oligosanthes v. helleri	HELLER'S PANIC GRASS	P-GRASS	3	FACU	POACEAE
PANOLS	3	Panicum oligosanthes v. scribnerianum	SCRIBNER'S PANIC GRASS	P-GRASS	3	FACU	POACEAE
PANPER	9	Panicum perlongum	LONG-STALKED PANIC GRASS	P-GRASS	5	UPL	POACEAE
PANPHI	5	Panicum philadelphicum	PHILADELPHIA PANIC GRASS	A-GRASS	5	UPL	POACEAE
PANPOL	6	Panicum polyanthes	SMALL-FRUITED PANIC GRASS	P-GRASS	5	UPL	POACEAE
PANPRA	7	Panicum praecocius	EARLY WHITE-HAIRED PANIC GRASS	P-GRASS	5	UPL	POACEAE
PANRAV	10	Panicum ravenelii	RAVENEL'S PANIC GRASS	P-GRASS	0	FAC	POACEAE
PANRIR	6	Panicum rigidulum	MUNRO GRASS	P-GRASS	-3	FACW	POACEAE
PANRIC	6	Panicum rigidulum v. condensum	MUNRO GRASS	P-GRASS	-3	FACW	POACEAE
PANSCO	6	Panicum scoparium	BROOM PANIC GRASS	P-GRASS	-3	FACW	POACEAE
PANSPH	7	Panicum sphaerocarpon	ROUND-FRUITED PANIC GRASS	P-GRASS	3	FACU	POACEAE
PANSTI	5	Panicum stipitatum	STALK-FRUITED PANIC GRASS	P-GRASS	-3	FACW	POACEAE
PANVIV	5	Panicum villosissimum	WHITE-HAIRED PANIC GRASS	P-GRASS	5	UPL	POACEAE
PANVIP	5	Panicum villosissimum v. pseudopubescens	FALSE WHITE-HAIRED PANIC GRASS	P-GRASS	5	UPL	POACEAE
PANVIR	4	Panicum virgatum	PRAIRIE SWITCH GRASS	P-GRASS	-1	FAC+	POACEAE
PANWIL	10	Panicum wilcoxianum	WILCOX'S PANIC GRASS	P-GRASS	5	UPL	POACEAE
PANYAD	10	Panicum yadkinense	CAROLINA PANIC GRASS	P-GRASS	5	UPL	POACEAE
PAPDUB	*	PAPAVER DUBIUM	POPPY	A-FORB	5	UPL	PAPAVERACEAE
PAPRHO	*	PAPAVER RHOEAS	CORN POPPY	A-FORB	5	UPL	PAPAVERACEAE
PAPSOM	*	PAPAVER SOMNIFERUM	COMMON POPPY	A-FORB	5	UPL	PAPAVERACEAE
PARPEN	2	Parietaria pensylvanica	PENNSYLVANIA PELLITORY	A-FORB	3	FACU	URTICACEAE
PARGLA	9	Parnassia glauca	GRASS-OF-PARNASSUS	P-FORB	-5	OBL	PARNASSIACEAE
PARCAN	5	Paronychia canadensis	TALL FORKED CHICKWEED	A-FORB	5	UPL	CARYOPHYLLACEAE
PARFAS	5	Paronychia fastigiata	LOW FORKED CHICKWEED	A-FORB	5	UPL	CARYOPHYLLACEAE
PARHYS	*	PARTHENIUM HYSTEROPHORUS	SANTA MARIA	A-FORB	5	UPL	ASTERACEAE
PARINT	8	Parthenium integrifolium	WILD QUININE	P-FORB	5	UPL	ASTERACEAE
PARINS	1	Parthenocissus inserta	THICKET CREEPER	W-VINE	3	FACU	VITACEAE
PARQUI	2	Parthenocissus quinquefolia	VIRGINIA CREEPER	W-VINE	1	FAC-	VITACEAE
PARTRI	*	PARTHENOCISSUS TRICUSPIDATA	BOSTON IVY	W-VINE	5	UPL	VITACEAE
PASBUS	4	Paspalum bushii	HAIRY BEAD GRASS	P-GRASS	5	UPL	POACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
PASCIC	3	Paspalum ciliatifolium	LENS GRASS	P-GRASS	5	UPL	POACEAE
PASCIM	3	Paspalum ciliatifolium v. muhlenbergii	DOWNY LENS GRASS	P-GRASS	5	UPL	POACEAE
PASCIS	3	Paspalum ciliatifolium v. stramineum	DOWNY LENS GRASS	P-GRASS	5	UPL	POACEAE
PASDIL	*	PASPALUM DILATATUM	DALLIS GRASS	P-GRASS	5	UPL	POACEAE
PASDIS	8	Paspalum dissectum	SWAMP BEAD GRASS	P-GRASS	-5	OBL	POACEAE
PASFLO	7	Paspalum floridanum	GIANT BEAD GRASS	P-GRASS	-3	FACW	POACEAE
PASFLU	5	Paspalum fluitans	SWAMP BEAD GRASS	P-GRASS	-5	OBL	POACEAE
PASLAE	2	Paspalum laeve	SMOOTH LENS GRASS	P-GRASS	5	UPL	POACEAE
PASLEN	10	Paspalum lentiferum	TWO-ROWED BEAD GRASS	P-GRASS	5	UPL	POACEAE
PASPUB	3	Paspalum pubiflorum v. glabrum	FOUR-ROWED BEAD GRASS	P-GRASS	-3	FACW	POACEAE
PASINC	3	Passiflora incarnata	LARGE PASSION FLOWER	H-VINE	3	FACU	PASSIFLORACEAE
PASLUT	6	Passiflora lutea v. glabriflora	SMALL PASION FLOWER	H-VINE	5	UPL	PASSIFLORACEAE
PASSAT	*	PASTINACA SATIVA	WILD PARSNIP	B-FORB	5	UPL	APIACEAE
PAUTOM	*	PAULOWNIA TOMENTOSA	EMPRESS TREE	TREE	5	UPL	SCROPHULARIACEAE
PEDCAN	7	Pedicularis canadensis	WOOD BETONY	P-FORB	2	FACU+	SCROPHULARIACEAE
PEDLAN	9	Pedicularis lanceolata	FEN BETONY	P-FORB	-4	FACW+	SCROPHULARIACEAE
PELATR	9	Pellaea atropurpurea	PURPLE CLIFF BRAKE	FERN	5	UPL	ADIANTACEAE
PELGLA	8	Pellaea glabella	PURPLE CLIFF BRAKE	FERN	5	UPL	ADIANTACEAE
PELVIR	8	Peltandra virginica	ARROW ARUM	P-FORB	-5	OBL	ARACEAE
PENALO	*	PENNISETUM ALOPECUROIDES	FOXTAIL MILLET	P-GRASS	5	UPL	POACEAE
PENALL	10	Penstemon alluviorum	LOWLAND BEARD TONGUE	P-FORB	-4	FACW+	SCROPHULARIACEAE
PENARK	10	Penstemon arkansanus	ARKANSAS BEARD TONGUE	P-FORB	5	UPL	SCROPHULARIACEAE
PENBRE	10	Penstemon brevisepalus	SHORT-SEPALLED BEARD TONGUE	P-FORB	5	UPL	SCROPHULARIACEAE
PENCAL	3	Penstemon calycosus	SMOOTH BEARD TONGUE	P-FORB	3	FACU	SCROPHULARIACEAE
PENCAN	10	Penstemon canescens v. brittonorum	HOARY BEARD TONGUE	P-FORB	5	UPL	SCROPHULARIACEAE
PENCOB	*	PENSTEMON COBAEA	SHOWY BEARD TONGUE	P-FORB	5	UPL	SCROPHULARIACEAE
PENDIG	4	Penstemon digitalis	FOXGLOVE BEARD TONGUE	P-FORB	1	FAC-	SCROPHULARIACEAE
PENGRW	*	PENSTEMON GRACILIS v. WISCONSINENIS	SLENDER BEARD TONGUE	P-FORB	5	UPL	SCROPHULARIACEAE
PENGRN	8	Penstemon grandiflorus	LARGE-FLOWERED BEARD TONGUE	P-FORB	5	UPL	SCROPHULARIACEAE
PENHIR	8	Penstemon hirsutus	HAIRY BEARD TONGUE	P-FORB	5	UPL	SCROPHULARIACEAE
PENPAL	6	Penstemon pallidus	PALE BEARD TONGUE	P-FORB	5	UPL	SCROPHULARIACEAE
PENTUB	5	Penstemon tubaeflorus	WESTERN BEARD TONGUE	P-FORB	5	UPL	SCROPHULARIACEAE
PENSED	2	Penthorum sedoides	DITCH STONECROP	P-FORB	-5	OBL	SAXIFRAGACEAE
PERAME	6	Perideridia americana	THICKET PARSLEY	P-FORB	5	UPL	APIACEAE
PERFRU	*	PERILLA FRUTESCENS	BEEFSTEAK PLANT	A-FORB	0	FAC	LAMIACEAE
PETHYU	*	PETASITES HYBRIDUS	BUTTERBUR	P-FORB	5	UPL	ASTERACEAE
PETSAX	*	PETRORHAGIA SAXIFRAGA	SAXIFRAGE PINK	P-FORB	5	UPL	CARYOPHYLLACEAE
PETAXI	*	PETUNIA AXILLARIS	WHITE PETUNIA	A-FORB	5	UPL	SOLANACEAE
PETHYA	*	PETUNIA ×HYBRIDA	GARDEN PETUNIA	A-FORB	5	UPL	SOLANACEAE
PETVIO	*	PETUNIA VIOLACEA	VIOLET PETUNIA	A-FORB	5	UPL	SOLANACEAE
PHABIP	6	Phacelia bipinnatifida	LEAFY PHACELIA	B-FORB	5	UPL	HYDROPHYLLACEAE
PHAGIL	9	Phacelia gilioides	GILIA PHACELIA	A-FORB	5	UPL	HYDROPHYLLACEAE
PHAPUR	4	Phacelia purshii	MIAMI MIST	A-FORB	4	FACU-	HYDROPHYLLACEAE

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PHARAN	8	Phacelia ranunculacea	BUTTERCUP PHACELIA	A-FORB	-3	FACW	HYDROPHYLLACEAE
PHAARU	*	PHALARIS ARUNDINACEA	REED CANARY GRASS	P-GRASS	-4	FACW+	POACEAE
PHACAN	*	PHALARIS CANARIENSIS	BIRDSEED GRASS	A-GRASS	3	FACU	POACEAE
PHAPOL	6	Phaseolus polystachios	WILD KIDNEY BEAN	P-FORB	5	UPL	FABACEAE
PHECON	10	Phegopteris connectilis	LONG BEECH FERN	FERN	5	UPL	THELYPTERIDACEAE
PHEHEX	7	Phegopteris hexagonoptera	BROAD BEECH FERN	FERN	1	FAC-	THELYPTERIDACEAE
PHEAMU	*	PHELLODENDRON AMURENSE	AMUR CORK TREE	TREE	5	UPL	RUTACEAE
PHICOR	*	PHILADELPHUS CORONARIUS	SWEET MOCK ORANGE	SHRUB	5	UPL	PHILADELPHACEAE
PHIFLO	*	PHILADELPHUS FLORIDUS	FEW-FLOWERED MOCK ORANGE	SHRUB	5	UPL	PHILADELPHACEAE
PHIINO	*	PHILADELPHUS INODORUS	SCENTLESS MOCK ORANGE	SHRUB	5	UPL	PHILADELPHACEAE
PHIPUB	*	PHILADELPHUS PUBESCENS	DOWNY MOCK ORANGE	SHRUB	5	UPL	PHILADELPHACEAE
PHLPRA	*	PHLEUM PRATENSE	TIMOTHY	P-GRASS	3	FACU	POACEAE
PHLBIF	7	Phlox bifida	CLEFF PHLOX	P-FORB	5	UPL	POLEMONIACEAE
PHLCAR	6	Phlox carolina v. angusta	CAROLINA PHLOX	P-FORB	-3	FACW	POLEMONIACEAE
PHLDIV	5	Phlox divaricata	BLUE PHLOX	P-FORB	3	FACU	POLEMONIACEAE
PHLGLA	6	Phlox glaberrima sp. interior	SMOOTH PHLOX	P-FORB	-3	FACW	POLEMONIACEAE
PHLMAC	10	Phlox maculata	WILD SWEET WILLIAM	P-FORB	-5	OBL	POLEMONIACEAE
PHLPAN	3	Phlox paniculata	GARDEN PHLOX	P-FORB	3	FACU	POLEMONIACEAE
PHLPIP	7	Phlox pilosa	SAND PRAIRIE PHLOX	P-FORB	1	FAC-	POLEMONIACEAE
PHLPIF	7	Phlox pilosa sp. fulgida	PRAIRIE PHLOX	P-FORB	-1	FAC+	POLEMONIACEAE
PHLPIS	7	Phlox pilosa sp. sangamonensis	SANGAMON PHLOX	P-FORB	1	FAC-	POLEMONIACEAE
PHLSUB	*	PHLOX SUBULATA	MOSS PHLOX	SHRUB	5	UPL	POLEMONIACEAE
PHOSER	7	Phoradendron serotinum	MISTLETOE	SHRUB	5	UPL	VISCACEAE
PHRAUS	1	Phragmites australis	COMMON REED	P-GRASS	-4	FACW+	POACEAE
PHRLEP	4	Phryma leptostachya	LOPSEED	P-FORB	5	UPL	PHRYMACEAE
PHYCUN	*	PHYLA CUNEIFOLIA	HOARY FOG FRUIT	P-FORB	-3	FACW	VERBENACEAE
PHYLAC	1	Phyla lanceolata	FOG FRUIT	P-FORB	-5	OBL	VERBENACEAE
PHYCAR	5	Phyllanthus caroliniensis	DAINTIES	A-FORB	0	FAC	EUPHORBIACEAE
PHYURI	*	PHYLLANTHUS URINARIA	BITTER WRACK	A-FORB	5	UPL	EUPHORBIACEAE
PHYALK	*	PHYSALIS ALKEKENGI	CHINESE LANTERN	P-FORB	5	UPL	SOLANACEAE
PHYANL	*	PHYSALIS ANGULATA	CUT-LEAVED GROUND CHERRY	A-FORB	0	FAC	SOLANACEAE
PHYBAR	*	PHYSALIS BARBADENSIS	BARBADOS GROUND CHERRY	A-FORB	5	UPL	SOLANACEAE
PHYHET	2	Physalis heterophylla	CLAMMY GROUND CHERRY	P-FORB	5	UPL	SOLANACEAE
PHYIXO	*	PHYSALIS IXOCARPA	TOMATILLO	A-FORB	5	UPL	SOLANACEAE
PHYLAL	*	PHYSALIS LANCEOLATA	NARROW-LEAVED GROUND CHERRY	P-FORB	5	UPL	SOLANACEAE
PHYLON	*	PHYSALIS LONGIFOLIA	TALL GROUND CHERRY	P-FORB	5	UPL	SOLANACEAE
PHYMAC	*	PHYSALIS MACROPHYSA	LARGE-FRUITED GROUND CHERRY	P-FORB	5	UPL	SOLANACEAE
PHYPEN	*	PHYSALIS PENDULA	CUT-LEAVED GROUND CHERRY	A-FORB	5	UPL	SOLANACEAE
PHYPRU	4	Physalis pruinosa	STRAWBERRY TOMATO	A-FORB	5	UPL	SOLANACEAE
PHYPUB	3	Physalis pubescens	HAIRY GROUND CHERRY	A-FORB	5	UPL	SOLANACEAE
PHYPUM	5	Physalis pumila	DWARF GROUND CHERRY	P-FORB	5	UPL	SOLANACEAE
PHYSUB	0	Physalis subglabrata	SMOOTH GROUND CHERRY	P-FORB	5	UPL	SOLANACEAE
PHYTEX	5	Physalis texana	TEXAS GROUND CHERRY	P-FORB	5	UPL	SOLANACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
PHYVIG	3	Physalis virginiana	LANCE-LEAVED GROUND CHERRY	P-FORB	5	UPL	SOLANACEAE
PHYOPU	7	Physocarpus opulifolius	COMMON NINEBARK	SHRUB	-2	FACW-	ROSACEAE
PHYSPE	7	Physostegia speciosa	SHOWY OBEDIENT PLANT	P-FORB	-3	FACW	LAMIACEAE
PHYVIN	6	Physostegia virginiana	OBEDIENT PLANT	P-FORB	-3	FACW	LAMIACEAE
PHYVIA	6	Physostegia virginiana v. arenaria	PRAIRIE OBEDIENT	P-FORB	-3	FACW	LAMIACEAE
PHYAME	1	Phytolacca americana	POKEWEED	P-FORB	1	FAC-	PHYTOLACCACEAE
PICMAR	*	PICEA MARIANA	BLACK SPRUCE	TREE	-5	OBL	PINACEAE
PICECH	*	PICRIS ECHIOIDES	BRISTLY OX TONGUE	A-FORB	5	UPL	ASTERACEAE
PICHIE	*	PICRIS HIERACIOIDES	HAWKWEED OX TONGUE	B-FORB	5	UPL	ASTERACEAE
PILFON	6	Pilea fontana	BOG CLEARWEED	A-FORB	-3	FACW	URTICACEAE
PILPUM	3	Pilea pumila	CANADA CLEARWEED	A-FORB	-3	FACW	URTICACEAE
PINBNN	10	Pinus banksiana	JACK PINE	TREE	3	FACU	PINACEAE
PINBNA	*	PINUS BANKSIANA	JACK PINE	TREE	3	FACU	PINACEAE
PINECN	10	Pinus echinata	SHORT-LEAF PINE	TREE	5	UPL	PINACEAE
PINECA	*	PINUS ECHINATA	SHORT-LEAF PINE	TREE	5	UPL	PINACEAE
PINNIG	*	PINUS NIGRA	AUSTRIAN PINE	TREE	5	UPL	PINACEAE
PINPUN	*	PINUS PUNGENS	PRICKLY PINE	TREE	5	UPL	PINACEAE
PINREN	10	Pinus resinosa	RED PINE	TREE	3	FACU	PINACEAE
PINREA	*	PINUS RESINOSA	RED PINE	TREE	3	FACU	PINACEAE
PINRIG	*	PINUS RIGIDA	PITCH PINE	TREE	5	UPL	PINACEAE
PINSTA	9	Pinus strobus	WHITE PINE	TREE	3	FACU	PINACEAE
PINSTN	*	PINUS STROBUS	WHITE PINE	TREE	3	FACU	PINACEAE
PINSYL	*	PINUS SYLVESTRIS	SCOTCH PINE	TREE	5	UPL	PINACEAE
PINTAE	*	PINUS TAEDA	LOBLOLLY PINE	TREE	5	UPL	PINACEAE
PINVIR	*	PINUS VIRGINIANA	SCRUB PINE	TREE	5	UPL	PINACEAE
PISSAT	*	PISUM SATIVUM	GARDEN PEA	A-FORB	5	UPL	FABACEAE
PLAHIR	*	PLAGIOBOTHRYS HIRTUS v. FIGURATUS	POPCORN FLOWER	A-FORB	-5	OBL	BORAGINACEAE
PLASCP	*	PLAGIOBOTHRYS SCOULERI v. PENICILLATUS	POPCORN FLOWER	A-FORB	-5	OBL	BORAGINACEAE
PLAAQU	10	Planera aquatica	PLANER TREE	TREE	-5	OBL	ULMACEAE
PLAARE	*	PLANTAGO ARENARIA	WHORLED PLANTAIN	A-FORB	5	UPL	PLANTAGINACEAE
PLAARI	1	Plantago aristata	POOR JOE	A-FORB	5	UPL	PLANTAGINACEAE
PLACOR	10	Plantago cordata	HEART-LEAVED PLANTAIN	P-FORB	-5	OBL	PLANTAGINACEAE
PLAHET	*	PLANTAGO HETEROPHYLLA	SMALL PLANTAIN	A-FORB	-2	FACW-	PLANTAGINACEAE
PLALAN	*	PLANTAGO LANCEOLATA	ENGLISH PLANTAIN	P-FORB	0	FAC	PLANTAGINACEAE
PLAMAJ	*	PLANTAGO MAJOR	COMMON PLANTAIN	P-FORB	-1	FAC+	PLANTAGINACEAE
PLAMED	*	PLANTAGO MEDIA	HOARY PLANTAIN	P-FORB	5	UPL	PLANTAGINACEAE
PLAPAT	*	PLANTAGO PATAGONICA v. BREVICARPA	WOOLLY PLANTAIN	A-FORB	5	UPL	PLANTAGINACEAE
PLAPUS	3	Plantago pusilla	SMALL PLANTAIN	A-FORB	3	FACU	PLANTAGINACEAE
PLARHO	*	PLANTAGO RHODOSPERMA	RED-SEEDED PLANTAIN	A-FORB	3	FACU	PLANTAGINACEAE
PLARUG	0	Plantago rugelii	RED-STALKED PLANTAIN	A-FORB	0	FAC	PLANTAGINACEAE
PLAVIR	3	Plantago virginica	DWARF PLANTAIN	A-FORB	4	FACU-	PLANTAGINACEAE
PLABLE	10	Platanthera blephariglottis	WHITE FRINGED ORCHID	P-FORB	-5	OBL	ORCHIDACEAE
PLACIL	10	Platanthera ciliaris	ORANGE FRINGED ORCHID	P-FORB	-3	FACW	ORCHIDACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
PLACLA	10	Platanthera clavellata	GREEN ORCHID	P-FORB	-5	OBL	ORCHIDACEAE
PLADIL	10	Platanthera dilatata	TALL WHITE ORCHID	P-FORB	-4	FACW +	ORCHIDACEAE
PLAFLF	10	Platanthera flava	TUBERCLED ORCHID	P-FORB	-3	FACW	ORCHIDACEAE
PLAFLH	10	Platanthera flava herbiola	TUBERCLED ORCHID	P-FORB	-3	FACW	ORCHIDACEAE
PLAHOO	10	Platanthera hookeri	HOOKER'S ORCHID	P-FORB	-1	FAC +	ORCHIDACEAE
PLAHYP	9	Platanthera hyperborea v. huronensis	GREEN ORCHID	P-FORB	-4	FACW +	ORCHIDACEAE
PLALAC	9	Platanthera lacera	GREEN FRINGED ORCHID	P-FORB	-3	FACW	ORCHIDACEAE
PLALEU	10	Platanthera leucophaea	PRAIRIE WHITE FRINGED ORCHID	P-FORB	-4	FACW +	ORCHIDACEAE
PLAORB	10	Platanthera orbiculata	ROUND-LEAVED ORCHID	P-FORB	0	FAC	ORCHIDACEAE
PLAPER	7	Platanthera peramoena	PURPLE FRINGELESS ORCHID	P-FORB	-3	FACW	ORCHIDACEAE
PLAPSY	10	Platanthera psycodes	PURPLE FRINGED ORCHID	P-FORB	-3	FACW	ORCHIDACEAE
PLAOCC	3	Platanus occidentalis	BUTTONWOOD	TREE	-3	FACW	PLATANACEAE
PLUCAM	7	Pluchea camphorata	CAMPHOR WEED	A-FORB	-3	FACW	ASTERACEAE
PLUODO	*	PLUCHEA ODORATA v. SUCCULENTA	CAMPHOR WEED	A-FORB	5	UPL	ASTERACEAE
POAALS	10	Poa alsodes	GROVE BLUE GRASS	P-GRASS	-3	FACW	POACEAE
POAANN	*	POA ANNUA	ANNUAL BLUE GRASS	A-GRASS	1	FAC-	POACEAE
POAARA	*	POA ARACHNIFERA	TEXAS BLUE GRASS	P-GRASS	5	UPL	POACEAE
POAARI	*	POA ARIDA	PLAINS BLUE GRASS	P-GRASS	0	FAC	POACEAE
POAAUT	10	Poa autumnalis	AUTUMN BLUE GRASS	P-GRASS	0	FAC	POACEAE
POABUL	*	POA BULBOSA	BULBOUS BLUE GRASS	P-GRASS	5	UPL	POACEAE
POACHA	1	Poa chapmaniana	SPEAR GRASS	A-GRASS	3	FACU	POACEAE
POACOM	*	POA COMPRESSA	CANADIAN BLUE GRASS	P-GRASS	2	FACU +	POACEAE
POALAN	10	Poa languida	WEAK BLUE GRASS	P-GRASS	5	UPL	POACEAE
POANEM	*	POA NEMORALIS	WOODLAND BLUE GRASS	P-GRASS	0	FAC	POACEAE
POAPAD	10	Poa paludigena	MARSH BLUE GRASS	P-GRASS	-5	OBL	POACEAE
POAPAS	7	Poa palustris	FOWL BLUE GRASS	P-GRASS	-4	FACW +	POACEAE
POAPRA	*	POA PRATENSIS	KENTUCKY BLUE GRASS	P-GRASS	1	FAC-	POACEAE
POASYL	5	Poa sylvestris	WOODLAND BLUE GRASS	P-GRASS	0	FAC	POACEAE
POATRI	*	POA TRIVIALIS	MEADOW GRASS	P-GRASS	-3	FACW	POACEAE
POAWOL	10	Poa wolfii	MEADOW BLUE GRASS	P-GRASS	5	UPL	POACEAE
PODPEL	4	Podophyllum peltatum	MAY APPLE	P-FORB	3	FACU	BERBERIDACEAE
POGOPH	10	Pogonia ophioglossoides	ROSE POGONIA	P-FORB	-5	OBL	ORCHIDACEAE
POICYA	0	Poinsettia cyathophora	PAINTED LEAF	A-FORB	5	UPL	EUPHORBIACEAE
POIDEN	0	Poinsettia dentata	TOOTHED SPURGE	A-FORB	5	UPL	EUPHORBIACEAE
POLDDO	0	Polanisia dodecandra	CLAMMY WEED	A-FORB	5	UPL	CAPPARIDACEAE
POLDTR	0	Polanisia dodecandra v. trachysperma	CLAMMY WEED	A-FORB	5	UPL	CAPPARIDACEAE
POLJAM	5	Polanisia jamesii	JAMES' CLAMMY WEED	A-FORB	5	UPL	CAPPARIDACEAE
POLREP	5	Polemonium reptans	JACOB'S LADDER	P-FORB	0	FAC	POLEMONIACEAE
POLMAJ	*	POLYCNEMUM MAJUS	WIRY GOOSEFOOT	A-FORB	5	UPL	CHENOPODIACEAE
POLCRU	9	Polygala cruciata v. aquilonia	CROSS MILKWORT	A-FORB	-4	FACW +	POLYGALACEAE
POLINC	10	Polygala incarnata	PINK MILKWORT	A-FORB	4	FACU-	POLYGALACEAE
POLPAU	10	Polygala paucifolia	FLOWERING WINTERGREEN	P-FORB	3	FACU	POLYGALACEAE
POLPOO	7	Polygala polygama v. obtusata	PURPLE MILKWORT	B-FORB	4	FACU-	POLYGALACEAE

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POLSAN	5	Polygala sanguinea	FIELD MILKWORT	A-FORB	3	FACU	POLYGALACEAE
POLSEN	7	Polygala senega	SENECA SNAKEROOT	P-FORB	3	FACU	POLYGALACEAE
POLVER	9	Polygala verticillata	WHORLED MILKWORT	A-FORB	5	UPL	POLYGALACEAE
POLVER	5	Polygala verticillata v. ambigua	WHORLED MILKWORT	A-FORB	5	UPL	POLYGALACEAE
POLVER	5	Polygala verticillata v. isocycla	WHORLED MILKWORT	A-FORB	5	UPL	POLYGALACEAE
POLBIF	7	Polygonatum biflorum	SMALL SOLOMON SEAL	P-FORB	3	FACU	LILIACEAE
POLCOM	4	Polygonatum commutatum	GREAT SOLOMON SEAL	P-FORB	3	FACU	LILIACEAE
POLPUB	10	Polygonatum pubescens	DOWNY SOLOMAN'S SEAL	P-FORB	5	UPL	LILIACEAE
POLART	9	Polygonella articulata	JOINTWEED	A-FORB	5	UPL	POLYGONACEAE
POLACH	0	Polygonum achoreum	BEAK-SEEDED KNOTWEED	A-FORB	0	FAC	POLYGONACEAE
POLAMP	3	Polygonum amphibium	WATER KNOTWEED	P-FORB	-5	OBL	POLYGONACEAE
POLARE	*	POLYGONUM ARENASTRUM	SIDEWALK KNOTWEED	A-FORB	5	UPL	POLYGONACEAE
POLARI	10	Polygonum arifolium v. pubescens	HALBRED-LEAVED TEAR-THUMB	A-FORB	-5	OBL	POLYGONACEAE
POLAVI	*	POLYGONUM AVICULARE	COMMON KNOTWEED	A-FORB	1	FAC-	POLYGONACEAE
POLBIC	2	Polygonum bicorne	LONG-STYLED KNOTWEED	A-FORB	0	FAC	POLYGONACEAE
POLBUN	*	POLYGONUM BUNGEANUM	RICKLY SMARTWEED	A-FORB	-3	FACW	POLYGONACEAE
POLBUX	0	Polygonum buxiforme	BOXWOOD KNOTWEED	A-FORB	5	UPL	POLYGONACEAE
POLCAR	10	Polygonum careyi	CAREY'S HEARTSEASE	A-FORB	-4	FACW+	POLYGONACEAE
POLCES	*	POLYGONUM CESPITOSUM v. LONGISETUM	CREEPING SMARTWEED	A-FORB	5	UPL	POLYGONACEAE
POLCON	*	POLYGONUM CONVOLVULUS	BLACK BIRDWEED	A-FORB	1	FAC-	POLYGONACEAE
POLCRI	4	Polygonum cristatum	COPSE BINDWEED	H-VINE	0	FAC	POLYGONACEAE
POLCUS	*	POLYGONUM CUSPIDATUM	JAPANESE KNOTWEED	SHRUB	3	FACU	POLYGONACEAE
POLERE	0	Polygonum erectum	ERECT KNOTWEED	A-FORB	3	FACU	POLYGONACEAE
POLEXS	0	Polygonum exsertum	LONG-FRUITED KNOTWEED	A-FORB	0	FAC	POLYGONACEAE
POLHYR	*	POLYGONUM HYDROPIPER	WATER PEPPER	A-FORB	-5	OBL	POLYGONACEAE
POLHYO	4	Polygonum hydropiperoides	MILD WATER PEPPER	P-FORB	-5	OBL	POLYGONACEAE
POLLAP	0	Polygonum lapathifolium	CURTTOP LADY'S THUMB	A-FORB	-4	FACW+	POLYGONACEAE
POLNEG	*	POLYGONUM NEGLECTUM	LEAFY KNOTWEED	A-FORB	5	UPL	POLYGONACEAE
POLOPE	8	Polygonum opelousanum	SCALY MILD WATER PEPPER	P-FORB	-5	OBL	POLYGONACEAE
POLORI	*	POLYGONUM ORIENTALE	KISS-ME-OVER-THE-GARDEN-GATE	A-FORB	5	UPL	POLYGONACEAE
POLPEN	1	Polygonum pensylvanicum	PINKWEED	A-FORB	-4	FACW+	POLYGONACEAE
POLPER	*	POLYGONUM PERSICARIA	LADY'S THUMB	A-FORB	-3	FACW	POLYGONACEAE
POLPRL	0	Polygonum prolificum	LEAFY KNOTWEED	A-FORB	1	FAC-	POLYGONACEAE
POLPUN	3	Polygonum punctatum	SMARTWEED	A-FORB	-5	OBL	POLYGONACEAE
POLRAM	3	Polygonum ramosissimum	BUSHY KNOTWEED	A-FORB	1	FAC-	POLYGONACEAE
POLSAC	*	POLYGONUM SACHALINENSE	GIANT KNOTWEED	SHRUB	5	UPL	POLYGONACEAE
POLSAG	5	Polygonum sagittatum	ARROW-LEAVED TEARTHUMB	A-FORB	-5	OBL	POLYGONACEAE
POLSCB	*	POLYGONUM SCABRUM	HEDGE CORNBIND	A-FORB	5	UPL	POLYGONACEAE
POLSCN	2	Polygonum scandens	CLIMBING FALSE BUCKWHEAT	H-VINE	0	FAC	POLYGONACEAE
POLSET	7	Polygonum setaceum v. interjectum	BRISTLY SMARTWEED	P-FORB	-5	OBL	POLYGONACEAE
POLTEN	5	Polygonum tenue	SLENDER KNOTWEED	A-FORB	5	UPL	POLYGONACEAE
POLVIG	3	Polygonum virginianum	VIRGINIA KNOTWEED	P-FORB	0	FAC	POLYGONACEAE
POLCAN	4	Polymnia canadensis	PALE LEAFCUP	P-FORB	5	UPL	ASTERACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
POLUVE	6	Polymnia uvedalia	BEAR'S FOOT	P-FORB	4	FACU-	ASTERACEAE
POLPOM	10	Polypodium polypodioides v. michauxianum	GRAY POLYPODY	FERN	5	UPL	POLYPODIACEAE
POLVIN	8	Polypodium virginianum	COMMON POLYPODY	FERN	5	UPL	POLYPODIACEAE
POLPRC	5	Polypremum procumbens	RUST WEED	P-FORB	5	UPL	LOGANIACEAE
POLACR	5	Polystichum acrostichoides	CHRISTMAS FERN	FERN	5	UPL	ASPLENIACEAE
POLNUT	8	Polytaenia nuttallii	PRAIRIE PARSLEY	P-FORB	5	UPL	APIACEAE
PONCOR	8	Pontederia cordata	PICKEREL WEED	P-FORB	-5	OBL	PONTEDERIACEAE
POPALB	*	POPULUS ALBA	WHITE POPLAR	TREE	5	UPL	SALICACEAE
POPBAL	7	Populus balsamifera	BALSAM POPLAR	TREE	-3	FACW	SALICACEAE
POPCAN	*	POPULUS CANESCENS	GRAY POPLAR	TREE	5	UPL	SALICACEAE
POPDEL	2	Populus deltoides	EASTERN COTTONWOOD	TREE	-1	FAC+	SALICACEAE
POPGIL	*	POPULUS ×GILEADENSIS	BALM-OF-GILEAD	TREE	5	UPL	SALICACEAE
POPGRA	4	Populus grandidentata	BIG-TOOTH ASPEN	TREE	3	FACU	SALICACEAE
POPHET	8	Populus heterophylla	SWAMP COTTONWOOD	TREE	-5	OBL	SALICACEAE
POPNIG	*	POPULUS NIGRA ITALICA	LOMBARDY POPLAR	TREE	5	UPL	SALICACEAE
POPTRE	3	Populus tremuloides	QUAKING ASPEN	TREE	0	FAC	SALICACEAE
PORSTI	6	Porteranthus stipulatus	INDIAN PHYSIC	P-FORB	5	UPL	ROSACEAE
PORTRI	10	Porteranthus trifoliatus	INDIAN PHYSIC	P-FORB	5	UPL	ROSACEAE
PORGRA	*	PORTULACA GRANDIFLORA	MOSS ROSE	A-FORB	5	UPL	PORTULACACEAE
POROLE	*	PORTULACA OLERACEA	PURSLANE	A-FORB	1	FAC-	PORTULACACEAE
POTAMP	10	Potamogeton amplifolius	LARGE-LEAVED PONDWEED	P-FORB	-5	OBL	POTAMOGETONACEAE
POTCRI	*	POTAMOGETON CRISPUS	BEGINNER'S PONDWEED	P-FORB	-5	OBL	POTAMOGETONACEAE
POTDIV	6	Potamogeton diversifolius	WATER-THREAD PONDWEED	P-FORB	-5	OBL	POTAMOGETONACEAE
POTEPI	10	Potamogeton epihydrus	RIBBON-LEAVED PONDWEED	P-FORB	-5	OBL	POTAMOGETONACEAE
POTFOL	5	Potamogeton foliosus	LEAFY PONDWEED	P-FORB	-5	OBL	POTAMOGETONACEAE
POTFRI	10	Potamogeton friesii	FRIES'S PONDWEED	P-FORB	-5	OBL	POTAMOGETONACEAE
POTGRA	10	Potamogeton gramineus	GRASS-LEAVED PONDWEED	P-FORB	-5	OBL	POTAMOGETONACEAE
POTILL	7	Potamogeton illinoensis	ILLINOIS PONDWEED	P-FORB	-5	OBL	POTAMOGETONACEAE
POTNAT	7	Potamogeton natans	COMMON PONDWEED	P-FORB	-5	OBL	POTAMOGETONACEAE
POTNOD	7	Potamogeton nodosus	AMERICAN PONDWEED	P-FORB	-5	OBL	POTAMOGETONACEAE
POTPEC	5	Potamogeton pectinatus	COMB PONDWEED	P-FORB	-5	OBL	POTAMOGETONACEAE
POTPRA	10	Potamogeton praelongus	WHITE-STEMMED PONDWEED	P-FORB	-5	OBL	POTAMOGETONACEAE
POTPUL	10	Potamogeton pulcher	SPOTTED PONDWEED	P-FORB	-5	OBL	POTAMOGETONACEAE
POTPUS	7	Potamogeton pusillus	BABY PONDWEED	P-FORB	-5	OBL	POTAMOGETONACEAE
POTRIC	10	Potamogeton richardsonii	REDHEAD GRASS	P-FORB	-5	OBL	POTAMOGETONACEAE
POTROB	10	Potamogeton robbinsii	FERN PONDWEED	P-FORB	-5	OBL	POTAMOGETONACEAE
POTSTR	10	Potamogeton strictifolius	STIFF PONDWEED	P-FORB	-5	OBL	POTAMOGETONACEAE
POTVAS	10	Potamogeton vaseyi	VASEY'S PONDWEED	P-FORB	-5	OBL	POTAMOGETONACEAE
POTZOS	8	Potamogeton zosteriformis	FLAT-STEMMED PONDWEED	P-FORB	-5	OBL	POTAMOGETONACEAE
POTANS	6	Potentilla anserina	SILVERWEED	P-FORB	-4	FACW+	ROSACEAE
POTARE	*	POTENTILLA ARGENTEA	SILVERY CINQUEFOIL	P-FORB	3	FACU	ROSACEAE
POTARU	10	Potentilla arguta	PRAIRIE CINQUEFOIL	P-FORB	4	FACU-	ROSACEAE
POTFRU	10	Potentilla fruticosa	SHRUBBY CINQUEFOIL	SHRUB	-3	FACW	ROSACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
POTINC	*	POTENTILLA INCLINATA	HOARY CINQUEFOIL	P-FORB	5	UPL	ROSACEAE
POTINT	*	POTENTILLA INTERMEDIA	INTERMEDIATE CINQUEFOIL	P-FORB	5	UPL	ROSACEAE
POTMIL	10	Potentilla millegrana	CINQUEFOIL	A-FORB	-5	OBL	ROSACEAE
POTNOR	0	Potentilla norvegica	ROUGH CINQUEFOIL	A-FORB	0	FAC	ROSACEAE
POTPAL	10	Potentilla palustris	MARSH CINQUEFOIL	P-FORB	-5	OBL	ROSACEAE
POTPAR	8	Potentilla paradoxa	CINQUEFOIL	A-FORB	-4	FACW+	ROSACEAE
POTPEB	10	Potentilla pensylvanica v. bipinnatifida	GRAY CINQUEFOIL	P-FORB	5	UPL	ROSACEAE
POTREC	*	POTENTILLA RECTA	SULFUR CINQUEFOIL	P-FORB	5	UPL	ROSACEAE
POTREP	*	POTENTILLA REPTANS	CREEPING CINQUEFOIL	P-FORB	5	UPL	ROSACEAE
POTRIV	*	POTENTILLA RIVALIS	BROOK CINQUEFOIL	P-FORB	-4	FACW+	ROSACEAE
POTSIM	3	Potentilla simplex	COMMON CINQUEFOIL	P-FORB	4	FACU-	ROSACEAE
POTTRI	10	Potentilla tridentata	THREE-TOOTHED CINQUEFOIL	SHRUB	5	UPL	ROSACEAE
PREALB	5	Prenanthes alba	LION'S FOOT	P-FORB	3	FACU	ASTERACEAE
PREALT	5	Prenanthes altissima	TALL WHITE LETTUCE	P-FORB	3	FACU	ASTERACEAE
PREASP	8	Prenanthes aspera	ROUGH WHITE LETTUCE	P-FORB	5	UPL	ASTERACEAE
PRECRE	9	Prenanthes crepidinea	GREAT WHITE LETTUCE	P-FORB	-1	FAC+	ASTERACEAE
PRERAC	8	Prenanthes racemosa	GLAUCOUS WHITE LETTUCE	P-FORB	-3	FACW	ASTERACEAE
PRIMIS	10	Primula mistassinica	BIRD'S-EYE PRIMROSE	P-FORB	-3	FACW	PRIMULACEAE
PRICIL	*	PRIONOPSIS CILIATUS	GOLDENWEED	A-FORB	5	UPL	ASTERACEAE
PROLOU	*	PROBOSCIDEA LOUISIANICA	DEVILS CLAW	A-FORB	-1	FAC+	MARTYNIACEAE
PROPAL	5	Proserpinaca palustris	MERMAID WEED	P-FORB	-5	OBL	HALORAGIDACEAE
PRUVUV	*	PRUNELLA VULGARIS	LAWN PRUNELLA	P-FORB	0	FAC	LAMIACEAE
PRUVUE	1	Prunella vulgaris v. elongata	SELF-HEAL	P-FORB	0	FAC	LAMIACEAE
PRUAMA	3	Prunus americana	AMERICAN PLUM	TREE	5	UPL	ROSACEAE
PRUAML	3	Prunus americana v. lanata	WILD PLUM	TREE	5	UPL	ROSACEAE
PRUANG	3	Prunus angustifolia	CHICKASAW PLUM	SHRUB	5	UPL	ROSACEAE
PRUARM	*	PRUNUS ARMENIACA	APRICOT	TREE	5	UPL	ROSACEAE
PRUAVI	*	PRUNUS AVIUM	SWEET CHERRY	TREE	5	UPL	ROSACEAE
PRUCER	*	PRUNUS CERASUS	SOUR CHERRY	TREE	5	UPL	ROSACEAE
PRUHOR	3	Prunus hortulana	WILD GOOSE PLUM	TREE	5	UPL	ROSACEAE
PRUMAH	*	PRUNUS MAHALEB	PERFUMED CHERRY	TREE	5	UPL	ROSACEAE
PRUMEX	7	Prunus mexicana	BIG TREE PLUM	TREE	5	UPL	ROSACEAE
PRUMUN	6	Prunus munsoniana	WILD GOOSE PLUM	TREE	5	UPL	ROSACEAE
PRUNIG	8	Prunus nigra	CANADA PLUM	TREE	4	FACU-	ROSACEAE
PRUPAD	*	PRUNUS PADUS	EUROPEAN BIRD CHERRY	TREE	5	UPL	ROSACEAE
PRUPEN	6	Prunus pensylvanica	PIN CHERRY	TREE	4	FACU-	ROSACEAE
PRUPER	*	PRUNUS PERSICA	PEACH	TREE	5	UPL	ROSACEAE
PRUSER	1	Prunus serotina	WILD BLACK CHERRY	TREE	3	FACU	ROSACEAE
PRUSUS	8	Prunus susquehanae	SAND CHERRY	TREE	5	UPL	ROSACEAE
PRUTOM	*	PRUNUS TOMENTOSA	NANKING CHERRY	TREE	5	UPL	ROSACEAE
PRUVIR	3	Prunus virginiana	COMMON CHOKE CHERRY	SHRUB	1	FAC-	ROSACEAE
PSOARG	*	PSORALEA ARGOPHYLLA	SILVERY SURFY PEA	P-FORB	5	UPL	FABACEAE
PSOONO	6	Psoralea onobrychis	FRENCH GRASS	P-FORB	5	UPL	FABACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
PSOPSO	6	Psoralea psoralioides v. eglandulosa	SAMPSON'S SNAKEROOT	P-FORB	5	UPL	FABACEAE
PSOTEN	8	Psoralea tenuiflora	SCURFY-PEA	P-FORB	5	UPL	FABACEAE
PTETRT	4	Ptelea trifoliata	WAFER ASH	SHRUB	2	FACU+	RUTACEAE
PTETRM	6	Ptelea trifoliata v. mollis	DOWNY WAFER ASH	SHRUB	5	UPL	RUTACEAE
PTEAQU	5	Pteridium aquilinum	BRACKEN FERN	FERN	3	FACU	DENNSTAEDTIACEAE
PTICOS	10	Ptilimnium costatum	MOCK BISHOP'S WEED	A-FORB	-5	OBL	APIACEAE
PTINUT	7	Ptilimnium nuttallii	MOCK BISHOP'S WEED	A-FORB	-4	FACW+	APIACEAE
PUCDIS	*	PUCCINELLIA DISTANS	ALKALI GRASS	P-GRASS	-5	OBL	POACEAE
PUELOB	*	PUERARIA LOBATA	KUDZU	W-VINE	5	UPL	FABACEAE
PULPAT	9	Pulsatilla patens v. multifida	PASQUE FLOWER	P-FORB	5	UPL	RANUNCULACEAE
PYCALB	10	Pycnanthemum albescens	WHITE MOUNTAIN MINT	P-FORB	5	UPL	LAMIACEAE
PYCINC	8	Pycnanthemum incanum	GRAY MOUNTAIN MINT	P-FORB	5	UPL	LAMIACEAE
PYCMUT	10	Pycnanthemum muticum	BROAD-LEAVED MOUNTAIN MINT	P-FORB	0	FAC	LAMIACEAE
PYCPIL	6	Pycnanthemum pilosum	HAIRY MOUNTAIN MINT	P-FORB	5	UPL	LAMIACEAE
PYCPYC	8	Pycnanthemum pycnanthemoides	MOUNTAIN MINT	P-FORB	5	UPL	LAMIACEAE
PYCTEN	4	Pycnanthemum tenuifolium	SLENDER MOUNTAIN MINT	P-FORB	0	FAC	LAMIACEAE
PYCTOR	10	Pycnanthemum torrei	TORREY'S MOUNTAIN MINT	P-FORB	5	UPL	LAMIACEAE
PYCVIR	5	Pycnanthemum virginianum	COMMON MOUNTAIN MINT	P-FORB	-4	FACW+	LAMIACEAE
PYRAME	10	Pyrola americana	ROUND-LEAVED SHINLEAF	P-FORB	1	FAC-	PYROLACEAE
PYRELL	8	Pyrola elliptica	LARGE-LEAVED SHINLEAF	P-FORB	5	UPL	PYROLACEAE
PYRCAR	1	Pyrrhopappus carolinianus	FALSE DANDELION	A-FORB	5	UPL	ASTERACEAE
PYRCAL	*	PYRUS CALLERYANA	ORNAMENTAL PEAR	TREE	5	UPL	ROSACEAE
PYRCOM	*	PYRUS COMMUNIS	PEAR	TREE	5	UPL	ROSACEAE
PYRPYR	*	PYRUS PYRIFOLIA	CHINESE PEAR	TREE	5	UPL	ROSACEAE
QUEALB	5	Quercus alba	WHITE OAK	TREE	3	FACU	FAGACEAE
QUEBIC	7	Quercus bicolor	SWAMP WHITE OAK	TREE	-4	FACW+	FAGACEAE
QUECOC	7	Quercus coccinea	SCARLET OAK	TREE	5	UPL	FAGACEAE
QUEELL	5	Quercus ellipsoidalis	HILL'S OAK	TREE	5	UPL	FAGACEAE
QUEFAL	6	Quercus falcata	SOUTHERN RED OAK	TREE	3	FACU	FAGACEAE
QUEIMB	2	Quercus imbricaria	JACK OAK	TREE	1	FAC-	FAGACEAE
QUELYR	7	Quercus lyrata	OVERCUP OAK	TREE	-5	OBL	FAGACEAE
QUEMAC	5	Quercus macrocarpa	BURR OAK	TREE	1	FAC-	FAGACEAE
QUEMAR	6	Quercus marilandica	BLACKJACK OAK	TREE	5	UPL	FAGACEAE
QUEMIC	7	Quercus michauxii	BASKET OAK	TREE	-3	FACW	FAGACEAE
QUENUT	10	Quercus nuttallii	NUTTALL'S OAK	TREE	-5	OBL	FAGACEAE
QUEPAG	5	Quercus pagoda	CHERRYBARK OAK	TREE	0	FAC	FAGACEAE
QUEPAL	4	Quercus palustris	PIN OAK	TREE	-3	FACW	FAGACEAE
QUEPHE	7	Quercus phellos	WILLOW OAK	TREE	-3	FACW	FAGACEAE
QUEPRA	5	Quercus prinoides v. acuminata	CHINKAPIN OAK	TREE	4	FACU-	FAGACEAE
QUEPRN	9	Quercus prinus	BASKET OAK	TREE	4	FACU-	FAGACEAE
QUERUB	5	Quercus rubra	NORTHERN RED OAK	TREE	3	FACU	FAGACEAE
QUESHS	7	Quercus shumardii	SHUMARD'S OAK	TREE	-2	FACW-	FAGACEAE
QUESSC	7	Quercus shumardii v. schneckii	SCHNECK'S RED OAK	TREE	-2	FACW-	FAGACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
QUESTE	5	Quercus stellata	POST OAK	TREE	4	FACU-	FAGACEAE
QUEVEL	5	Quercus velutina	BLACK OAK	TREE	5	UPL	FAGACEAE
RANABO	1	Ranunculus abortivus	LITTLE-LEAF BUTTERCUP	A-FORB	-2	FACW-	RANUNCULACEAE
RANACR	*	RANUNCULUS ACRIS	TALL BUTTERCUP	P-FORB	-2	FACW-	RANUNCULACEAE
RANAMB	8	Ranunculus ambigens	SPEARWORT	P-FORB	-5	OBL	RANUNCULACEAE
RANARV	*	RANUNCULUS ARVENSIS	CORN BUTTERCUP	A-FORB	0	FAC	RANUNCULACEAE
RANBUL	*	RANUNCULUS BULBOSUS	BULBOUS BUTTERCUP	P-FORB	-3	FACW	RANUNCULACEAE
RANCAR	9	Ranunculus carolinianus	CAROLINA BUTTERCUP	P-FORB	-3	FACW	RANUNCULACEAE
RANCYM	2	Ranunculus cymbalaria	SEASIDE CROWFOOT	P-FORB	-5	OBL	RANUNCULACEAE
RANFAS	5	Ranunculus fascicularis	EARLY BUTTERCUP	P-FORB	3	FACU	RANUNCULACEAE
RANFIC	*	RANUNCULUS FICARIA	LESSER CELANDINE	P-FORB	5	UPL	RANUNCULACEAE
RANFLA	6	Ranunculus flabellaris	YELLOW WATER BUTTERCUP	P-FORB	-5	OBL	RANUNCULACEAE
RANGME	10	Ranunculus gmelinii v. hookeri	SMALL YELLOW WATER-CROWFOOT	P-FORB	-4	FACW+	RANUNCULACEAE
RANHAR	10	Ranunculus harveyi	HARVEY'S BUTTERCUP	P-FORB	4	FACU-	RANUNCULACEAE
RANHIS	5	Ranunculus hispidus	ROUGH BUTTERCUP	P-FORB	0	FAC	RANUNCULACEAE
RANLAX	6	Ranunculus laxicaulis	SPEARWORT	A-FORB	-5	OBL	RANUNCULACEAE
RANLON	6	Ranunculus longirostris	WHITE WATER CROWFOOT	P-FORB	-5	OBL	RANUNCULACEAE
RANMIC	2	Ranunculus micranthus	SMALL-FLOWERED CROWFOOT	P-FORB	1	FAC-	RANUNCULACEAE
RANPAR	*	RANUNCULUS PARVIFLORUS	SMALL-FLOWERED CROWFOOT	A-FORB	0	FAC	RANUNCULACEAE
RANPEN	5	Ranunculus pensylvanicus	BRISTLY CROWFOOT	A-FORB	-5	OBL	RANUNCULACEAE
RANPUS	6	Ranunculus pusillus	SMALL SPEARWORT	A-FORB	-5	OBL	RANUNCULACEAE
RANREC	5	Ranunculus recurvatus	HOOKED BUTTERCUP	A-FORB	-3	FACW	RANUNCULACEAE
RANREP	*	RANUNCULUS REPENS	CREEPING BUTTERCUP	P-FORB	-1	FAC+	RANUNCULACEAE
RANRHO	10	Ranunculus rhomboideus	PLAINS BUTTERCUP	P-FORB	5	UPL	RANUNCULACEAE
RANSAR	*	RANUNCULUS SARDOUS	PAPILLOSE BUTTERCUP	A-FORB	0	FAC	RANUNCULACEAE
RANSCE	3	Ranunculus sceleratus	CURSED CROWFOOT	A-FORB	-5	OBL	RANUNCULACEAE
RANSES	4	Ranunculus septentrionalis	SWAMP BUTTERCUP	P-FORB	-4	FACW+	RANUNCULACEAE
RANSEC	8	Ranunculus septentrionalis v. caricetorum	SWAMP BUTTERCUP	P-FORB	-5	OBL	RANUNCULACEAE
RANTRI	7	Ranunculus trichophyllus	WHITE WATER CROWFOOT	P-FORB	-5	OBL	RANUNCULACEAE
RAPRAP	*	RAPHANUS RAPHANISTRUM	WILD RADISH	A-FORB	5	UPL	BRASSICACEAE
RAPSAT	*	RAPHANUS SATIVUS	RADISH	A-FORB	5	UPL	BRASSICACEAE
RAPRUG	*	RAPISTRUM RUGOSUM	WILD RAPE	A-FORB	5	UPL	BRASSICACEAE
RATCOL	*	RATIBIDA COLUMNIFERA	LONG-HEADED CONEFLOWER	P-FORB	5	UPL	ASTERACEAE
RATPIN	4	Ratibida pinnata	YELLOW CONEFLOWER	P-FORB	5	UPL	ASTERACEAE
REDFLE	*	REDFIELDIA FLEXUOSA	BLOWOUT GRASS	P-GRASS	5	UPL	POACEAE
REHFLO	*	REHSONIA FLORIBUNDA	JAPANESE WISTERIA	W-VINE	5	UPL	FABACEAE
REHSIN	*	REHSONIA SINENSIS	CHINESE WISTERIA	W-VINE	5	UPL	FABACEAE
RESALB	*	RESEDA ALBA	DYER'S ROCKET	A-FORB	5	UPL	RESEDACEAE
RHAALN	10	Rhamnus alnifolia	ALDER BUCKTHORN	SHRUB	-5	OBL	RHAMNACEAE
RHACAR	7	Rhamnus caroliniana	CAROLINA BUCKTHORN	SHRUB	1	FAC-	RHAMNACEAE
RHACAT	*	RHAMNUS CATHARTICA	COMMON BUCKTHORN	SHRUB	3	FACU	RHAMNACEAE
RHADAV	*	RHAMNUS DAVURICA	DAHURIAN BUCKTHORN	SHRUB	5	UPL	RHAMNACEAE
RHAFRA	*	RHAMNUS FRANGULA	GLOSSY BUCKTHORN	SHRUB	-1	FAC+	RHAMNACEAE

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RHAJAP	*	RHAMNUS JAPONICA	JAPANESE BUCKTHORN	SHRUB	5	UPL	RHAMNACEAE
RHALAN	7	Rhamnus lanceolata	LANCE-LEAVED BUCKTHORN	SHRUB	-1	FAC+	RHAMNACEAE
RHAUTI	*	RHAMNUS UTILIS	CHINESE BUCTHORN	SHRUB	3	FACU	RHAMNACEAE
RHERHA	*	RHEUM RHAPONTICUM	RHUBARB	P-FORB	5	UPL	POLYGONACEAE
RHEMAR	10	Rhexia mariana	MEADOW BEAUTY	P-FORB	-5	OBL	MELASTOMATACEAE
RHEVIR	10	Rhexia virginica	MEADOW BEAUTY	P-FORB	-5	OBL	MELASTOMATACEAE
RHOPER	10	Rhododendron periclymenoides	PINK AZALEA	SHRUB	0	FAC	ERICACEAE
RHOPRI	10	Rhododendron prinophyllum	PINK AZALEA	SHRUB	0	FAC	ERICACEAE
RHOSCA	*	RHODOTYPOS SCANDENS	JETBEAD	SHRUB	5	UPL	ROSACEAE
RHUARM	4	Rhus aromatica	AROMATIC SUMAC	SHRUB	5	UPL	ANACARDIACEAE
RHUAAR	6	Rhus aromatica v. arenaria	BEACH SUMAC	SHRUB	5	UPL	ANACARDIACEAE
RHUARS	6	Rhus aromatica v. serotina	FRAGRANT SUMAC	SHRUB	5	UPL	ANACARDIACEAE
RHUCOP	3	Rhus copallina	DWARF SUMAC	SHRUB	5	UPL	ANACARDIACEAE
RHUGLA	1	Rhus glabra	SMOOTH SUMAC	SHRUB	5	UPL	ANACARDIACEAE
RHUTYP	2	Rhus typhina	STAGHORN SUMAC	SHRUB	5	UPL	ANACARDIACEAE
RHYALB	10	Rhynchospora alba	WHITE BEAK RUSH	P-SEDGE	-5	OBL	CYPERACEAE
RHYCAL	10	Rhynchospora capillacea	HAIR BEAK RUSH	P-SEDGE	-5	OBL	CYPERACEAE
RHYCAT	10	Rhynchospora capitellata	BROWN BEAK RUSH	P-SEDGE	-5	OBL	CYPERACEAE
RHYCOR	7	Rhynchospora corniculata	HORNED BEAK RUSH	P-SEDGE	-5	OBL	CYPERACEAE
RHYGLB	10	Rhynchospora globularis	GRASS BEAK RUSH	P-SEDGE	-3	FACW	CYPERACEAE
RHYGLM	10	Rhynchospora glomerata	ROUND-HEADED BEAK RUSH	P-SEDGE	-5	OBL	CYPERACEAE
RIBAME	5	Ribes americanum	WILD BLACK CURRENT	SHRUB	-3	FACW	GROSSULARIACEAE
RIBCYN	4	Ribes cynosbati	PRICKLY WILD GOOSEBERRY	SHRUB	5	UPL	GROSSULARIACEAE
RIBHIR	10	Ribes hirtellum	NORTHERN GOOSEBERRY	SHRUB	-3	FACW	GROSSULARIACEAE
RIBMIS	2	Ribes missouriense	MISSOURI GOOSEBERRY	SHRUB	5	UPL	GROSSULARIACEAE
RIBNIG	*	RIBES NIGRUM	BLACK CURRENT	SHRUB	5	UPL	GROSSULARIACEAE
RIBODO	*	RIBES ODORATUM	BUFFALO CURRENT	SHRUB	1	FAC-	GROSSULARIACEAE
RIBRUB	*	RIBES RUBRUM	RED CURRENT	SHRUB	5	UPL	GROSSULARIACEAE
RIBTRI	2	Ribes triste	SWAMP RED CURRANT	SHRUB	5	UPL	GROSSULARIACEAE
RICCOM	*	RICINUS COMMUNIS	CASTOR BEAN	A-FORB	4	FACU-	EUPHORBIACEAE
ROBHIS	*	ROBINIA HISPIDA	BRISTLY LOCUST	SHRUB	5	UPL	FABACEAE
ROBPSE	1	Robinia pseudo-acacia	BLACK LOCUST	TREE	4	FACU-	FABACEAE
ROBVIS	*	ROBINIA VISCOSA	CLAMMY LOCUST	TREE	5	UPL	FABACEAE
RORISI	4	Rorippa palustris	MARSH YELLOW CRESS	A-FORB	-5	OBL	BRASSICACEAE
RORISF	4	Rorippa palustris v. fernaldiana	MARSH YELLOW CRESS	A-FORB	-5	OBL	BRASSICACEAE
RORISH	4	Rorippa palustris v. hispida	HAIRY MARSH YELLOW CRESS	A-FORB	-5	OBL	BRASSICACEAE
RORSES	3	Rorippa sessiliflora	SESSILE-FLOWERED CRESS	A-FORB	-5	OBL	BRASSICACEAE
RORSIN	3	Rorippa sinuata	SPREADING YELLOW CRESS	P-FORB	-3	FACW	BRASSICACEAE
RORSYL	*	RORIPPA SYLVESTRIS	CREEPING YELLOW CRESS	P-FORB	-5	OBL	BRASSICACEAE
RORTRU	5	Rorippa truncata	BLUNT-LEAVED YELLOW CRESS	A-FORB	0	FAC	BRASSICACEAE
ROSACI	9	Rosa acicularis	PRICKLY ROSE	SHRUB	3	FACU	ROSACEAE
ROSBLA	4	Rosa blanda	EARLY WILD ROSE	SHRUB	3	FACU	ROSACEAE
ROSCAN	*	ROSA CANINA	DOG ROSE	SHRUB	5	UPL	ROSACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
ROSCAR	4	Rosa carolina	PASTURE ROSE	SHRUB	4	FACU-	ROSACEAE
ROSEGL	*	ROSA EGLANTERIA	SWEETBRIER	SHRUB	5	UPL	ROSACEAE
ROSGAL	*	ROSA GALLICA	FRENCH ROSE	SHRUB	5	UPL	ROSACEAE
ROSMIC	*	ROSA MICRANTHA	SMALL SWEETBRIER	SHRUB	3	FACU	ROSACEAE
ROSMOS	*	ROSA MOSCHATA	MUSK ROSE	SHRUB	5	UPL	ROSACEAE
ROSMUL	*	ROSA MULTIFLORA	JAPANESE ROSE	SHRUB	3	FACU	ROSACEAE
ROSPAL	7	Rosa palustris	SWAMPY ROSE	SHRUB	-5	OBL	ROSACEAE
ROSRUB	*	ROSA RUBRIFOLIA	RED-LEAVED ROSE	SHRUB	5	UPL	ROSACEAE
ROSRUD	5	Rosa rudiuscula	ROUGH ROSE	SHRUB	5	UPL	ROSACEAE
ROSRUG	*	ROSA RUGOSA	RUGOSE ROSE	SHRUB	3	FACU	ROSACEAE
ROSSET	5	Rosa setigera	ILLINOIS ROSE	SHRUB	2	FACU+	ROSACEAE
ROSSPI	*	ROSA SPINOSISSIMA	BURNET ROSE	SHRUB	5	UPL	ROSACEAE
ROSSUF	5	Rosa suffulta	SUNSHINE ROSE	SHRUB	5	UPL	ROSACEAE
ROSVIR	*	ROSA VIRGINIANA	VIRGINIA ROSE	SHRUB	0	FAC	ROSACEAE
ROTRAM	4	Rotala ramosior	WHEELWORT	A-FORB	-5	OBL	LYTHRACEAE
RUBALL	2	Rubus allegheniensis	COMMON BLACKBERRY	SHRUB	2	FACU+	ROSACEAE
RUBARG	3	Rubus argutus	HIGHBUSH BLACKBERRY	SHRUB	1	FAC-	ROSACEAE
RUBDIS	*	RUBUS DISCOLOR	HIMALAYA BERRY	SHRUB	5	UPL	ROSACEAE
RUBENS	7	Rubus enslenii	ARCHING DEWBERRY	SHRUB	5	UPL	ROSACEAE
RUBFLA	2	Rubus flagellaris	COMMON DEWBERRY	SHRUB	4	FACU-	ROSACEAE
RUBHIS	8	Rubus hispidus	SWAMPY DEWBERRY	SHRUB	-3	FACW	ROSACEAE
RUBIDA	*	RUBUS IDAEUS	CULTIVATED RASPBERRY	SHRUB	2	FACU+	ROSACEAE
RUBLAC	*	RUBUS LACINIATUS	CUT-LEAVED BLACKBERRY	SHRUB	5	UPL	ROSACEAE
RUBOCC	2	Rubus occidentalis	BLACK RASPBERRY	SHRUB	3	FACU	ROSACEAE
RUBODO	6	Rubus odoratus	PURPLE FLOWERING RASPBERRY	SHRUB	5	UPL	ROSACEAE
RUBPEN	2	Rubus pensylvanicus	YANKEE BLACKBERRY	SHRUB	1	FAC-	ROSACEAE
RUBPHO	*	RUBUS PHOENICOLASIUS	WINEBERRY	SHRUB	5	UPL	ROSACEAE
RUBPUB	10	Rubus pubescens	DWARF RASPBERRY	P-FORB	-4	FACW+	ROSACEAE
RUBSCH	10	Rubus schneideri	BRISTLY BLACKBERRY	P-FORB	5	UPL	ROSACEAE
RUBSTR	6	Rubus strigosus	RED RASPBERRY	P-FORB	-2	FACW-	ROSACEAE
RUBTRI	5	Rubus trivialis	SOUTHERN DEWBERRY	SHRUB	2	FACU+	ROSACEAE
RUDFUF	7	Rudbeckia fulgida	ORANGE CONEFLOWER	P-FORB	-5	OBL	ASTERACEAE
RUDFUS	6	Rudbeckia fulgida v. sullivantii	SULLIVANT'S ORANGE CONEFLOWER	P-FORB	-5	OBL	ASTERACEAE
RUDGRA	*	RUDBECKIA GRANDIFLORA	LARGE BLACK-EYED SUSAN	P-FORB	5	UPL	ASTERACEAE
RUDHIR	2	Rudbeckia hirta	BLACK-EYED SUSAN	P-FORB	3	FACU	ASTERACEAE
RUDLAC	3	Rudbeckia laciniata	WILD GOLDEN GLOW	P-FORB	-4	FACW+	ASTERACEAE
RUDMIS	10	Rudbeckia missouriensis	MISSOURI BLACK-EYED SUSAN	P-FORB	4	FACU-	ASTERACEAE
RUDSUB	5	Rudbeckia subtomentosa	SWEET BLACK-EYED SUSAN	P-FORB	-3	FACW	ASTERACEAE
RUDTRI	3	Rudbeckia triloba	BROWN-EYED SUSAN	A-FORB	1	FAC-	ASTERACEAE
RUECAR	8	Ruellia caroliniensis v. dentata	WILD PETUNIA	P-FORB	5	UPL	ACANTHACEAE
RUEHUH	3	Ruellia humilis	HAIRY RUELLIA	P-FORB	4	FACU-	ACANTHACEAE
RUEHUL	3	Ruellia humilis v. longiflora	HAIRY RUELLIA	P-FORB	4	FACU-	ACANTHACEAE
RUEPED	7	Ruellia pedunculata	STALKED WILD PETUNIA	P-FORB	5	UPL	ACANTHACEAE

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RUESTR	6	Ruellia strepens	SMOOTH RUELLIA	P-FORB	-1	FAC+	ACANTHACEAE
RUMACE	*	RUMEX ACETOSELLA	FIELD SORREL	P-FORB	0	FAC	POLYGONACEAE
RUMALT	2	Rumex altissimus	PALE DOCK	P-FORB	4	FACU-	POLYGONACEAE
RUMCRP	*	RUMEX CRISPUS	CURLY DOCK	P-FORB	-1	FAC+	POLYGONACEAE
RUMCRT	*	RUMEX CRISTATUS	CRESTED DOCK	P-FORB	5	UPL	POLYGONACEAE
RUMHAS	4	Rumex hastatulus	SOUR DOCK	P-FORB	3	FACU	POLYGONACEAE
RUMLON	*	RUMEX LONGIFOLIUS	LONG-LEAVED DOCK	B-FORB	5	UPL	POLYGONACEAE
RUMMAR	2	Rumex maritimus v. fueginus	GOLDEN DOCK	A-FORB	-4	FACW+	POLYGONACEAE
RUMMEX	1	Rumex mexicanus	MEXICAN DOCK	P-FORB	-1	FAC+	POLYGONACEAE
RUMOBT	*	RUMEX OBTUSIFOLIUS	BITTER DOCK	P-FORB	-3	FACW	POLYGONACEAE
RUMORB	7	Rumex orbiculatus	GREAT WATER DOCK	P-FORB	-5	OBL	POLYGONACEAE
RUMPAT	*	RUMEX PATIENTIA	PATIENCE DOCK	P-FORB	5	UPL	POLYGONACEAE
RUMVER	5	Rumex verticillatus	SWAMP DOCK	P-FORB	-5	OBL	POLYGONACEAE
RUPMAR	10	Ruppia maritima v. rostrata	DITCH GRASS	P-FORB	-5	OBL	RUPPIACEAE
RUTGRA	*	RUTA GRAVEOLENS	RUE	SHRUB	5	UPL	RUTACEAE
SABANG	3	Sabatia angularis	ROSE GENTIAN	B-FORB	-1	FAC+	GENTIANACEAE
SABCAM	8	Sabatia campestris	PRAIRIE ROSE GENTIAN	B-FORB	3	FACU	GENTIANACEAE
SAGPRO	*	SAGINA PROCUMBENS	PEARLWORT	P-FORB	5	UPL	CARYOPHYLLACEAE
SAGBRE	5	Sagittaria brevirostra	SHORT-BEAKED ARROWLEAF	P-FORB	-5	OBL	ALISMATACEAE
SAGCAL	6	Sagittaria calycina	THICK-STALKED ARROWHEAD	P-FORB	-5	OBL	ALISMATACEAE
SAGCUN	7	Sagittaria cuneata	ARUM-LEAVED ARROWHEAD	P-FORB	-5	OBL	ALISMATACEAE
SAGGRA	7	Sagittaria graminea	GRASS-LEAVED ARROWHEAD	P-FORB	-5	OBL	ALISMATACEAE
SAGLAT	4	Sagittaria latifolia	COMMON ARROWHEAD	P-FORB	-5	OBL	ALISMATACEAE
SAGLON	10	Sagittaria longirostra	LONG-BEAKED ARROWHEAD	P-FORB	-5	OBL	ALISMATACEAE
SAGRIG	8	Sagittaria rigida	STIFF ARROWHEAD	P-FORB	-5	OBL	ALISMATACEAE
SALEUR	*	SALICORNIA EUROPAEA	GLASSWORT	A-FORB	-5	OBL	CHENOPODIACEAE
SALALA	*	SALIX ALBA	WHITE WILLOW	TREE	-3	FACW	SALICACEAE
SALALT	*	SALIX ALBA 'TRISTIS'	WEEPING WILLOW	TREE	3	FACU	SALICACEAE
SALAMY	4	Salix amygdaloides	PEACH-LEAVED WILLOW	TREE	-3	FACW	SALICACEAE
SALBEB	7	Salix bebbiana	BEAKED WILLOW	SHRUB	-4	FACW+	SALICACEAE
SALCAN	10	Salix candida	HOARY WILLOW	SHRUB	-5	OBL	SALICACEAE
SALCAP	*	SALIX CAPREA	GOAT WILLOW	SHRUB	5	UPL	SALICACEAE
SALCAR	6	Salix caroliniana	CAROLINA WILLOW	TREE	-5	OBL	SALICACEAE
SALCIN	*	SALIX CINEREA	GRAY WILLOW	SHRUB	5	UPL	SALICACEAE
SALDIS	4	Salix discolor	PUSSY WILLOW	SHRUB	-3	FACW	SALICACEAE
SALERI	8	Salix eriocephala	HEART-LEAVED WILLOW	SHRUB	-3	FACW	SALICACEAE
SALEXI	1	Salix exigua	SANDBAR WILLOW	SHRUB	-5	OBL	SALICACEAE
SALFRA	*	SALIX FRAGILIS	CRACK WILLOW	TREE	-1	FAC+	SALICACEAE
SALGLA	3	Salix ×glatfelteri	HYBRID BLACK WILLOW	TREE	-5	OBL	SALICACEAE
SALGLA	8	Salix glaucophylloides v. glaucophylla	BLUE-LEAF WILLOW	SHRUB	-3	FACW	SALICACEAE
SALHUM	5	Salix humilis	PRAIRIE WILLOW	SHRUB	3	FACU	SALICACEAE
SALLUC	10	Salix lucida	SHINING WILLOW	SHRUB	-4	FACW+	SALICACEAE
SALNIG	3	Salix nigra	BLACK WILLOW	TREE	-5	OBL	SALICACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
SALPED	10	Salix pedicellaris v. hypoglauca	BOG WILLOW	SHRUB	-5	OBL	SALICACEAE
SALPEN	*	SALIX PENTANDRA	BAY-LEAVED WILLOW	SHRUB	5	UPL	SALICACEAE
SALPET	6	Salix petiolaris	MEADOW WILLOW	SHRUB	-5	OBL	SALICACEAE
SALPUP	*	SALIX PURPUREA	BASKET WILLOW	SHRUB	-3	FACW	SALICACEAE
SALRIG	5	Salix rigida	HEART-LEAVED WILLOW	SHRUB	-4	FACW+	SALICACEAE
SALRUB	*	SALIX ×RUBENS	HYBRID CRACK WILLOW	TREE	-4	FACW+	SALICACEAE
SALSEC	8	Salix sericea	SILKY WILLOW	SHRUB	-5	OBL	SALICACEAE
SALSES	10	Salix serissima	AUTUMN WILLOW	SHRUB	-5	OBL	SALICACEAE
SALSYR	6	Salix ×subsericea	WILLOW	SHRUB	-5	OBL	SALICACEAE
SALSUB	10	Salix syrticola	DUNE WILLOW	SHRUB	-1	FAC+	SALICACEAE
SALCOL	*	SALSOLA COLLINA	SALTWORT	A-FORB	5	UPL	CHENOPODIACEAE
SALIBE	*	SALSOLA IBERICA	RUSSIAN THISTLE	A-FORB	3	FACU	CHENOPODIACEAE
SALAZN	9	Salvia azurea v. grandiflora	BLUE SAGE	P-FORB	5	UPL	LAMIACEAE
SALAZA	*	SALVIA AZUREA v. GRANDIFLORA	BLUE SAGE	P-FORB	5	UPL	LAMIACEAE
SALLYR	4	Salvia lyrata	CANCER WEED	P-FORB	-2	FACW-	LAMIACEAE
SALNEM	*	SALVIA NEMOROSA	WILD SAGE	P-FORB	5	UPL	LAMIACEAE
SALPRA	*	SALVIA PRATENSIS	MEADOW SAGE	P-FORB	5	UPL	LAMIACEAE
SALREF	*	SALVIA REFLEXA	ROCKY MOUNTAIN SAGE	A-FORB	5	UPL	LAMIACEAE
SALVER	*	SALVIA VERTICILLATA	SAGE	P-FORB	5	UPL	LAMIACEAE
SAMCAN	2	Sambucus canadensis	COMMON ELDER	SHRUB	4	FACU-	CAPRIFOLIACEAE
SAMRAC	10	Sambucus racemosa v. pubens	RED-BERRIED ELDER	SHRUB	5	UPL	CAPRIFOLIACEAE
SAMVAL	5	Samolus valerandii	BROOKWEED	P-FORB	-5	OBL	PRIMULACEAE
SANCAD	5	Sanguinaria canadensis	BLOODROOT	P-FORB	4	FACU-	PAPAVERACEAE
SANCAE	10	Sanguisorba canadensis	AMERICAN BURNET	P-FORB	-4	FACW+	ROSACEAE
SANMIN	*	SANGUISORBA MINOR	GARDEN BURNET	P-FORB	0	FAC	ROSACEAE
SANCAS	4	Sanicula canadensis	CANADIAN BLACK SNAKEROOT	B-FORB	2	FACU+	APIACEAE
SANGRE	2	Sanicula gregaria	CLUSTERED BLACK SNAKEROOT	P-FORB	-1	FAC+	APIACEAE
SANMAR	6	Sanicula marilandica	BLACK SNAKEROOT	P-FORB	5	UPL	APIACEAE
SANTRI	8	Sanicula trifoliata	BEAKED BLACK SNAKEROOT	B-FORB	5	UPL	APIACEAE
SANPRO	*	SANVITALIA PROCUMBENS	CREEPING ZINNIA	P-FORB	5	UPL	ASTERACEAE
SAPOFF	*	SAPONARIA OFFICINALIS	BOUNCING BET	P-FORB	3	FACU	CARYOPHYLLACEAE
SARPUR	10	Sarracenia purpurea	PITCHER PLANT	P-FORB	-5	OBL	SARRACENIACEAE
SASALB	2	Sassafras albidum	SASSAFRAS	TREE	3	FACU	LAURACEAE
SATHOR	*	SATUREJA HORTENSIS	SUMMER SAVORY	A-FORB	5	UPL	LAMIACEAE
SAUCER	5	Saururus cernuus	LIZARD'S TAIL	P-FORB	-5	OBL	SAURURACEAE
SAXFOR	10	Saxifraga forbesii	FORBES' SAXIFRAGE	P-FORB	-5	OBL	SAXIFRAGACEAE
SAXPEN	10	Saxifraga pensylvanica	SWAMP SAXIFRAGE	P-FORB	-5	OBL	SAXIFRAGACEAE
SAXVIR	10	Saxifraga virginiensis	EARLY SAXIFRAGE	P-FORB	1	FAC-	SAXIFRAGACEAE
SCHPAN	5	Schedonnardus paniculatus	TUMBLE GRASS	P-GRASS	5	UPL	POACEAE
SCHPAL	10	Scheuchzeria palustris v. americana	ARROW-GRASS	P-FORB	-5	OBL	JUNCAGINACEAE
SCHPUR	10	Schizachne purpurascens	FALSE MELIC GRASS	P-GRASS	2	FACU+	POACEAE
SCHSCO	5	Schizachyrium scoparium	LITTLE BLUESTEM	P-GRASS	4	FACU-	POACEAE
SCHUNC	7	Schrankia uncinata	CAT-CLAW	H-VINE	5	UPL	MIMOSACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
SCISIB	*	SCILLA SIBIRICA	SIBERIAN SQUILL	P-FORB	5	UPL	LILIACEAE
SCIACU	6	Scirpus acutus	HEARD-STEMMED BULRUSH	P-SEDGE	-5	OBL	CYPERACEAE
SCIAME	3	Scirpus americanus	CHAIRMAKER'S RUSH	P-SEDGE	-5	OBL	CYPERACEAE
SCIATC	10	Scirpus atrocinctus	DARK-COLORED RUSH	P-SEDGE	-5	OBL	CYPERACEAE
SCIATR	4	Scirpus atrovirens	DARK GREEN RUSH	P-SEDGE	-5	OBL	CYPERACEAE
SCICES	10	Scirpus cespitosus v. callosus	TUFTED BULRUSH	P-SEDGE	-5	OBL	CYPERACEAE
SCICYP	5	Scirpus cyperinus	WOOL GRASS	P-SEDGE	-5	OBL	CYPERACEAE
SCIFLU	3	Scirpus fluviatilis	RIVER BULRUSH	P-SEDGE	-5	OBL	CYPERACEAE
SCIGEO	4	Scirpus georgianus	BRISTLELESS DARK GREEN RUSH	P-SEDGE	-5	OBL	CYPERACEAE
SCIHAL	10	Scirpus hallii	HALL'S TUFTED BULRUSH	A-SEDGE	-5	OBL	CYPERACEAE
SCIHAT	5	Scirpus hattorianus	EARLY DARK GREEN RUSH	P-SEDGE	-5	OBL	CYPERACEAE
SCIHET	7	Scirpus heterochaetus	SLENDER BULRUSH	P-SEDGE	-5	OBL	CYPERACEAE
SCIKOI	8	Scirpus koilolepis	KEELED BULRUSH	A-SEDGE	-4	FACW+	CYPERACEAE
SCIMIM	7	Scirpus micranthus	SMALL-FLOWERED RUSH	A-SEDGE	-5	OBL	CYPERACEAE
SCIMID	7	Scirpus micranthus v. drummondii	SMALL-FLOWERED RUSH	A-SEDGE	-5	OBL	CYPERACEAE
SCIMIP	10	Scirpus microcarpus	SMALL-FRUITED RUSH	P-SEDGE	-5	OBL	CYPERACEAE
SCIMUC	*	SCIRPUS MUCRONATUS	POINTED RUSH	A-SEDGE	-5	OBL	CYPERACEAE
SCIPAL	4	Scirpus paludosus	ALKALI BULRUSH	P-SEDGE	-5	OBL	CYPERACEAE
SCIPED	10	Scirpus pedicellatus	STALKED WOOL GRASS	P-SEDGE	-5	OBL	CYPERACEAE
SCIPEN	3	Scirpus pendulus	RED BULRUSH	P-SEDGE	-5	OBL	CYPERACEAE
SCIPOL	10	Scirpus polyphyllus	LEAFY WOOL GRASS	P-SEDGE	-5	OBL	CYPERACEAE
SCIPUR	10	Scirpus purshianus	PURSH'S TUFTED BULRUSH	A-SEDGE	-5	OBL	CYPERACEAE
SCISMI	10	Scirpus smithii	SMITH'S TUFTED BULRUSH	A-SEDGE	-5	OBL	CYPERACEAE
SCISUB	10	Scirpus subterminalis	WATER BULRUSH	P-SEDGE	-5	OBL	CYPERACEAE
SCITAB	4	Scirpus tabernaemontanii	GREAT BULRUSH	P-SEDGE	-5	OBL	CYPERACEAE
SCITOR	9	Scirpus torreyi	TORREY'S BULRUSH	P-SEDGE	-5	OBL	CYPERACEAE
SCIVER	10	Scirpus verecundus	BULRUSH	P-SEDGE	-5	OBL	CYPERACEAE
SCLANN	*	SCLERANTHUS ANNUUS	KNAWEL	A-FORB	3	FACU	CARYOPHYLLACEAE
SCLOLI	10	Scleria oligantha	SMOOTH-SEEDED NUT RUSH	P-SEDGE	2	FACU+	CYPERACEAE
SCLPAP	10	Scleria pauciflora	FEW-FLOWERED NUT RUSH	P-SEDGE	3	FACU	CYPERACEAE
SCLPAC	10	Scleria pauciflora v. caroliniana	FEW-FLOWERED NUT RUSH	P-SEDGE	3	FACU	CYPERACEAE
SCLRET	10	Scleria reticularis	NETTED NUT RUSH	A-SEDGE	-5	OBL	CYPERACEAE
SCLTRI	9	Scleria triglomerata	TALL NUT GRASS	P-SEDGE	0	FAC	CYPERACEAE
SCLVER	10	Scleria verticillata	LOW NUT RUSH	A-SEDGE	-5	OBL	CYPERACEAE
SCLDUR	*	SCLEROCHLOA DURA	FAIRGROUND GRASS	A-GRASS	5	UPL	POACEAE
SCRLAN	5	Scrophularia lanceolata	EARLY FIGWORT	P-FORB	2	FACU+	SCROPHULARIACEAE
SCRMAR	4	Scrophularia marilandica	LATE FIGWORT	P-FORB	4	FACU-	SCROPHULARIACEAE
SCUAUS	6	Scutellaria australis	SMALL SKULLCAP	P-FORB	3	FACU	LAMIACEAE
SCUELL	6	Scutellaria elliptica	HAIRY SKULLCAP	B-FORB	5	UPL	LAMIACEAE
SCUGAL	6	Scutellaria galericulata	MARSH SKULLCAP	P-FORB	-5	OBL	LAMIACEAE
SCUINC	5	Scutellaria incana	DOWNY SKULLCAP	P-FORB	5	UPL	LAMIACEAE
SCULAT	4	Scutellaria lateriflora	MAD-DOG SKULLCAP	P-FORB	-5	OBL	LAMIACEAE
SCULEO	5	Scutellaria leonardii	SMALL SKULLCAP	P-FORB	3	FACU	LAMIACEAE

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SCUNER	5	Scutellaria nervosa	VEINY SKULLCAP	B-FORB	0	FAC	LAMIACEAE
SCUOVA	5	Scutellaria ovata	HEART-LEAVED SKULLCAP	P-FORB	3	FACU	LAMIACEAE
SCUPAR	6	Scutellaria parvula	SMALL SKULLCAP	P-FORB	3	FACU	LAMIACEAE
SECCER	*	SECALE CEREALE	RYE	A-GRASS	5	UPL	POACEAE
SEDACR	*	SEDUM ACRE	MOSSY STONECROP	P-FORB	5	UPL	CRASSULACEAE
SEDALO	*	SEDUM ALBO-ROSEUM	GARDEN ORPINE	P-FORB	5	UPL	CRASSULACEAE
SEDALU	*	SEDUM ALBUM	WHITE STONECROP	P-FORB	5	UPL	CRASSULACEAE
SEDPUL	8	Sedum pulchellum	WIDOW'S CROSS	P-FORB	4	FACU-	CRASSULACEAE
SEDPUR	*	SEDUM PURPUREUM	LIVE-FOREVER	P-FORB	5	UPL	CRASSULACEAE
SEDRUP	*	SEDUM RUPESTRE	ROCKY STONECROP	P-FORB	5	UPL	CRASSULACEAE
SEDSAR	*	SEDUM SARMENTOSUM	YELLOW STONECROP	P-FORB	5	UPL	CRASSULACEAE
SEDSPU	*	SEDUM SPURIUM	FALSE WILD STONECROP	P-FORB	5	UPL	CRASSULACEAE
SEDTEL	10	Sedum telephioides	AMERICAN ORPINE	P-FORB	5	UPL	CRASSULACEAE
SEDTER	9	Sedum ternatum	THREE-LEAVED STONECROP	P-FORB	5	UPL	CRASSULACEAE
SELAPO	7	Selaginella apoda	MARSH CLUB MOSS	FERN	-5	OBL	SELAGINELLACEAE
SELECL	10	Selaginella eclipes	SMALL CLUBMOSS	FERN	-5	OBL	SELAGINELLACEAE
SELRUP	8	Selaginella rupestris	ROCK SELAGINELLA	FERN	5	UPL	SELAGINELLACEAE
SENAUR	4	Senecio aureus	GOLDEN RAGWORT	P-FORB	-3	FACW	ASTERACEAE
SENGLA	0	Senecio glabellus	BUTTERWEED	A-FORB	-5	OBL	ASTERACEAE
SENJAC	*	SENECIO JACOBAEA	TANSY RAGWORT	B-FORB	5	UPL	ASTERACEAE
SENOBO	8	Senecio obovatus	ROUND-LEAVED RAGWORT	P-FORB	4	FACU-	ASTERACEAE
SENPAU	3	Senecio pauperculus	BALSAM RAGWORT	P-FORB	-1	FAC+	ASTERACEAE
SENPLA	6	Senecio plattensis	PRAIRIE RAGWORT	P-FORB	4	FACU-	ASTERACEAE
SENVIS	*	SENECIO VISCOSUS	STICKY GROUNDSEL	A-FORB	5	UPL	ASTERACEAE
SENVUL	*	SENECIO VULGARIS	COMMON GROUNDSEL	A-FORB	5	UPL	ASTERACEAE
SESMAC	3	Sesbania macrocarpa	SESBANIA	A-FORB	5	UPL	FABACEAE
SETFAB	*	SETARIA FABERI	GIANT FOXTAIL	A-GRASS	2	FACU+	POACEAE
SETGEN	6	Setaria geniculata	PERENNIAL FOXTAIL	P-GRASS	0	FAC	POACEAE
SETGLA	*	SETARIA GLAUCA	PIGEON GRASS	A-GRASS	0	FAC	POACEAE
SETITA	*	SETARIA ITALICA	FOXTAIL MILLET	A-GRASS	3	FACU	POACEAE
SETVER	*	SETARIA VERTICILLATA	BRISTLY FOXTAIL	A-GRASS	0	FAC	POACEAE
SETVIV	*	SETARIA VIRIDIS	GREEN FOXTAIL	A-GRASS	5	UPL	POACEAE
SETVIM	*	SETARIA VIRIDIS v. MAJOR	GIANT GREEN FOXTAIL	A-GRASS	5	UPL	POACEAE
SHECAN	10	Shepherdia canadensis	BUFFALO BERRY	SHRUB	5	UPL	ELAEAGNACEAE
SHEARV	*	SHERARDIA ARVENSIS	FIELD MADDER	A-FORB	5	UPL	RUBIACEAE
SIBVIR	0	Sibara virginica	VIRGINIA ROCK CRESS	A FORB	4	FACU-	BRASSICACEAE
SICANG	3	Sicyos angulatus	BUR CUCUMBER	H-VINE	-2	FACW-	CUCURBITACEAE
SIDELL	5	Sida elliottii	ELLIOTT'S TEA WEED	P-FORB	5	UPL	MALVACEAE
SIDSPI	*	SIDA SPINOSA	PRICKLY SIDA	A-FORB	3	FACU	MALVACEAE
SIDHIS	5	Sidopsis hispida	FALSE MALLOW	A-FORB	5	UPL	MALVACEAE
SILANT	1	Silene antirrhina	SLEEPY CATCHFLY	A-FORB	5	UPL	CARYOPHYLLACEAE
SILARM	*	SILENE ARMERIA	SWEET WILLIAM CATCHFLY	A-FORB	5	UPL	CARYOPHYLLACEAE
SILCSE	*	SILENE CSEREI	GLAUCOUS CAMPION	B-FORB	5	UPL	CARYOPHYLLACEAE

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SILCUC	*	SILENE CUCUBALUS	BLADDER CAMPION	P-FORB	5	UPL	CARYOPHYLLACEAE
SILDIC	*	SILENE DICHOTOMA	FORKED CATCHFLY	B-FORB	5	UPL	CARYOPHYLLACEAE
SILNIV	8	Silene nivea	SNOWY CAMPION	P-FORB	-3	FACW	CARYOPHYLLACEAE
SILNOC	*	SILENE NOCTIFLORA	NIGHT-FLOWERING CATCHFLY	A-FORB	5	UPL	CARYOPHYLLACEAE
SILOVA	10	Silene ovata	WOODLAND CATCHFLY	P-FORB	5	UPL	CARYOPHYLLACEAE
SILREG	9	Silene regia	ROYAL CATCHFLY	P-FORB	5	UPL	CARYOPHYLLACEAE
SILSTE	6	Silene stellata	STARRY CAMPION	P-FORB	5	UPL	CARYOPHYLLACEAE
SILVIR	9	Silene virginica	FIRE PINK	P-FORB	5	UPL	CARYOPHYLLACEAE
SILINT	5	Silphium integrifolium	ROSIN WEED	P-FORB	5	UPL	ASTERACEAE
SILLAC	5	Silphium laciniatum	COMPASS PLANT	P-FORB	4	FACU-	ASTERACEAE
SILPER	4	Silphium perfoliatum	CUP PLANT	P-FORB	-2	FACW-	ASTERACEAE
SILSPE	*	SILPHIUM SPECIOSUM	ROSIN WEED	P-FORB	5	UPL	ASTERACEAE
SILTER	4	Silphium terebinthinaceum	PRAIRIE DOCK	P-FORB	1	FAC-	ASTERACEAE
SILTRI	10	Silphium trifoliatum	ROSIN WEED	P-FORB	5	UPL	ASTERACEAE
SISALT	*	SISYMBRIUM ALTISSIMUM	TUMBLE MUSTARD	A-FORB	3	FACU	BRASSICACEAE
SISLOE	*	SISYMBRIUM LOESELII	TALL HEDGE MUSTARD	A-FORB	5	UPL	BRASSICACEAE
SISOFF	*	SISYMBRIUM OFFICINALE	HEDGE MUSTARD	A-FORB	5	UPL	BRASSICACEAE
SISALB	4	Sisyrinchium albidum	COMMON BLUE-EYED GRASS	P-FORB	3	FACU	IRIDACEAE
SISANG	5	Sisyrinchium angustifolium	STOUT BLUE-EYED GRASS	P-FORB	-2	FACW-	IRIDACEAE
SISATL	10	Sisyrinchium atlanticum	EASTERN BLUE-EYED GRASS	P-FORB	-3	FACW	IRIDACEAE
SISCAM	6	Sisyrinchium campestre	PRAIRIE BLUE-EYED GRASS	P-FORB	5	UPL	IRIDACEAE
SISMON	9	Sisyrinchium montanum	MOUNTAIN BLUE-EYED GRASS	P-FORB	-1	FAC+	IRIDACEAE
SISMUC	9	Sisyrinchium mucronatum	BLUE-EYED GRASS	P-FORB	-2	FACW-	IRIDACEAE
SITHYS	*	SITANION HYSTRIX	BOTTLEBRUSH SQUIRREL TAIL	P-GRASS	5	UPL	POACEAE
SIUSUA	5	Sium suave	WATER PARSNIP	P-FORB	-5	OBL	APIACEAE
SMIRAC	4	Smilacina racemosa	FEATHERY FALSE SOLOMON SEAL	P-FORB	3	FACU	LILIACEAE
SMISTE	5	Smilacina stellata	STARRY FALSE SOLOMON SEAL	P-FORB	1	FAC-	LILIACEAE
SMIBON	5	Smilax bona-nox	BULL BRIER	W-VINE	2	FACU+	SMILACACEAE
SMIECI	5	Smilax ecirrhata	UPRIGHT CARRION FLOWER	P-FORB	5	UPL	SMILACACEAE
SMIGLA	6	Smilax glauca	GREEN BRIER	W-VINE	3	FACU	SMILACACEAE
SMIHER	4	Smilax herbacea	CARRION FLOWER	H-VINE	0	FAC	SMILACACEAE
SMIHIS	3	Smilax hispida	BRISTLY GREEN BRIER	W-VINE	0	FAC	SMILACACEAE
SMIILL	5	Smilax illinoensis	ILLINOIS CARRION FLOWER	P-FORB	5	UPL	SMILACACEAE
SMILAS	4	Smilax lasioneuron	COMMON CARRION FLOWER	H-VINE	5	UPL	SMILACACEAE
SMIPUL	5	Smilax pulverulenta	DARK GREEN CARRION FLOWER	H-VINE	3	FACU	SMILACACEAE
SMIROT	4	Smilax rotundifolia	CAT BRIER	W-VINE	0	FAC	SMILACACEAE
SOLCAR	0	Solanum carolinense	HORSE NETTLE	P_FORB	4	FACU-	SOLANACEAE
SOLCOR	*	SOLANUM CORNUTUM	BUFFALO BUR	A-FORB	5	UPL	SOLANACEAE
SOLDIM	*	SOLANUM DIMIDIATUM	TORREY'S HORSE NETTLE	P-FORB	5	UPL	SOLANACEAE
SOLDUL	*	SOLANUM DULCAMARA	BITTERSWEET NIGHTSHADE	W-VINE	0	FAC	SOLANACEAE
SOLELA	*	SOLANUM ELAEAGNIFOLIUM	WHITE HORSE NETTLE	P-FORB	5	UPL	SOLANACEAE
SOLHET	*	SOLANUM HETERODOXUM v. NOVOMEXICANUM	PRICKLY HORSE NETTLE	P-FORB	5	UPL	SOLANACEAE
SOLPTY	0	Solanum ptycanthum	BLACK NIGHTSHADE	A-FORB	4	FACU-	SOLANACEAE

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SOLSAR	*	SOLANUM SARACHOIDES	HAIRY NIGHTSHADE	A-FORB	5	UPL	SOLANACEAE
SOLTRI	*	SOLANUM TRIFLORUM	CUT-LEAVED NIGHTSHADE	A-FORB	5	UPL	SOLANACEAE
SOLTUB	*	SOLANUM TUBEROSUM	POTATO	P-FORB	5	UPL	SOLANACEAE
SOLARG	10	Solidago arguta	SHARP-TOOTHED GOLDENROD	P-FORB	5	UPL	ASTERACEAE
SOLBIC	7	Solidago bicolor	SILVERROD	P-FORB	5	UPL	ASTERACEAE
SOLBOO	10	Solidago boottii	BOOTT'S GOLDENROD	P-FORB	5	UPL	ASTERACEAE
SOLBUC	8	Solidago buckleyi	BUCKLEY'S GOLDENROD	P-FORB	5	UPL	ASTERACEAE
SOLCAE	7	Solidago caesia	BLUESTEM GOLDENROD	P-FORB	3	FACU	ASTERACEAE
SOLCAN	1	Solidago canadensis	CANADA GOLDENROD	P-FORB	3	FACU	ASTERACEAE
SOLDRU	6	Solidago drummondii	DRUMMOND'S GOLDENROD	P-FORB	5	UPL	ASTERACEAE
SOLFLE	6	Solidago flexicaulis	BROAD-LEAVED GOLDENROD	P-FORB	3	FACU	ASTERACEAE
SOLGIG	3	Solidago gigantea	LATE GOLDENROD	P-FORB	-3	FACW	ASTERACEAE
SOLHIS	7	Solidago hispida	WHITE GOLDENROD	P-FORB	5	UPL	ASTERACEAE
SOLJUN	4	Solidago juncea	EARLY GOLDENROD	P-FORB	5	UPL	ASTERACEAE
SOLLUT	10	Solidago ×lutescens	UPLAND ASTER	P-FORB	0	FAC	ASTERACEAE
SOLMIS	4	Solidago missouriensis	MISSOURI GOLDENROD	P-FORB	5	UPL	ASTERACEAE
SOLNEM	3	Solidago nemoralis	OLD FIELD GOLDENROD	P-FORB	5	UPL	ASTERACEAE
SOLOHI	10	Solidago ohioensis	OHIO GOLDENROD	P-FORB	-5	OBL	ASTERACEAE
SOLPAT	9	Solidago patula	ROUGH-LEAVED GOLDENRODVED	P-FORB	-5	OBL	ASTERACEAE
SOLPET	8	Solidago petiolaris	DOWNY GOLDENROD	P-FORB	5	UPL	ASTERACEAE
SOLPTA	9	Solidago ptarmicoides	STIFF ASTER	P-FORB	5	UPL	ASTERACEAE
SOLRAD	7	Solidago radula	ROUGH GOLDENROD	P-FORB	5	UPL	ASTERACEAE
SOLRID	7	Solidago riddellii	RIDDELL'S GOLDENROD	P-FORB	-5	OBL	ASTERACEAE
SOLRIG	4	Solidago rigida	RIGID GOLDENROD	P-FORB	4	FACU-	ASTERACEAE
SOLRUG	8	Solidago rugosa	ROUGH GOLDENROD	P-FORB	-1	FAC+	ASTERACEAE
SOLSCI	10	Solidago sciaphila	CLIFF GOLDENROD	P-FORB	5	UPL	ASTERACEAE
SOLSEM	*	SOLIDAGO SEMPERVIRENS	SEASIDE GOLDENROD	P-FORB	-2	FACW-	ASTERACEAE
SOLSPE	7	Solidago speciosa	SHOWY GOLDENROD	P-FORB	5	UPL	ASTERACEAE
SOLSPH	10	Solidago sphacelata	BLIGHTED GOLDENROD	P-FORB	5	UPL	ASTERACEAE
SOLSTR	10	Solidago strigosa	HAIRY GOLDENROD	P-FORB	5	UPL	ASTERACEAE
SOLULI	10	Solidago uliginosa	BOG GOLDENROD	P-FORB	-5	OBL	ASTERACEAE
SOLULM	5	Solidago ulmifolia	ELM-LEAVED GOLDENROD	P-FORB	5	UPL	ASTERACEAE
SONARA	*	SONCHUS ARVENSIS	FIELD SOW THISTLE	P-FORB	1	FAC-	ASTERACEAE
SONARG	*	SONCHUS ARVENSIS v. GLABRESCENS	FIELD SOW THISTLE	P-FORB	1	FAC-	ASTERACEAE
SONASP	*	SONCHUS ASPER	PRICKLY SOW THISTLE	A-FORB	0	FAC	ASTERACEAE
SONOLE	*	SONCHUS OLERACEUS	COMMON SOW THISTLE	A-FORB	3	FACU	ASTERACEAE
SORAUC	*	SORBUS AUCUPARIA	EUROPEAN MOUNTAIN ASH	TREE	5	UPL	ROSACEAE
SORDEC	10	Sorbus decora	AMERICAN MOUNTAIN ASH	TREE	-1	FAC+	ROSACEAE
SORNUT	4	Sorghastrum nutans	INDIAN GRASS	P-GRASS	2	FACU+	POACEAE
SORALM	*	SORGHUM ×ALMUM	SORGHUM GRASS	P-GRASS	5	UPL	POACEAE
SORBIC	*	SORGHUM BICOLOR	SORGHUM	A-GRASS	5	UPL	POACEAE
SORHAL	*	SORGHUM HALEPENSE	JOHNSON GRASS	P-GRASS	3	FACU	POACEAE
SORSUD	*	SORGHUM SUDANENSE	SUDAN GRASS	A-GRASS	5	UPL	POACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
SPAAME	10	Sparganium americanum	AMERICAN BUR REED	P-FORB	-5	OBL	SPARGANIACEAE
SPAAND	10	Sparganium androcladum	BRANCHED BUR REED	P-FORB	-5	OBL	SPARGANIACEAE
SPACHL	10	Sparganium chlorocarpum	DWARF BUR REED	P-FORB	-5	OBL	SPARGANIACEAE
SPAEUR	5	Sparganium eurycarpum	COMMON BUR REED	P-FORB	-5	OBL	SPARGANIACEAE
SPAMIN	10	Sparganium minimum	LEAST BUR REED	P-FORB	-5	OBL	SPARGANIACEAE
SPAPEC	4	Spartina pectinata	PRAIRIE CORD GRASS	P-GRASS	-4	FACW+	POACEAE
SPEARV	*	SPERGULA ARVENSIS	CORN SPURREY	A-FORB	5	UPL	CARYOPHYLLACEAE
SPEMAR	*	SPERGULARIA MARINA	LESSER SALT SPURREY	A-FORB	0	FAC	CARYOPHYLLACEAE
SPEMED	*	SPERGULARIA MEDIA	SALT SPURREY	A-FORB	3	FACU	CARYOPHYLLACEAE
SPERUB	*	SPERGULARIA RUBRA	SAND SPURREY	A-FORB	3	FACU	CARYOPHYLLACEAE
SPEGLA	4	Spermacoce glabra	SMOOTH BUTTONWEED	P-FORB	-4	FACW+	RUBIACEAE
SPEECH	0	Spermolepis echinata	SPINY SCALESEED	A-FORB	5	UPL	APIACEAE
SPEINE	4	Spermolepis inermis	SMOOTH SCALESEED	A-FORB	5	UPL	APIACEAE
SPHNIT	7	Sphenopholis nitida	SHINING WEDGE GRASS	P-GRASS	5	UPL	POACEAE
SPHOBO	5	Sphenopholis obtusata	PRAIRIE WEDGE GRASS	P-GRASS	0	FAC	POACEAE
SPHOBM	5	Sphenopholis obtusata v. major	SLENDER WEDGE GRASS	P-GRASS	0	FAC	POACEAE
SPIMAR	7	Spigelia marilandica	INDIAN PINK	P-FORB	5	UPL	LOGANIACEAE
SPIALB	6	Spiraea alba	MEADOWSWEET	SHRUB	-4	FACW+	ROSACEAE
SPIJAP	*	SPIRAEA JAPONICA	JAPANESE SPIRAEA	SHRUB	5	UPL	ROSACEAE
SPILAT	*	SPIRAEA LATIFOLIA	MEADOWSWEET	SHRUB	-2	FACW-	ROSACEAE
SPIPRU	*	SPIRAEA PRUNIFOLIA	BRIDAL WREATH	SHRUB	5	UPL	ROSACEAE
SPITOM	8	Spiraea tomentosa	HARDHACK	SHRUB	-3	FACW	ROSACEAE
SPICER	4	Spiranthes cernua	NODDING LADIES' TRESSES	P-FORB	-2	FACW-	ORCHIDACEAE
SPIGRA	7	Spiranthes gracilis	SLENDER LADIES' TRESSES	P-FORB	-1	FAC+	ORCHIDACEAE
SPILAC	8	Spiranthes lacera	SLENDER LADIES' TRESSES	P-FORB	-1	FAC+	ORCHIDACEAE
SPILUC	10	Spiranthes lucida	EARLY LADIES' TRESSES	P-FORB	-4	FACW+	ORCHIDACEAE
SPIMAG	6	Spiranthes magnicamporum	GREAT PLAINES LADIES' TRESSES	P-FORB	-3	FACW	ORCHIDACEAE
SPIOVA	8	Spiranthes ovalis	OVAL LADIES' TRESSES	P-FORB	0	FAC	ORCHIDACEAE
SPIROM	10	Spiranthes romanzoffiana	HOODED LADIES' TRESSES	P-FORB	-4	FACW+	ORCHIDACEAE
SPITUB	9	Spiranthes tuberosa	LITTLE LADIES' TRESSES	P-FORB	5	UPL	ORCHIDACEAE
SPIVER	7	Spiranthes vernalis	SPRING LADIES' TRESSES	P-FORB	0	FAC	ORCHIDACEAE
SPIPOL	5	Spirodela polyrhiza	GREAT DUCKWEED	A-FORB	-5	OBL	LEMNACEAE
SPIPUN	5	Spirodela punctata	SPOTTED DUCKWEED	A-FORB	-5	OBL	LEMNACEAE
SPOASP	3	Sporobolus asper	ROUGH DROPSEED	P-GRASS	5	UPL	POACEAE
SPOCLA	6	Sporobolus clandestinus	ROUGH RUSH GRASS	P-GRASS	5	UPL	POACEAE
SPOCRY	4	Sporobolus cryptandrus	SAND DROPSEED	P-GRASS	4	FACU-	POACEAE
SPOHET	9	Sporobolus heterolepis	NORTHERN DROP SEED	P-GRASS	4	FACU-	POACEAE
SPONEG	1	Sporobolus neglectus	SMALL RUSH GRASS	A-GRASS	5	UPL	POACEAE
SPOOZA	*	SPOROBOLUS OZARKANUS	SOUTHERN RUSH GRASS	A-GRASS	5	UPL	POACEAE
SPOPYR	*	SPOROBOLUS PYRIMADATUS	SEASHORE DROPSEED	P-GRASS	0	FAC	POACEAE
SPOVAG	0	Sporobolus vaginiflorus	NORTHERN RUSH GRASS	A-GRASS	5	UPL	POACEAE
STAASP	9	Stachys aspera	ROUGH HEDGE NETTLE	P-FORB	-4	FACW+	LAMIACEAE
STABYZ	*	STACHYS BYZANTINA	WOOLLY HEDGE NETTLE	P-FORB	5	UPL	LAMIACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
STANUT	10	Stachys nuttallii	HEART-LEAVED HEDGE NETTLE	P-FORB	5	UPL	LAMIACEAE
STAPAL	5	Stachys palustris	WOUNDWORT	P-FORB	-5	OBL	LAMIACEAE
STATET	5	Stachys tenuifolia	SMOOTH HEDGE NETTLE	P-FORB	-5	OBL	LAMIACEAE
STATEH	5	Stachys tenuifolia v. hispida	MARSH HEDGE NETTLE	P-FORB	-5	OBL	LAMIACEAE
STATRI	5	Staphylea trifolia	BLADDERNUT	SHRUB	0	FAC	STAPHYLEACEAE
STEGRN	*	STELLARIA GRAMINEA	STARWORT	P-FORB	5	UPL	CARYOPHYLLACEAE
STELON	6	Stellaria longifolia	STITCHWORT	P-FORB	-4	FACW+	CARYOPHYLLACEAE
STEMED	*	STELLARIA MEDIA	COMMON CHICKWEED	A-FORB	3	FACU	CARYOPHYLLACEAE
STEPAL	*	STELLARIA PALLIDA	SAND CHICKWEED	A-FORB	3	FACU	CARYOPHYLLACEAE
STEPUB	10	Stellaria pubera	GREAT CHICKWEED	P-FORB	5	UPL	CARYOPHYLLACEAE
STEGRM	10	Stenanthium gramineum	FEATHERBELLS	P-FORB	0	FAC	LILIACEAE
STICOM	*	STIPA COMATA	NEEDLE-AND-THREAD	P-GRASS	5	UPL	POACEAE
STISPA	6	Stipa spartea	PORCUPINE GRASS	P-GRASS	5	UPL	POACEAE
STIVIR	*	STIPA VIRIDULA	GREEN NEEDLE GRASS	P-GRASS	5	UPL	POACEAE
STRHEL	3	Strophostyles helvola	TRAILING WILD BEAN	A-FORB	-1	FAC+	FABACEAE
STRLEI	4	Strophostyles leiosperma	SMALL WILD BEAN	A-FORB	5	UPL	FABACEAE
STRUMB	5	Strophostyles umbellata	CLUSTERED WILD BEAN	P-FORB	3	FACU	FABACEAE
STYPIC	9	Stylisma pickeringii v. pattersonii	PATTERSON BINDWEED	P-FORB	5	UPL	CONVOLVULACEAE
STYDIP	9	Stylophorum diphyllum	CELANDINE POPPY	P-FORB	5	UPL	PAPAVERACEAE
STYBIF	5	Stylosanthes biflora	PENCIL FLOWER	P-FORB	5	UPL	FABACEAE
STYAME	10	Styrax americana	AMERICAN STORAX	SHRUB	-5	OBL	STYRACACEAE
STYGRA	10	Styrax grandifolia	LARGE-LEAVED STORAX	SHRUB	5	UPL	STYRACACEAE
SUADEP	*	SUAEDA DEPRESSA	SEA BLITE	A-FORB	-3	FACW	CHENOPODIACEAE
SULREN	10	Sullivantia renifolia	SULLIVANT'S SAXIFRAGE	P-FORB	5	UPL	SAXIFRAGACEAE
SYMALA	B	Symphoricarpos albus	SNOWBERRY	SHRUB	4	FACU-	CAPRIFOLIACEAE
SYMALL	*	SYMPHORICARPOS ALBUS v. LAEVIGATUS	GARDEN SNOWBERRY	SHRUB	5	UPL	CAPRIFOLIACEAE
SYMOCC	6	Symphoricarpos occidentalis	WOLFBERRY	SHRUB	5	UPL	CAPRIFOLIACEAE
SYMORB	1	Symphoricarpos orbiculatus	CORALBERRY	SHRUB	3	FACU	CAPRIFOLIACEAE
SYMOFF	*	SYMPHYTUM OFFICINALE	COMMON COMFREY	P-FORB	5	UPL	BORAGINACEAE
SYMFOE	8	Symplocarpus foetidus	SKUNK CABBAGE	P-FORB	-5	OBL	ARACEAE
SYNHIS	10	Synandra hispidula	SYNANDRA	B-FORB	0	FAC	LAMIACEAE
SYRVUL	*	SYRINGA VULGARIS	LILAC	SHRUB	5	UPL	OLEACEAE
TAEINT	7	Taenidia integerrima	YELLOW PIMPERNEL	P-FORB	5	UPL	APIACEAE
TALCAL	10	Talinum calycinum	FAME FLOWER	P-FORB	5	UPL	PORTULACACEAE
TALPAR	10	Talinum parviflorum	PRAIRIE FAME FLOWER	P-FORB	5	UPL	PORTULACACEAE
TALRUG	9	Talinum rugospermum	FAME FLOWER	P-FORB	5	UPL	PORTULACACEAE
TAMGAL	*	TAMARIX GALLICA	FRENCH TAMARISK	SHRUB	5	UPL	TAMARICACEAE
TANPAR	*	TANACETUM PARTHENIUM	FEVERFEW	P-FORB	5	UPL	ASTERACEAE
TANVUL	*	TANACETUM VULGARE	COMMON TANSY	P-FORB	5	UPL	ASTERACEAE
TARLAE	*	TARAXACUM LAEVIGATUM	RED-SEEDED DANDELION	P-FORB	5	UPL	ASTERACEAE
TAROFF	*	TARAXACUM OFFICINALE	COMMON DANDELION	P-FORB	3	FACU	ASTERACEAE
TAXDIS	7	Taxodium distichum	BALD CYPRESS	TREE	-5	OBL	TAXODIACEAE
TAXCAN	10	Taxus canadensis	CANADA YEW	SHRUB	3	FACU	TAXACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
TEPVIR	7	Tephrosia virginiana	GOAT'S RUE	P-FORB	5	UPL	FABACEAE
TEUCAB	3	Teucrium canadense v. boreale	GRAY GERMANDER	P-FORB	-2	FACW-	LAMIACEAE
TEUCAV	3	Teucrium canadense v. virginicum	AMERICAN GERMANDER	P-FORB	-2	FACW-	LAMIACEAE
THADEA	5	Thalia dealbata	POWDERY THALIA	P-FORB	-5	OBL	MARANTACEAE
THADAD	5	Thalictrum dasycarpum	PURPLE MEADOW RUE	P-FORB	-2	FACW-	RANUNCULACEAE
THADAH	5	Thalictrum dasycarpum v. hypoglaucum	SMOOTH MEADOW RUE	P-FORB	-2	FACW-	RANUNCULACEAE
THADIO	5	Thalictrum dioicum	EARLY MEADOW RUE	P-FORB	2	FACU+	RANUNCULACEAE
THAREV	5	Thalictrum revolutum	WAXY MEADOW RUE	P-FORB	0	FAC	RANUNCULACEAE
THATHA	5	Thalictrum thalictroides	RUE ANEMONE	P-FORB	5	UPL	RANUNCULACEAE
THABAR	7	Thaspium barbinode	HAIRY MEADOW PARSNIP	P-FORB	5	UPL	APIACEAE
THATRT	6	Thaspium trifoliatum	PURPLE MEADOW PARSNIP	P-FORB	5	UPL	APIACEAE
THATRF	6	Thaspium trifoliatum v. flavum	YELLOW MEADOW PARSNIP	P-FORB	5	UPL	APIACEAE
THEGRA	*	THELESPERMA GRACILE	GREEN THREAD	P-FORB	5	UPL	ASTERACEAE
THENOV	10	Thelypteris noveboracensis	NEW YORK FERN	FERN	-1	FAC+	THELYPTERIDACEAE
THEPAL	7	Thelypteris palustris v. pubescens	MARSH SHIELD FERN	FERN	-4	FACW+	THELYPTERIDACEAE
THIAME	10	Thismia americana	THISMIA	P-FORB	-5	OBL	BURMANNIACEAE
THLARV	*	THLASPI ARVENSE	FIELD PENNY CRESS	A-FORB	5	UPL	BRASSICACEAE
THLPER	*	THLASPI PERFOLIATUM	PERFOLIATE PENNY CRESS	A-FORB	5	UPL	BRASSICACEAE
THUOCC	10	Thuja occidentalis	ARBOR VITAE	TREE	-5	OBL	CUPRESSACEAE
THYPAS	*	THYMELAEA PASSERINA	SPARROW WEED	A-FORB	5	UPL	THYMELAEACEAE
THYPRA	*	THYMUS PRAECOX	CREEPING THYME	A-FORB	5	UPL	LAMIACEAE
TIDLAN	*	TIDESTROMIA LANUGINOSA	WOOLLY TIDESTROMIA	A-FORB	5	UPL	AMARANTHACEAE
TILAME	5	Tilia americana	AMERICAN LINDEN	TREE	3	FACU	TILIACEAE
TILHET	10	Tilia heterophylla	WHITE BASSWOOD	TREE	4	FACU-	TILIACEAE
TIPDIS	7	Tipularia discolor	CRANE-FLY ORCHID	P-FORB	4	FACU-	ORCHIDACEAE
TOFGLU	10	Tofieldia glutinosa	FALSE ASPHRODEL	P-FORB	-5	OBL	LILIACEAE
TOMAUR	8	Tomanthera auriculata	EARED FALSE FOXGLOVE	A-FORB	5	UPL	SCROPHULARIACEAE
TORARV	*	TORILIS ARVENSIS	FIELD HEDGE PARSLEY	A-FORB	5	UPL	APIACEAE
TORJAP	*	TORILIS JAPONICA	JAPANESE HEDGE PARSLEY	A-FORB	5	UPL	APIACEAE
TORPAL	10	Torreyochloa pallida	PALE MANNA GRASS	P-GRASS	-5	OBL	POACEAE
TOXRAD	1	Toxicodendron radicans	POISON IVY	W-VINE	3	FACU	ANACARDIACEAE
TOXTOX	*	TOXICODENDRON TOXICARIUM	POISON OAK	SHRUB	5	UPL	ANACARDIACEAE
TOXVER	10	Toxicodendron vernix	POISON SUMAC	SHRUB	-5	OBL	ANACARDIACEAE
TRADIF	7	Trachelospermum difforme	CLIMBING DOGBANE	W-VINE	-3	FACW	APOCYNACEAE
TRABRA	7	Tradescantia bracteata	LONG-BRACTED SPIDERWORT	P-FORB	4	FACU-	COMMELINACEAE
TRAOHI	3	Tradescantia ohiensis	COMMON SPIDERWORT	P-FORB	2	FACU+	COMMELINACEAE
TRASUB	5	Tradescantia subaspera	BROAD-LEAVED SPIDERWORT	P-FORB	5	UPL	COMMELINACEAE
TRAVIR	7	Tradescantia virginiana	VIRGINIA SPIDERWORT	P-FORB	5	UPL	COMMELINACEAE
TRACOR	9	Tragia cordata	TRAGIA	P-FORB	5	UPL	EUPHORBIACEAE
TRADUB	*	TRAGOPOGON DUBIUS	SAND GOAT'S BEARD	B-FORB	5	UPL	ASTERACEAE
TRAPOR	*	TRAGOPOGON PORRIFOLIUS	OYSTER SALSIFY	B-FORB	5	UPL	ASTERACEAE
TRAPRA	*	TRAGOPOGON PRATENSIS	COMMON GOAT'S BEARD	B-FORB	5	UPL	ASTERACEAE
TRACAR	10	Trautvetteria caroliniensis	FALSE BUGBANE	P-FORB	1	FAC-	RANUNCULACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
TREAET	4	Trepocarpus aethusae	DARK GREEN CHERVIL	P-FORB	-3	FACW	APIACEAE
TRIFRS	8	Triadenum fraseri	FRASER'S ST. JOHN'S WORT	P-FORB	-5	OBL	HYPERICACEAE
TRITUB	8	Triadenum tubulosum	MARSH ST. JOHN'S WORT	P-FORB	-5	OBL	HYPERICACEAE
TRIVIG	10	Triadenum virginicum	MARSH ST. JOHN'S WORT	P-FORB	-5	OBL	HYPERICACEAE
TRIWAL	10	Triadenum walteri	MARSH ST. JOHN'S WORT	P-FORB	-5	OBL	HYPERICACEAE
TRITER	*	TRIBULUS TERRESTRIS	PUNCTURE VINE	A-FORB	5	UPL	ZYGOPHYLLACEAE
TRIINS	*	TRICHACHNE INSULARIS	SOUR GRASS	P-GRASS	5	UPL	POACEAE
TRIBOS	10	Trichomanes boschianum	FILMY FERN	FERN	-3	FACW	HYMENOPHYLLACEAE
TRIBRA	7	Trichostema brachiatum	FALSE PENNYROYAL	A-FORB	5	UPL	LAMIACEAE
TRIDIC	6	Trichostema dichotomum	BLUE CURLS	A-FORB	5	UPL	LAMIACEAE
TRIFLA	1	Tridens flavus	COMMON PURPLETOP	P-GRASS	5	UPL	POACEAE
TRISTR	4	Tridens strictus	SPIKED PURPLETOP	P-GRASS	3	FACU	POACEAE
TRIBOR	10	Trientalis borealis	STARFLOWER	P-FORB	-1	FAC+	PRIMULACEAE
TRIARV	*	TRIFOLIUM ARVENSE	RABBIT-FOOT CLOVER	A-FORB	5	UPL	FABACEAE
TRIAUM	*	TRIFOLIUM AUREUM	YELLOW HOP CLOVER	A-FORB	5	UPL	FABACEAE
TRICAM	*	TRIFOLIUM CAMPESTRE	LOW HOP CLOVER	A-FORB	5	UPL	FABACEAE
TRIDUB	*	TRIFOLIUM DUBIUM	LITTLE HOP CLOVER	A-FORB	3	FACU	FABACEAE
TRIFRG	*	TRIFOLIUM FRAGIFERUM	STRAWBERRY CLOVER	P-FORB	3	FACU	FABACEAE
TRIHYB	*	TRIFOLIUM HYBRIDUM	ALSIKE CLOVER	P-FORB	1	FAC-	FABACEAE
TRIINC	*	TRIFOLIUM INCARNATUM	CRIMSON CLOVER	A-FORB	5	UPL	FABACEAE
TRIPRA	*	TRIFOLIUM PRATENSE	RED CLOVER	P-FORB	2	FACU+	FABACEAE
TRIREF	9	Trifolium reflexum	BUFFALO CLOVER	A-FORB	5	UPL	FABACEAE
TRIREP	*	TRIFOLIUM REPENS	WHITE CLOVER	P-FORB	2	FACU+	FABACEAE
TRIRES	*	TRIFOLIUM RESUPINATUM	PERSIAN CLOVER	A-FORB	5	UPL	FABACEAE
TRIMAR	10	Triglochin maritima	COMMON BOG ARROW GRASS	P-FORB	-5	OBL	JUNCAGINACEAE
TRIPAL	10	Triglochin palustris	SLENDER BOG ARROW GRASS	P-FORB	-5	OBL	JUNCAGINACEAE
TRICER	10	Trillium cernuum v. macranthum	NODDING TRILLIUM	P-FORB	0	FAC	LILIACEAE
TRICUN	10	Trillium cuneatum	WEDGE TRILLIUM	P-FORB	5	UPL	LILIACEAE
TRIERE	10	Trillium erectum	ILL-SCENTED TRILLIUM	P-FORB	5	UPL	LILIACEAE
TRIFLE	7	Trillium flexipes	DECLINED TRILLIUM	P-FORB	1	FAC-	LILIACEAE
TRIGRA	8	Trillium grandiflorum	LARGE WHITE TRILLIUM	P-FORB	5	UPL	LILIACEAE
TRINIV	8	Trillium nivale	SNOW TRILLIUM	P-FORB	5	UPL	LILIACEAE
TRIREC	5	Trillium recurvatum	RED TRILLIUM	P-FORB	4	FACU-	LILIACEAE
TRISES	8	Trillium sessile	SESSILE TRILLIUM	P-FORB	4	FACU-	LILIACEAE
TRIVID	9	Trillium viride	GREEN TRILLIUM	P-FORB	5	UPL	LILIACEAE
TRILEP	8	Triodanis leptocarpa	VENUS'S LOOKING GLASS	A-FORB	5	UPL	CAMPANULACEAE
TRIPEP	2	Triodanis perfoliata	VENUS'S LOOKING GLASS	A-FORB	0	FAC	CAMPANULACEAE
TRIPEB	4	Triodanis perfoliata v. biflora	VENUS'S LOOKING GLASS	A-FORB	5	UPL	CAMPANULACEAE
TRIANG	7	Triosteum angustifolium	YELLOW HORSE GENTIAN	P-FORB	5	UPL	CAPRIFOLIACEAE
TRIAUT	5	Triosteum aurantiacum	EARLY HORSE GENTIAN	P-FORB	5	UPL	CAPRIFOLIACEAE
TRIILL	5	Triosteum illinoense	ILLINOIS HORSE GENTIAN	P-FORB	5	UPL	CAPRIFOLIACEAE
TRIPEF	5	Triosteum perfoliatum	LATE HORSE GENTIAN	P-FORB	5	UPL	CAPRIFOLIACEAE
TRITRI	9	Triphora trianthophora	NODDING POGONIA	P-FORB	4	FACU-	ORCHIDACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
TRIPUR	6	Triplasis purpurea	PURPLE SANDGRASS	A-GRASS	5	UPL	POACEAE
TRIDAC	4	Tripsacum dactyloides	GAMA GRASS	P-GRASS	-1	FAC+	POACEAE
TRIAES	*	TRITICUM AESTIVUM	WHEAT	A-GRASS	5	UPL	POACEAE
TRICYL	*	TRITICUM CYLINDRICUM	JOINTED GOAT GRASS	A-GRASS	5	UPL	POACEAE
TUSFAR	*	TUSSILAGO FARFARA	COLT'SFOOT	P-FORB	5	UPL	ASTERACEAE
TYPANG	*	TYPHA ANGUSTIFOLIA	NARROW-LEAVED CATTAIL	P-FORB	-5	OBL	TYPHACEAE
TYPGLA	*	TYPHA ×GLAUCA	HYBRID CATTAIL	P-FORB	-5	OBL	TYPHACEAE
TYPLAT	1	Typha latifolia	BROAD-LEAVED CATTAIL	P-FORB	-5	OBL	TYPHACEAE
ULMALA	5	Ulmus alata	WINGED ELM	TREE	3	FACU	ULMACEAE
ULMAME	5	Ulmus americana	AMERICAN ELM	TREE	-2	FACW-	ULMACEAE
ULMPRO	*	ULMUS PROCERA	ENGLISH ELM	TREE	5	UPL	ULMACEAE
ULMPUM	*	ULMUS PUMILA	SIBERIAN ELM	TREE	5	UPL	ULMACEAE
ULMRUB	3	Ulmus rubra	SLIPPERY ELM	TREE	0	FAC	ULMACEAE
ULMTHO	8	Ulmus thomasii	ROCK ELM	TREE	-1	FAC+	ULMACEAE
URTCHA	6	Urtica chamaedryoides	CLUSTERED NETTLE	A-FORB	3	FACU	URTICACEAE
URTDIO	2	Urtica dioica	TALL NETTLE	P-FORB	-1	FAC+	URTICACEAE
URTURE	*	URTICA URENS	BURNING NETTLE	A-FORB	5	UPL	URTICACEAE
UTRCOR	10	Utricularia cornuta	HORNED BLADDERWORT	A-FORB	-5	OBL	LENTIBULARIACEAE
UTRGIB	7	Utricularia gibba	HUMPED BLADDERWORT	P-FORB	-5	OBL	LENTIBULARIACEAE
UTRINT	10	Utricularia intermedia	FLAT-LEAVED BLADDERWORT	P-FORB	-5	OBL	LENTIBULARIACEAE
UTRMIN	10	Utricularia minor	SMALL BLADDERWORT	P-FORB	-5	OBL	LENTIBULARIACEAE
UTRVUL	6	Utricularia vulgaris	COMMOM BLADDERWORT	P-FORB	-5	OBL	LENTIBULARIACEAE
UVUGRA	7	Uvularia grandiflora	BELLWORT	P-FORB	5	UPL	LILIACEAE
UVUSES	8	Uvularia sessilifolia	MERRYBELLS	P-FORB	1	FAC-	LILIACEAE
VACPYR	*	VACCARIA PYRAMIDATA	COW HERB	A-FORB	5	UPL	CARYOPHYLLACEAE
VACANG	7	Vaccinium angustifolium	EARLY LOW BLUEBERRY	SHRUB	3	FACU	ERICACEAE
VACARB	6	Vaccinium arboreum	FARKLEBERRY	SHRUB	3	FACU	ERICACEAE
VACCOR	10	Vaccinium corymbosum	HIGHBUSH BLUEBERRY	SHRUB	-3	FACW	ERICACEAE
VACMAC	10	Vaccinium macrocarpon	LARGE CRANBERRY	SHRUB	-5	OBL	ERICACEAE
VACMYR	9	Vaccinium myrtilloides	CANADA BLUEBERRY	SHRUB	-2	FACW-	ERICACEAE
VACOXY	10	Vaccinium oxycoccos	SMALL CRANBERRY	SHRUB	-5	OBL	ERICACEAE
VACPAL	7	Vaccinium pallidum	LATE LOW BLUEBERRY	SHRUB	5	UPL	ERICACEAE
VACSTA	10	Vaccinium stamineum	DEERBERRY	SHRUB	4	FACU-	ERICACEAE
VALEDU	10	Valeriana edulis v. ciliata	COMMON VALERIAN	P-FORB	-5	OBL	VALERIANACEAE
VALOFF	*	VALERIANA OFFICINALIS	GARDEN HELIOTROPE	P-FORB	-4	FACW+	VALERIANACEAE
VALPAU	9	Valeriana pauciflora	PINK VALERIAN	P-FORB	-2	FACW-	VALERIANACEAE
VALSIT	10	Valeriana sitchensis v. uliginosa	MARSH VALERIAN	P-FORB	-4	FACW+	VALERIANACEAE
VALCHE	5	Valerianella chenopodifolia	GREAT LAKES CORN SALAD	A-FORB	1	FAC-	VALERIANACEAE
VALINT	5	Valerianella intermedia	CORN SALAD	A-FORB	-3	FACW	VALERIANACEAE
VALLOC	*	VALERIANELLA LOCUSTA	EUROPEAN CORN SALAD	A-FORB	5	UPL	VALERIANACEAE
VALPAT	5	Valerianella patellaria	CORN SALAD	A-FORB	5	UPL	VALERIANACEAE
VALRAD	1	Valerianella radiata	CORN SALAD	A-FORB	-1	FAC+	VALERIANACEAE
VALUMB	10	Valerianella umbilicata	NORTHERN CORN SALAD	A-FORB	-3	FACW	VALERIANACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
VALAME	7	Vallisneria americana	EEL GRASS	P-FORB	-5	OBL	HYDROCHARITACEAE
VERWOO	9	Veratrum woodii	FALSE HELLEBORE	P-FORB	5	UPL	LILIACEAE
VERBLA	*	VERBASCUM BLATTARIA	MOTH MULLEIN	B-FORB	4	FACU-	SCROPHULARIACEAE
VERPHL	*	VERBASCUM PHLOMOIDES	CLASPING MULLEIN	B-FORB	5	UPL	SCROPHULARIACEAE
VERSPE	*	VERBASCUM SPECIOSUM	SHOWY MULLEIN	B-FORB	5	UPL	SCROPHULARIACEAE
VERTHA	*	VERBASCUM THAPSUS	WOOLLY MULLEIN	B-FORB	5	UPL	SCROPHULARIACEAE
VERVIT	*	VERBASCUM VIRGATUM	PURPLE-STAMEN MULLEIN	B-FORB	5	UPL	SCROPHULARIACEAE
VERBRA	1	Verbena bracteata	CREEEPING VERVAIN	A-FORB	3	FACU	VERBENACEAE
VERHAS	3	Verbena hastata	BLUE VERVAIN	P-FORB	-4	FACW+	VERBENACEAE
VERSIM	4	Verbena simplex	NARROW-LEAVED VERVAIN	P-FORB	5	UPL	VERBENACEAE
VERSTR	2	Verbena stricta	HOARY VERVAIN	P-FORB	5	UPL	VERBENACEAE
VERURT	3	Verbena urticifolia	WHITE VERVIAN	P-FORB	-1	FAC+	VERBENACEAE
VERALT	4	Verbesina alternifolia	WINGSTEM	P-FORB	-3	FACW	ASTERACEAE
VERENC	*	VERBESINA ENCELIOIDES	GOLDEN CROWNBEARD	A-FORB	0	FAC	ASTERACEAE
VERHEL	6	Verbesina helianthoides	YELLOW CROWNBEARD	P-FORB	5	UPL	ASTERACEAE
VERVIA	6	Verbesina virginica	FROSTWEED	P-FORB	4	FACU-	ASTERACEAE
VERARK	10	Vernonia arkansana	SOUTHERN IRONWEED	P-FORB	0	FAC	ASTERACEAE
VERBAL	5	Vernonia baldwinii	BALDWIN'S IRONWEED	P-FORB	5	UPL	ASTERACEAE
VERFAS	5	Vernonia fasciculata	COMMON IRONWEED	P-FORB	-3	FACW	ASTERACEAE
VERGIG	4	Vernonia gigantea	TALL IRON WEED	P-FORB	0	FAC	ASTERACEAE
VERMIS	5	Vernonia missurica	MISSOURI IRONWEED	P-FORB	-1	FAC+	ASTERACEAE
VERAGR	*	VERONICA AGRESTIS	FIELD SPEEDWELL	A-FORB	5	UPL	SCROPHULARIACEAE
VERAME	9	Veronica americana	AMERICAN BROOKLIME	P-FORB	-5	OBL	SCROPHULARIACEAE
VERARV	*	VERONICA ARVENSIS	CORN SPEEDWELL	A-FORB	5	UPL	SCROPHULARIACEAE
VERCAT	7	Veronica catenata	WATER SPEEDWELL	P-FORB	-5	OBL	SCROPHULARIACEAE
VERCHA	*	VERONICA CHAMAEDRYS	GERMANDER SPEEDWELL	A-FORB	5	UPL	SCROPHULARIACEAE
VERHED	*	VERONICA HEDERAEFOLIA	IVY-LEAVED SPEEDWELL	A-FORB	5	UPL	SCROPHULARIACEAE
VERLON	*	VERONICA LONGIFOLIA	GARDEN SPEEDWELL	P-FORB	5	UPL	SCROPHULARIACEAE
VEROFF	*	VERONICA OFFICINALIS	COMMON SPEEDWELL	P-FORB	5	UPL	SCROPHULARIACEAE
VERPEG	0	Veronica peregrina	PURSLANE SPEEDWELL	A-FORB	-4	FACW+	SCROPHULARIACEAE
VERPES	*	VERONICA PERSICA	BIRD'S-EYE SPEEDWELL	A-FORB	5	UPL	SCROPHULARIACEAE
VERPOL	*	VERONICA POLITA	DWARF BIRD'S-EYE SPEEDWELL	A-FORB	5	UPL	SCROPHULARIACEAE
VERSCU	9	Veronica scutellata	MARSH SPEEDWELL	P-FORB	-5	OBL	SCROPHULARIACEAE
VERSER	*	VERONICA SERPYLLIFOLIA	THYME-LEAVED SPEEDWELL	P-FORB	-3	FACW	SCROPHULARIACEAE
VERTEU	*	VERONICA TEUCRIUM	WOOD SAGE SPEEDWELL	P-FORB	5	UPL	SCROPHULARIACEAE
VERVIM	6	Veronicastrum virginicum	CULVER'S ROOT	P-FORB	0	FAC	SCROPHULARIACEAE
VIBACE	9	Viburnum acerifolium	MAPLE-LEAVED ARROWWOOD	SHRUB	5	UPL	CAPRIFOLIACEAE
VIBDEN	*	VIBURNUM DENTATUM	ARROW-WOOD	SHRUB	5	UPL	CAPRIFOLIACEAE
VIBDEA	7	Viburnum dentatum v. deamii	SOUTHERN ARROWWOOD	SHRUB	0	FAC	CAPRIFOLIACEAE
VIBLAN	*	VIBURNUM LANTANA	WAYFARING TREE	SHRUB	5	UPL	CAPRIFOLIACEAE
VIBLEN	4	Viburnum lentago	NANNYBERRY	SHRUB	-1	FAC+	CAPRIFOLIACEAE
VIBMOL	10	Viburnum molle	DOWNY ARROWWOOD	SHRUB	5	UPL	CAPRIFOLIACEAE
VIBOPU	*	VIBURNUM OPULUS	EUROPEAN HIGH-BUSH CRANBERRY	SHRUB	0	FAC	CAPRIFOLIACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
VIBPRU	4	Viburnum prunifolium	BLACK HAW	SHRUB	3	FACU	CAPRIFOLIACEAE
VIBRAF	6	Viburnum rafinesquianum	DOWNY ARROWWOOD	SHRUB	5	UPL	CAPRIFOLIACEAE
VIBREC	6	Viburnum recognitum	SMOOTH ARROWWOOD	SHRUB	-2	FACW-	CAPRIFOLIACEAE
VIBRUF	6	Viburnum rufidulum	RUSTY NANNYBERRY	SHRUB	4	FACU-	CAPRIFOLIACEAE
VICAME	6	Vicia americana	AMERICAN VETCH	P-FORB	5	UPL	FABACEAE
VICCAR	9	Vicia caroliniana	WOOD VETCH	P-FORB	5	UPL	FABACEAE
VICCRA	*	VICIA CRACCA	COW VETCH	A-FORB	5	UPL	FABACEAE
VICDAS	*	VICIA DASYCARPA	WOOLLY-POD VETCH	A-FORB	5	UPL	FABACEAE
VICSAS	*	VICIA SATIVA	COMMON VETCH	A-FORB	4	FACU-	FABACEAE
VICSAN	*	VICIA SATIVA v. NIGRA	NARROW-LEAVED VETCH	A-FORB	4	FACU-	FABACEAE
VICTET	*	VICIA TETRASPERMA	FOUR-SEEDED VETCH	A-FORB	5	UPL	FABACEAE
VICVIL	*	VICIA VILLOSA	WINTER VETCH	A-FORB	5	UPL	FABACEAE
VIGUNG	*	VIGNA UNGUICULATA	COW PEA	A-FORB	5	UPL	FABACEAE
VINMAJ	*	VINCA MAJOR	LARGE PERIWINKLE	SHRUB	5	UPL	APOCYNACEAE
VINMIN	*	VINCA MINOR	COMMON PERIWINKLE	SHRUB	5	UPL	APOCYNACEAE
VIOAFF	2	Viola affinis	WOODLAND BLUE VIOLET	P-FORB	0	FAC	VIOLACEAE
VIOARV	*	VIOLA ARVENSIS	WILD PANSY	A-FORB	5	UPL	VIOLACEAE
VIOCAN	10	Viola canadensis v. corymbosum	CANADA VIOLET	P-FORB	5	UPL	VIOLACEAE
VIOCON	8	Viola conspersa	DOG VIOLET	P-FORB	-2	FACW-	VIOLACEAE
VIOFIM	6	Viola fimbriatula	SAND VIOLET	P-FORB	-2	FACW-	VIOLACEAE
VIOINC	10	Viola incognita	HAIRY WHITE VIOLET	P-FORB	-3	FACW	VIOLACEAE
VIOLAL	7	Viola lanceolata	LANCE-LEAVED VIOLET	P-FORB	-5	OBL	VIOLACEAE
VIOLAV	7	Viola lanceolata v. vittata	NARROW-LEAVED VIOLET	P-FORB	-5	OBL	VIOLACEAE
VIOMAC	10	Viola macloskeyi v. pallens	SMOOTH WHITE VIOLET	P-FORB	-5	OBL	VIOLACEAE
VIOMIS	4	Viola missouriensis	MISSOURI VIOLET	P-FORB	-3	FACW	VIOLACEAE
VIONEP	8	Viola nephrophylla	NORTHERN BLUE VIOLET	P-FORB	-5	OBL	VIOLACEAE
VIOOBL	9	Viola obliqua	MARSH BLUE VIOLET	P-FORB	-5	OBL	VIOLACEAE
VIOODO	*	VIOLA ODORATA	ENGLISH VIOLET	P-FORB	5	UPL	VIOLACEAE
VIOPET	7	Viola pedata	BIRD'S FOOT VIOLET	P-FORB	5	UPL	VIOLACEAE
VIOPEF	9	Viola pedatifida	PRAIRIE VIOLET	P-FORB	4	FACU-	VIOLACEAE
VIOPRA	1	Viola pratincola	COMMON BLUE VIOLET	P-FORB	0	FAC	VIOLACEAE
VIOPRC	1	Viola priceana	CONFEDERATE VIOLET	P-FORB	5	UPL	VIOLACEAE
VIOPRM	10	Viola primulifolia	PRIMROSE-LEAVED VIOLET	P-FORB	-4	FACW+	VIOLACEAE
VIOPUP	7	Viola pubescens	DOWNY YELLOW VIOLET	P-FORB	4	FACU-	VIOLACEAE
VIOPUE	5	Viola pubescens v. eriocarpa	SMOOTH YELLOW VIOLET	P-FORB	-2	FACW-	VIOLACEAE
VIORAF	*	VIOLA RAFINESQUII	WILD PANSY	A-FORB	5	UPL	VIOLACEAE
VIOSAG	6	Viola sagittata	ARROW-LEAVED VIOLET	P-FORB	-2	FACW-	VIOLACEAE
VIOSEP	3	Viola septentrionalis	NORTHERN BLUE VIOLET	P-FORB	0	FAC	VIOLACEAE
VIOSOR	3	Viola sororia	WOOLLY BLUE VIOLET	P-FORB	1	FAC-	VIOLACEAE
VIOSTR	4	Viola striata	COMMON WHITE VIOLET	P-FORB	-3	FACW	VIOLACEAE
VIOTRC	*	VIOLA TRICOLOR	JOHNNY-JUMP-UP	A-FORB	5	UPL	VIOLACEAE
VIOTRL	5	Viola triloba	CLEFT VIOLET	P-FORB	5	UPL	VIOLACEAE
VIOVIA	5	Viola viarum	PLAINS VIOLET	P-FORB	3	FACU	VIOLACEAE

Acronym	CC	Scientific Name	Common Name	Physiognomy	W	Wet	Family
VIOWIT	*	VIOLA ×WITTROCKIANA	PANSY	A-FORB	5	UPL	VIOLACEAE
VITAES	4	Vitis aestivalis	SUMMER GRAPE	W-VINE	3	FACU	VITACEAE
VITCIN	4	Vitis cinerea	WINTER GRAPE	W-VINE	-2	FACW-	VITACEAE
VITLAB	*	VITIS LABRUSCA	FOX GRAPE	W-VINE	3	FACU	VITACEAE
VITPAL	6	Vitis palmata	CATBIRD GRAPE	W-VINE	-5	OBL	VITACEAE
VITRIP	2	Vitis riparia	RIVERVBANK GRAPE	W-VINE	-2	FACW-	VITACEAE
VITRUP	9	Vitis rupestris	SAND GRAPE	W-VINE	4	FACU-	VITACEAE
VITVUL	4	Vitis vulpina	FROST GRAPE	W-VINE	-2	FACW-	VITACEAE
VULBRO	*	VULPIA BROMOIDES	BROME FESCUE	A-GRASS	5	UPL	POACEAE
VULMYU	*	VULPIA MYUROS	MOUSETAIL FESCUE	A-GRASS	5	UPL	POACEAE
VULOCT	2	Vulpia octoflora	SIX WEEKS FESCUE	A-GRASS	-2	FACW-	POACEAE
WALFRA	10	Waldsteinia fragarioides	BARREN STRAWBERRY	P-FORB	5	UPL	ROSACEAE
WISFRU	6	Wisteria frutescens	WISTERIA	W-VINE	5	UPL	FABACEAE
WISMAC	5	Wisteria macrostachya	KENTUCKY WISTERIA	A-FORB	5	UPL	FABACEAE
WOLBRA	6	Wolffia brasiliensis	NIPPLED WATER MEAL	W-VINE	-5	OBL	LEMNACEAE
WOLCOL	5	Wolffia columbiana	WATER MEAL	A-FORB	-5	OBL	LEMNACEAE
WOLPUN	5	Wolffia punctata	SPOTTED WATER MEAL	A-FORB	-5	OBL	LEMNACEAE
WOLGLA	10	Wolffiella gladiata	BLADE DUCKWEED	A-FORB	-5	OBL	LEMNACEAE
WOOILV	10	Woodsia ilvensis	RUSTY WOODSIA	FERN	5	UPL	ASPLENIACEAE
WOOOBT	6	Woodsia obtusa	COMMON WOODSIA	FERN	5	UPL	ASPLENIACEAE
WOOARE	8	Woodwardia areolata	NETTED CHAIN FERN	FERN	-5	OBL	ASPLENIACEAE
WOOVIR	10	Woodwardia virginica	VIRGINIA CHAIN FERN	FERN	-5	OBL	ASPLENIACEAE
XANSPI	*	XANTHIUM SPINOSUM	SPINY COCKELBUR	A-FORB	3	FACU	ASTERACEAE
XANSTR	0	Xanthium strumarium	COCKLEBUR	A-FORB	0	FAC	ASTERACEAE
XYRJUP	10	Xyris jupicai	YELLOW-EYED GRASS	P-FORB	-5	OBL	XYRIDACEAE
XYRTOR	10	Xyris torta	TWISTED YELLOW-EYED GRASS	P-FORB	-5	OBL	XYRIDACEAE
YUCFLA	*	YUCCA FLACCIDA	ADAM'S NEEDLE	P-FORB	5	UPL	LILIACEAE
ZANPAL	8	Zannichellia palustris	HORNED PONDWEED	P-FORB	-5	OBL	ZANNICHELLIACEAE
ZANAME	4	Zanthoxylum americanum	PRICKLY ASH	SHRUB	5	UPL	RUTACEAE
ZEAMAY	*	ZEA MAYS	CORN	A-GRASS	5	UPL	POACEAE
ZIGVEN	10	Zigadenus venenosus v. gramineus	WHITE CAMASS	A-FORB	5	UPL	LILIACEAE
ZIZAQU	9	Zizania aquatica	WILD RICE	A-GRASS	-5	OBL	POACEAE
ZIZMIL	*	ZIZANIOPSIS MILIACEA	SOUTHERN WILD RICE	P-GRASS	-5	OBL	POACEAE
ZIZAPT	9	Zizia aptera	HEART-LEAVED MEADOW PARSNIP	P-FORB	3	FACU	APIACEAE
ZIZAUR	6	Zizia aurea	GOLDEN ALEXANDERS	P-FORB	-1	FAC+	APIACEAE
ZOSDUB	7	Zosterella dubia	WATER STAR GRASS	P-FORB	-5	OBL	PONTEDERIACEAE
ZOYJAP	*	ZOYSIA JAPONICA	JAPANESE LAWN GRASS	P-GRASS	5	UPL	POACEAE

Instructions for Authors

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Research and technical papers should include a one-paragraph abstract of not more than 250 words. The abstract should state concisely the goals, principal results, and major conclusions of the paper.

Taxonomic Names

Either a standard taxonomic manual should be cited whose names are followed consistently, or the scientific names should be followed by their authority. Common names, if used, should be referenced to a scientific name. Thereafter, scientific names are recommended, but either may be used if done so consistently.

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All illustrations, photographs, and special lettering should be capable of 50 to 66 percent reduction without loss of clarity or legibility. Originals should be sent only upon acceptance of the manuscript.

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Literature Citations

In Text:

Braun (1950) or Parks et al. (1968) or (Mohlenbrock 1970, 1990) or (Swink and Wilhelm 1994; Young 1994).

In Literature Cited:

Braun, E. L. 1950. Deciduous forests of eastern North America. Blakiston, Philadelphia.

Mohlenbrock, R. H. 1990. Forest trees of Illinois. 6th ed. Illinois Department of Conservation, Springfield.

Parks, W. D., J. B. Fehrenbacher, C. C. Miles, J. M. Paden and J. Weiss. 1968. Soil survey of Pulaski and Alexander counties, Illinois. U.S.D.A. Soil Report 85.

Greenberg, R. 1992. Forest migrants in nonforest habitats on the Yucatan Peninsula. Pages 273-286 *in* J. M. Hagan III and D. W. Johnson, eds. Ecology and conservation of neotropical migrant landbirds. Smithsonian Institution Press, Washington, D.C.

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