

(200)
B565i
no. 2001 - 1
c.1

ent of the Interior
al Survey

Coefficients of Conservatism for the Vascular Flora of the Dakotas and Adjacent Grasslands

Information and Technology Report
USGS/BRD/ITR-2001-0001



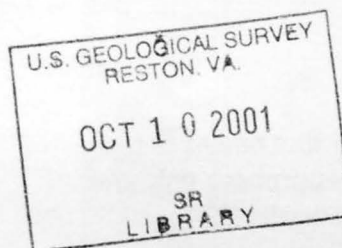
Cover art: *Penstemon nitidus* courtesy of Dorothy E. Mushet.

U.S. Department of the Interior
U.S. Geological Survey

Coefficients of Conservatism for the Vascular Flora of the Dakotas and Adjacent Grasslands

By The Northern Great Plains Floristic Quality Assessment Panel

Information and Technology Report
USGS/BRD/ITR—2001-0001



U.S. Department of the Interior

Gale A. Norton, Secretary

U.S. Geological Survey

Charles G. Groat, Director

U.S. Geological Survey, Reston, Virginia: 2001

Any use of trade, product, or firm names in this publication is for descriptive purposes only and does not imply endorsement by the U.S. Government.

Copies of this publication are available from the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161 (1-800-553-6847 or 703-487-4650). Copies also are available to registered users from the Defense Technical Information Center, Attn.: Help Desk, 8725 Kingman Road, Suite 0944, Fort Belvoir, Virginia 22060-6218 (1-800-225-3842 or 703-767-9050).

Suggested citation:

The Northern Great Plains Floristic Quality Assessment Panel, 2001, Coefficients of conservatism for the vascular flora of the Dakotas and adjacent grasslands: U.S. Geological Survey, Biological Resources Division, Information and Technology Report USGS/BRD/ITR—2001-0001, 32 p.

Contents

	<i>Page</i>
Abstract	1
Introduction	2
Methods	2
Assignment of coefficients	2
Mean C values	3
Floristic quality index	4
Application	4
Results and discussion	6
Acknowledgments	7
References cited	8
Vegetation checklist for North and South Dakota (excluding the Black Hills)	9

Figures

- 1 Distribution of the 1,309 native plant taxa occurring in North and South Dakota (excluding the Black Hills) by coefficient of conservatism designation 5
- 2 Distribution of native and nonnative plant taxa occurring in North and South Dakota (excluding the Black Hills) by physiognomic class 5

Table

Plant species characteristic of coefficients of conservatism (C values) ranging from 0 to 10	3
-------------------------------------------------------------------------------------------------------	---

Coefficients of Conservatism for the Vascular Flora of the Dakotas and Adjacent Grasslands

By The Northern Great Plains Floristic Quality Assessment Panel

Coordinator:

David M. Mushet
U.S. Geological Survey
Northern Prairie Wildlife Research Center
Jamestown, ND 58401

Panel Members:

William T. Barker
North Dakota State University
Department of Animal and Range Science
Fargo, ND 58105

Edward S. Dekeyser
North Dakota State University
Department of Animal and Range Science
Fargo, ND 58105

Harold A. Kantrud
U.S. Geological Survey (Retired)
Northern Prairie Wildlife Research Center
Jamestown, ND 58401

Donald R. Kirby
North Dakota State University
Department of Animal and Range Science
Fargo, ND 58105

Gary E. Larson
South Dakota State University
Department of Biology and Microbiology
Brookings, SD 57007

Darla M. Lenz
North Dakota Parks and Recreation Department
1835 Bismarck Expressway
Bismarck, ND 58504

Judith A. Maxwell
U.S. Department of Agriculture
Forest Service
Dakota Prairie Grasslands
Bismarck, ND 58501

Norman C. Melvin III
U.S. Department of Agriculture
Natural Resources Conservation Service
Wetlands Science Institute
Laurel, MD 20708

David J. Ode
South Dakota Department of Game, Fish, and Parks
523 East Capitol Avenue
Pierre, SD 57501

Charles A. Pelizza
U.S. Fish and Wildlife Service
RR #1, Box 77
Lake Andes, SD 57356

Abstract

Floristic quality assessment can be used to identify natural areas, to facilitate comparisons among different sites, to provide long-term monitoring of natural area quality, and to evaluate habitat management and restoration efforts. To facilitate the use of floristic quality assessment in North Dakota, South Dakota (excluding the Black Hills), and adjacent grasslands, we developed a species list and assigned coefficients of

conservatism (C values; range = 0 to 10) to each plant species in the region's flora. The C values we assigned represented our collective knowledge of the patterns of occurrence of each plant species in the Dakotas and our confidence that a particular taxon is natural-area dependent. Because state boundaries usually do not follow ecological boundaries, the C values we assigned should be equally valid in nearby areas with the same vegetation types. Of the 1,584 taxa we recognized in this effort, 275 (17%) were determined to be nonnative

to the region. We assigned C values of 4 or higher to 77% of our native taxa, and the entire native flora had a mean C value (\bar{C}) of 6.1. A floristic quality index (FQI) can be calculated to rank sites in order of their floristic quality. By applying the coefficients of conservatism supplied here and calculating \bar{C} and FQI, an effective means of evaluating the quality of plant communities can be obtained. Additionally, by repeating plant surveys and calculations of \bar{C} and FQI over time, temporal changes in floristic quality can be identified.

Key Words: floristic quality assessment, native plants, natural area assessment, natural area monitoring, North Dakota, plant community evaluation, restoration evaluation, plant species checklist, South Dakota.

Introduction

The natural landscape of North and South Dakota has been modified extensively since pre-European settlement. Large tracts of land have been tilled and put into agricultural production; wetlands have been drained, filled, and farmed; rangelands have been grazed by domestic livestock at timings and intensities that do not match those of native herbivores; and natural fires have been suppressed. Consequently, remaining natural areas display varying degrees of quality because of habitat alterations, and many of the region's native plant species have been reduced or eliminated from vast areas where they formerly occurred. As habitats have been altered, plant species adapted to these habitats have been replaced by other (often nonnative) species better suited to the new ecological conditions. As pressures to develop remaining natural areas continue, so does interest in preserving, restoring, and managing them. Effective methods are needed to identify areas of high floristic quality for preservation and to evaluate the effectiveness of current restoration and management efforts.

Swink and Wilhelm (1979, 1994) developed and later refined a system (floristic quality assessment) for assessing the quality of natural areas in the Chicago region of Illinois. Their system was based on the concept that plant species display varying degrees of tolerance to disturbance, as well as varying degrees of fidelity to specific habitat integrity. They termed this tolerance and fidelity "species conservatism" and assigned each native plant species in the Chicago region a coefficient of 0 to 10 based on its conservatism relative to other native species in the region's flora. Given the assumption that the floristic quality of an area is directly related to its richness in conservative species

(Wilhelm and Ladd, 1988), the assigned coefficients of conservatism (C values), together with a list of native plant species present in an area, can be used to index the floristic quality of that area (Swink and Wilhelm, 1994). Subsequently, floristic quality assessment has been expanded to include Michigan, Missouri, the remainder of Illinois, and northern Ohio (Ladd, 1993; Andreas and Lichvar, 1995; Herman and others, 1997; Taft and others, 1997), and interest to expand the effort to other regions is growing. Here we provide C values for plant species of North Dakota and South Dakota, excluding the Black Hills, (hereafter referred to as the Dakotas) to facilitate the use of floristic quality assessment in this region and adjacent grasslands.

Methods

Assignment of coefficients

At an initial meeting of scientists and land managers in November 1999, we determined that the development of a species list with standardized C values for the Dakotas' flora would improve efforts to assess the quality of remnant natural areas and aid evaluations of restoration and management efforts. The Northern Great Plains Floristic Quality Assessment Panel was formed to develop this checklist by using the "Atlas of the Flora of the Great Plains" and the "Flora of the Great Plains" (Great Plains Flora Association, 1977, 1991) as primary reference sources. In January 2000, the panel met for a 3-day workshop at the North Dakota State University Herbarium, in Fargo, North Dakota, where we assigned a C value to each taxon on the checklist (see page 7).

We attempted to include all species naturally occurring in plant communities of the Dakotas on our checklist. However, the listing of taxa is not intended to serve as an exhaustive flora of the region; we developed this checklist primarily to facilitate the use of floristic quality assessment in our area. For ease of use, we followed the botanical nomenclature provided in the region's most widely used reference, "Flora of the Great Plains" (Great Plains Flora Association, 1991). We acknowledge that some of the taxonomy is outdated, but given the current state of flux in botanical nomenclature, we decided to standardize our checklist with this widely available printed source which includes keys and detailed descriptions of each taxon. In addition, we are developing an Internet-based version of our checklist to be served from the U.S. Geological Survey's Northern Prairie Wildlife Research Center World Wide Web site (www.npwrc.usgs.gov/resource/2001/fqa/)

fqa.htm) where we intend to provide updated synonyms and species codes standardized with the U.S. Department of Agriculture's PLANTS database (USDA, NRCS, 1999).

We assigned C values (0 to 10) to each taxon of the region's native flora. In assigning coefficients, we followed the guidelines set forth by Taft and others (1997), which are a slight modification of earlier efforts by Swink and Wilhelm (1979, 1994). The C values we assigned represent our collective knowledge of the patterns of occurrence of each plant species in the Dakotas and our confidence that a particular taxon is natural-area dependent. We supplemented our combined field experience by examining range maps and reviewing habitat comments in several references for some taxa (Stevens, 1963; Van Bruggen, 1976; Great Plains Flora Association, 1977, 1991; Larson, 1993). We assigned a coefficient of 0 to weedy species that can flourish in the most highly disturbed habitats (freshly tilled fields, gardens, new road cuts, etc.). Although native to our region, these weedy taxa provided us with 0 confidence that a specimen brought into the herbarium was collected from a remnant natural area. We assigned coefficients ranging from 1 to 4 to taxa that occur in natural areas but also in highly degraded habitats. Thus, a taxon receiving a 3 provided only about 30% confidence that this plant came from a remnant natural area. Taxa to which we assigned coefficients ranging from 5 to 9 are usually found in natural areas but have decreasing degrees of tolerance to disturbance. A taxon with a coefficient of 5 likely came from a natural area, but it could have been a very disturbed natural area, and a taxon receiving a 9 likely came from a relatively undisturbed or otherwise high quality natural area. We reserved the coefficient 10 for those taxa virtually restricted to natural, undisturbed habitats in the Dakotas (i.e., we could be nearly 100% confident that a sample brought into the herbarium was collected from a high quality natural remnant). In the table, we provide examples of species that characterize each C value.

As expected, the differences in plants receiving consecutive coefficients (e.g., 2 and 3) are sometimes slight and hardly discernable. However, concern over whether a plant is assigned a 2 and not a 3 or a 1, for example, is mitigated by averaging values in the actual application of this system (see below). We assigned an asterisk to all nonnative taxa as they are typically excluded from the Floristic Quality Assessment calculations described on page 4. Taxa identified as native on our checklist, but that also occur in our region as escapees from cultivation, should be ranked as nonnative when found in these situations (e.g.,

Juniperus scopulorum, *Juniperus virginiana*, and *Pinus ponderosa*).

Mean C values

By applying the C values provided in the Checklist (page 7) to a plant species list assembled for an area of interest, a mean C value (\bar{C}) can be calculated by summing the C values for each native species present in the survey and dividing the summation by the total number of species present (N):

$$\bar{C} = \frac{\sum C}{N}$$

Thus, \bar{C} represents the average conservatism of the plant community. By repeating surveys and calculating \bar{C} over periods of time, temporal changes in floristic quality can be evaluated. If habitat quality of an area is degrading, the first plants lost from the plant community will be conservative species (i.e., those with the highest C values). These conservative species will be replaced by less conservative species (i.e., those with lower C values), nonnative weeds, or no plants at all and \bar{C} will decline. Alternatively, if habitat quality is improving, the number of conservative species will increase and be reflected by an increase in \bar{C} .

Nonnative species are not used in calculations to estimate the floristic quality of the native plant communities. Because these species did not develop in our region, it is difficult to assess the relationship of their occurrence to habitat integrity. Additionally, some nonnative species such as *Bromus inermis* and *Poa pratensis* are virtually ubiquitous in the region. It is

Table. Plant species characteristic of coefficients of conservatism (C values) ranging from 0 to 10.

C value	Example species
0	<i>Amaranthus retroflexus</i> , <i>Conyza canadensis</i> , <i>Panicum capillare</i>
1	<i>Beckmannia syzigachne</i> , <i>Draba reptans</i> , <i>Solidago canadensis</i>
2	<i>Aster ericoides</i> , <i>Potentilla anserine</i> , <i>Verbena stricta</i>
3	<i>Bidens cernua</i> , <i>Ratibida columnifera</i> , <i>Rosa arkansana</i>
4	<i>Agropyron smithii</i> , <i>Carex eleocharis</i> , <i>Ribes missouriense</i>
5	<i>Andropogon gerardii</i> , <i>Cornus stolonifera</i> , <i>Helianthus maximiliana</i>
6	<i>Eriogonum annuum</i> , <i>Iris missouriensis</i> , <i>Sorghastrum nutans</i>
7	<i>Astragalus crassicaipos</i> , <i>Erysimum inconspicuum</i> , <i>Koeleria pyramidata</i>
8	<i>Heuchera richardsonii</i> , <i>Liatris aspera</i> , <i>Stipa spartea</i>
9	<i>Amorpha nana</i> , <i>Lespedeza capitata</i> , <i>Mertensia lanceolata</i>
10	<i>Cypripedium</i> spp., <i>Trillium</i> spp., <i>Vallisneria americana</i>

better to measure the effect that these species have on the native plant communities by considering them as a disturbance (i.e., measuring their effect indirectly through changes in \bar{C} of the native plant community). If desired, a calculation of \bar{C} can be conducted that includes the nonnative species. In these cases, nonnative species should be assigned a C value of 0, and a separate calculation using only the native species should also be conducted and reported.

Floristic quality index

If one is ranking sites in order of their floristic quality, a method is needed to discriminate among areas with similar \bar{C} 's but that differ significantly in the number of native species each supports. This ranking can be accomplished by calculating a floristic quality index (FQI). FQI is obtained by multiplying \bar{C} by the square root of the number of native species present (N):

$$FQI = \bar{C}\sqrt{N}$$

Thus, FQI is simply a weighted species-richness estimate that uses a square root transformation of N to limit the influence of area alone on species richness (Swink and Wilhelm, 1979, 1994). Two sites may have similar \bar{C} 's but different FQI's or similar FQI's but different \bar{C} 's if the number of native species each supports differs greatly. Calculating values for both \bar{C} and FQI facilitates better comparisons among sites.

Application

Swink and Wilhelm (1994) identified four commonly used applications for the floristic quality assessment system: (1) identification of natural areas, (2) facilitation of comparisons among different sites, (3) long-term monitoring of remnant natural area quality, and (4) evaluating habitat restorations. All four applications involve compiling a plant inventory for a site and then calculating \bar{C} and FQI using C values assigned a priori to each taxon (see checklist, page 7). For monitoring efforts, these inventories can be duplicated yearly or at other intervals deemed appropriate to capture temporal changes in floristic quality. The sampling unit can be as small as a 0.25-m² quadrat along a transect or as large as an entire natural area. The size of the sampling unit depends most often upon project objectives. In the case of an isolated wetland, the unit may be the entire wetland where a botanist would record all species encountered in a complete walkthrough of the basin. However, quadrats randomly placed within each zone may be more appropriate if an assessment of the

wetland's plant communities by vegetative zone is the goal. Because sample area and sampling effort can influence floristic quality assessments, it is important to include details of the survey methodology when reporting \bar{C} and FQI. The details will facilitate meaningful and consistent subsequent comparisons of floristic quality among areas.

Although \bar{C} and FQI each provide useful information for assessing ecosystem integrity, other measurements can provide additional information and should be included in most assessments of floristic quality. Total species richness, native species richness, percent nonnative taxa, and physiognomic composition can also be calculated without additional field work, and each can provide information useful in discriminating between sites or in corroborating trends observed in \bar{C} or FQI (e.g., a decrease in \bar{C} may be accompanied by an increase in the percent of nonnative taxa).

We limited our checklist to the vascular flora of the Dakotas and assigned the C values based on the occurrence of each species within this political boundary. State boundaries usually do not follow ecological boundaries; thus, the C values we provide should be equally valid in nearby areas with the same vegetation types. The glaciated plains of western Minnesota and northwestern Iowa are prime examples of areas where our C values should be applicable. However, the more remote a site is from our core area of consideration, the more likely it will be that our C values will not reflect local conditions and may render misleading results.

Results and discussion

Of the total 1,584 taxa we considered in this effort, 275 (17%) were determined to be nonnative to the region. Of the region's 1,309 native taxa, we assigned a C value of 10 to 20% (figure 1), indicating that these plants are extremely intolerant of disturbance; consequently, these taxa occur only in the highest quality, remnant natural areas of the Dakotas. We assigned C values of 3 or less to 23% of our native taxa, and the entire native flora of the Dakotas had a \bar{C} of 6.1. These results are similar to those found in the Chicago region, other parts of Illinois, and Michigan where 11%, 17%, and 15% (respectively) of the native plant species were assigned C values of 3 or less and the native floras had \bar{C} 's of 7.3, 6.4, and 6.5 (Swink and Wilhelm, 1994; Herman and others, 1997; Taft and others, 1997).

Grouping taxa by physiognomic class reveals that most native species in the Dakotas are perennial forbs, followed by annual forbs, perennial sedges, perennial grasses, and shrubs (figure 2). Conversely, the region's

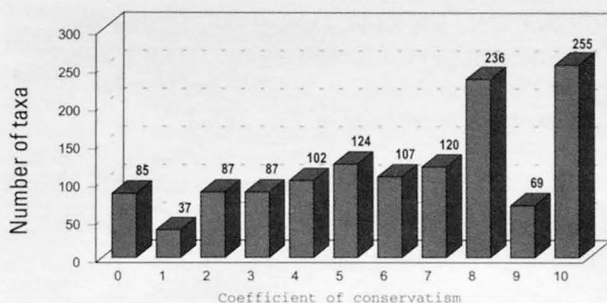


Figure 1. Distribution of the 1,309 native plant taxa occurring in North and South Dakota (excluding the Black Hills) by coefficient of conservatism designation.

nonnative taxa are dominated by annual forbs. Also, although only 16% of the native grasses are annuals, over half (55%) of the nonnative grass taxa are annuals. Of the 129 perennial grasses in the Dakota region, only 18 (14%) are nonnative; however, of the 44 annual grasses, half are nonnative. Much of the current landscape favors annual plants, whereas annual species were less prevalent in the region's presettlement plant communities. The shift from habitats favorable to perennials to those providing competitive advantages to annuals is clearly reflected in the physiognomic composition of the nonnative plant taxa that have successfully invaded our region.

By applying the coefficients of conservatism supplied here and calculating \bar{C} and FQI, an effective means of evaluating the quality of plant communities in our region is obtained. Changes in quality, either positive or negative, can be identified by repeating surveys and calculations over time. Through the use of floristic quality assessment, for example, a preserve manager reintroducing fire to a landscape in a manner

approximating pre-European settlement conditions can determine, through changes in \bar{C} and FQI, if the change in management is allowing conservative plant species to repopulate the area. Similarly, a regulator attempting to estimate the consequences of draining a wetland can obtain a clearer idea of the likelihood of re-creating a wetland with a comparable plant community elsewhere, and a real estate specialist will have reliable information for ranking tracts of land when acquisition funds are limited.

Floristic quality assessment may help to better focus our efforts in areas of greatest potential benefit as competition for limited natural and financial resources continues. For example, drainage of a wetland with a long history of cropping in the basin during periods of below average precipitation may be easy to mitigate in terms of the native plant communities it supports. The species inhabiting this wetland will be limited to those that can tolerate the extreme disturbances associated with periodic cropping and will quickly repopulate a created or restored basin with minimal effort. However, a similarly sized wetland with soils that have never been tilled may support a native plant community rich in conservative species and be beyond our current abilities to create or restore; loss of this wetland should be considered an immitigable event. Floristic quality assessment allows us to identify high quality natural areas and to measure the quality of native plant communities we have attempted to restore and/or manage, thus providing an objective assessment of our current restoration and management efforts.

Acknowledgments

We would like to thank individuals and agency representatives who attended our November 1999 meeting in Jamestown, North Dakota, and provided their ideas, inspiration, and support. We thank the USGS Northern Prairie Wildlife Research Center for hosting this initial meeting and North Dakota State University for providing use of their facilities for our follow-up workshop in Fargo, North Dakota. This effort would not have been possible without the financial support of the U.S. Department of Agriculture Natural Resources Conservation Service, U.S. Army Corps of Engineers, U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, and the U.S. Geological Survey. We thank Mark A. Anderson, Robert R. Cox, Jr., Ann L. Dahl, Bruce A. Hanson, and two anonymous individuals for reviewing this manuscript, and Dorothy E. Mushet for providing the cover illustration. Additionally, we thank Dr. Gerould S. Wilhelm for providing his unique insight

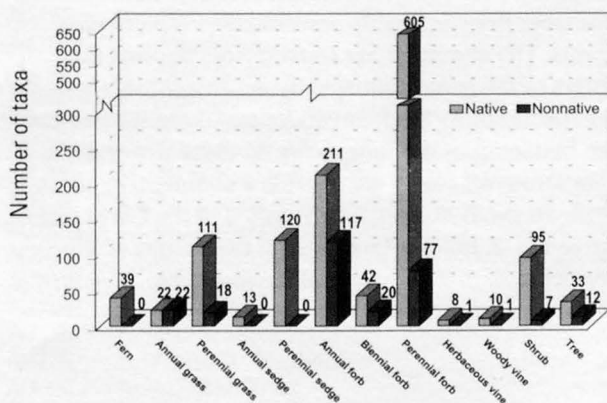


Figure 2. Distribution of native and nonnative plant taxa occurring in North and South Dakota (excluding the Black Hills) by physiognomic class.

and guidance throughout this process, especially during our initial meeting in Jamestown and the resulting workshop in Fargo.

References cited

- Andreas, B.K., and Lichvar, R.W., 1995, Floristic index for establishing assessment standards: a case study for northern Ohio: U.S. Army Corps of Engineers, Technical Report WRP-DE-8, 16 p. + appendices.
- Great Plains Flora Association, 1977, Atlas of the Flora of the Great Plains: Ames, Iowa, Iowa State University Press, 600 p.
- Great Plains Flora Association, 1991, Flora of the Great Plains: Lawrence, Kan., University Press of Kansas, 1402 p.
- Herman, K.D., Masters, L.A., Penskar, M.R., Reznicek, A.A., Wilhelm, G.S., and Brodowicz, W.W., 1997, Floristic quality assessment: development and application in the state of Michigan (USA): Natural Areas Journal, v. 17, p. 265-279.
- Ladd, D.M., 1993, Coefficients of conservatism for Missouri vascular flora: St. Louis, Mo., The Nature Conservancy, 53 p.
- Larson, G.E., 1993, Aquatic and wetland vascular plants of the northern Great Plains: U.S. Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-238, 681 p.
- Stevens, O.A., 1963, Handbook of North Dakota plants: Fargo, N.D., North Dakota Institute for Regional Studies, 324 p.
- Swink, F.A., and Wilhelm, G.S., 1979, Plants of the Chicago region (3d ed.): Lisle, Ill., Morton Arboretum.
- Swink, F.A., and Wilhelm, G.S., 1994, Plants of the Chicago region (4th ed.): Indianapolis, Ind., Indiana Academy of Science, 921 p.
- Taft, J.B., Wilhelm, G.S., Ladd, D.M., and Masters, L.A., 1997, Floristic quality assessment for vegetation in Illinois, a method for assessing vegetation integrity: *Erigenia*, v. 15, p. 3-95.
- Van Bruggen, T., 1976, Vascular plants of South Dakota: Ames, Iowa, Iowa State University Press, 538 p.
- U.S. Department of Agriculture, Natural Resources Conservation Service, 1999, The PLANTS database (<http://plants.usda.gov/plants>): Baton Rouge, La., National Plant Data Center, Date accessed 12/09/99.
- Wilhelm, G.S., and Ladd, D.M., 1988, Natural area assessment in the Chicago region: Transactions of the 3rd North American Wildlife and Natural Resource Conference, v. 3, p. 361-375.

Vegetation checklist for North and South Dakota (excluding the Black Hills)

Here we provide a listing of the vascular plant taxa of North and South Dakota (excluding the Black Hills) with our recommended coefficients of conservatism (C). The listing of taxa in our checklist is not intended to serve as an exhaustive flora of the region; we developed this listing for the primary purpose of facilitating use of floristic quality assessment in the Dakotas and adjacent grasslands. For ease of use, we followed the botanical nomenclature provided in the most widely used flora checklist for the Dakotas, "Flora of the Great Plains" (Great Plains Flora Association, 1991). The listing is sorted alphabetically by scientific name. Native taxa are italicized while nonnative taxa are capitalized and also identified by an asterisk in the C column.

Each taxon has been designated a physiognomic grouping (i.e., fern, grass, sedge, forb, vine, shrub, tree). The grasses, sedges, and forbs are further identified as annuals (A), biennials (B), or perennials (P), and the vines are identified as herbaceous (H) or woody (W). Although these designations sometimes imperfectly depict the habit of a plant taxon and are subject to interpretation, they can be useful in identifying structural differences or changes in a plant community.

To further aid the application of floristic quality assessment in the Dakotas, we provide a six-letter acronym for each taxon. Use of these acronyms increases the speed at which field notes can be recorded and allows the direct transfer of field data into currently available floristic quality assessment computer programs. The acronyms are formed from 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 the subspecies. In cases where duplicate acronyms result, we provide a nonintuitive acronym. To avoid excessive duplication in the *Carex* genus, we used CX followed by the first four letters of the species.

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
ABRFRA	7	<i>Abronia fragrans</i>	Sweet sand verbena	P-FORB	Nyctaginaceae
ABUTHE	*	<i>ABUTILON THEOPHRASTI</i>	Velvetleaf	A-FORB	Malvaceae
ACARHO	0	<i>Acalypha rhomboidea</i>	Rhombic copperleaf	A-FORB	Euphorbiaceae
ACAVIR	0	<i>Acalypha virginica</i>	Virginia mercury	A-FORB	Euphorbiaceae
ACENEG	1	<i>Acer negundo</i>	Box elder	TREE	Aceraceae
ACESAI	4	<i>Acer saccharinum</i>	Silver maple	TREE	Aceraceae
ACESAU	10	<i>Acer saccharum</i>	Sugar maple	TREE	Aceraceae
ACHMIL	3	<i>Achillea millefolium</i> subsp. <i>lanulosa</i>	Common yarrow	P-FORB	Asteraceae
ACHSIB	10	<i>Achillea sibirica</i>	Siberian yarrow	P-FORB	Asteraceae
ACOCAL	*	<i>ACORUS CALAMUS</i>	Sweet flag	P-FORB	Araceae
ACTRUB	8	<i>Actaea rubra</i>	Baneberry	P-FORB	Ranunculaceae
ADICAP	8	<i>Adiantum capillus-veneris</i>	Venus'-hair fern	FERN	Polypodiaceae
AEGCYL	*	<i>AEGILOPS CYLINDRICA</i>	Jointed goatgrass	A-GRASS	Poaceae
AGAASP	9	<i>Agalinis aspera</i>	Tall false foxglove	A-FORB	Scrophulariaceae
AGATEN	8	<i>Agalinis tenuifolia</i>	Slenderleaf false foxglove	A-FORB	Scrophulariaceae
AGAFOE	7	<i>Agastache foeniculum</i>	Lavender hyssop	P-FORB	Lamiaceae
AGANEP	8	<i>Agastache nepetoides</i>	Catnip giant hyssop	P-FORB	Lamiaceae
AGASCR	9	<i>Agastache scrophulariaefolia</i>	Purple giant hyssop	P-FORB	Lamiaceae
AGOGLA	8	<i>Agoseris glauca</i>	False dandelion	P-FORB	Asteraceae
AGRGY	5	<i>Agrimonia gryposepala</i>	Hooked agrimony	P-FORB	Rosaceae
AGRSTR	5	<i>Agrimonia striata</i>	Striate agrimony	P-FORB	Rosaceae
AGRCAM	6	<i>Agropyron caninum</i> subsp. <i>majus</i> var. <i>majus</i>	Slender wheatgrass	P-GRASS	Poaceae
AGRCAU	6	<i>Agropyron caninum</i> subsp. <i>majus</i> var. <i>unilaterale</i>	Slender wheatgrass	P-GRASS	Poaceae
AGRCRI	*	<i>AGROPYRON CRISTATUM</i>	Crested wheatgrass	P-GRASS	Poaceae
AGRDAS	7	<i>Agropyron dasystachyum</i>	Thickspike wheatgrass	P-GRASS	Poaceae
AGRELO	*	<i>AGROPYRON ELONGATUM</i>	Tall wheatgrass	P-GRASS	Poaceae
AGRINT	*	<i>AGROPYRON INTERMEDIUM</i>	Intermediate wheatgrass	P-GRASS	Poaceae
AGRREP	*	<i>AGROPYRON REPENS</i>	Quackgrass	P-GRASS	Poaceae
AGRSMI	4	<i>Agropyron smithii</i>	Western wheatgrass	P-GRASS	Poaceae
AGRSPI	9	<i>Agropyron spicatum</i>	Bluebunch wheatgrass	P-GRASS	Poaceae
AGRGIT	*	<i>AGROSTEMMA GITHAGO</i>	Corn cockle	A-FORB	Caryophyllaceae
AGREXA	10	<i>Agrostis exarata</i> subsp. <i>minor</i>	Spikebent	P-GRASS	Poaceae
AGRHYE	1	<i>Agrostis hyemalis</i>	Ticklegrass	P-GRASS	Poaceae
AGRPER	2	<i>Agrostis perennans</i>	Autumn bent	P-GRASS	Poaceae
AGRSCA	1	<i>Agrostis scabra</i>	Ticklegrass	P-GRASS	Poaceae
AGRSTO	*	<i>AGROSTIS STOLONIFERA</i>	Redtop	P-GRASS	Poaceae
ALIGRA	2	<i>Alisma gramineum</i>	Narrowleaf water plantain	P-FORB	Alismataceae
ALISUB	2	<i>Alisma subcordatum</i>	Common water plantain	P-FORB	Alismataceae
ALITRI	2	<i>Alisma triviale</i>	Large-flowered water plantain	P-FORB	Alismataceae
ALLPET	*	<i>ALLIARIA PETIOLATA</i>	Garlic mustard	B-FORB	Brassicaceae
ALLCAC	8	<i>Allium canadense</i> var. <i>canadense</i>	Wild onion	P-FORB	Liliaceae
ALLCAF	8	<i>Allium canadense</i> var. <i>fraseri</i>	Wild onion	P-FORB	Liliaceae
ALLCAL	8	<i>Allium canadense</i> var. <i>lavendulare</i>	Wild onion	P-FORB	Liliaceae
ALLCER	8	<i>Allium cernuum</i>	Nodding onion	P-FORB	Liliaceae
ALLDRU	10	<i>Allium drummondii</i>	Drummond's onion	P-FORB	Liliaceae
ALLGEY	10	<i>Allium geyeri</i>	Geyer's onion	P-FORB	Liliaceae
ALLPER	9	<i>Allium perdulce</i>	Plains onion	P-FORB	Liliaceae
ALLSTE	7	<i>Allium stellatum</i>	Pink wild onion	P-FORB	Liliaceae
ALLTEX	7	<i>Allium textile</i>	White wild onion	P-FORB	Liliaceae
ALLTRI	10	<i>Allium tricoccum</i>	Wild leek	P-FORB	Liliaceae
ALNINC	9	<i>Alnus incana</i> subsp. <i>rugosa</i>	Speckled alder	SHRUB	Betulaceae
ALOAEO	2	<i>Alopecurus aequalis</i>	Shortawn foxtail	P-GRASS	Poaceae
ALOARU	*	<i>ALOPECURUS ARUNDINACEUS</i>	Creeping foxtail	P-GRASS	Poaceae
ALOCAR	0	<i>Alopecurus carolinianus</i>	Carolina foxtail	A-GRASS	Poaceae
ALOGEN	0	<i>Alopecurus geniculatus</i>	Marsh foxtail	P-GRASS	Poaceae
ALOPRA	*	<i>ALOPECURUS PRATENSIS</i>	Meadow foxtail	P-GRASS	Poaceae
ALTOFF	*	<i>ALTHAEA OFFICINALIS</i>	Marshmallow	P-FORB	Malvaceae
ALTROS	*	<i>ALTHAEA ROSEA</i>	Hollyhock	B-FORB	Malvaceae
ALYALY	*	<i>ALYSSUM ALYSSOIDES</i>	Pale alyssum	A-FORB	Brassicaceae
ALYDES	*	<i>ALYSSUM DESERTORUM</i>	Alyssum	A-FORB	Brassicaceae
AMAALB	0	<i>Amaranthus albus</i>	Tumbleweed	A-FORB	Amaranthaceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
AMAARE	0	<i>Amaranthus arenicola</i>	Sandhills pigweed	A-FORB	Amaranthaceae
AMAGRA	0	<i>Amaranthus graecizans</i>	Prostrate pigweed	A-FORB	Amaranthaceae
AMAHYB	*	AMARANTHUS HYBRIDUS	Slender pigweed	A-FORB	Amaranthaceae
AMARET	0	<i>Amaranthus retroflexus</i>	Rough pigweed	A-FORB	Amaranthaceae
AMARUD	0	<i>Amaranthus rudis</i>	Water-hemp	A-FORB	Amaranthaceae
AMATUB	0	<i>Amaranthus tuberculatus</i>	Tall waterhemp	A-FORB	Amaranthaceae
AMBACA	0	<i>Ambrosia acanthicarpa</i>	Annual bursage	A-FORB	Asteraceae
AMBART	0	<i>Ambrosia artemisiifolia</i>	Common ragweed	A-FORB	Asteraceae
AMBPSI	2	<i>Ambrosia psilostachya</i>	Western ragweed	P-FORB	Asteraceae
AMBTOM	0	<i>Ambrosia tomentosa</i>	Perennial bursage	P-FORB	Asteraceae
AMBTRI	0	<i>Ambrosia trifida</i>	Giant ragweed	A-FORB	Asteraceae
AMEALN	6	<i>Amelanchier alnifolia</i>	Saskatoon serviceberry	SHRUB	Rosaceae
AMEHUM	6	<i>Amelanchier humilis</i>	Low serviceberry	SHRUB	Rosaceae
AMMAUR	2	<i>Ammannia auriculata</i>	Scarlet loosestrife	A-FORB	Lythraceae
AMMCOC	2	<i>Ammannia coccinea</i>	Toothcup	A-FORB	Lythraceae
AMMROB	2	<i>Ammannia robusta</i>	Grand redstem	A-FORB	Lythraceae
AMOCAN	9	<i>Amorpha canescens</i>	Lead plant	SHRUB	Fabaceae
AMOFRU	4	<i>Amorpha fruticosa</i>	False indigo	SHRUB	Fabaceae
AMONAN	9	<i>Amorpha nana</i>	Dwarf wild indigo	SHRUB	Fabaceae
AMPBRA	8	<i>Amphicarpaea bracteata</i>	Hog peanut	H-VINE	Fabaceae
AMSINT	0	<i>Amsinckia intermedia</i>	Gander's common fiddleneck	A-FORB	Boraginaceae
ANDGER	5	<i>Andropogon gerardii</i>	Big bluestem	P-GRASS	Poaceae
ANDHAL	5	<i>Andropogon hallii</i>	Sand bluestem	P-GRASS	Poaceae
ANDSCO	6	<i>Andropogon scoparius</i>	Little bluestem	P-GRASS	Poaceae
ANDOCC	5	<i>Androsace occidentalis</i>	Western rock jasmine	A-FORB	Primulaceae
ANDSEP	5	<i>Androsace septentrionalis</i>	Northern rock jasmine	A-FORB	Primulaceae
ANECAN	4	<i>Anemone canadensis</i>	Meadow anemone	P-FORB	Ranunculaceae
ANECAR	8	<i>Anemone caroliniana</i>	Carolina anemone	P-FORB	Ranunculaceae
ANECYL	7	<i>Anemone cylindrica</i>	Candle anemone	P-FORB	Ranunculaceae
ANEMUL	8	<i>Anemone multifida</i>	Pacific anemone	P-FORB	Ranunculaceae
ANEPAT	9	<i>Anemone patens</i>	Pasque flower	P-FORB	Ranunculaceae
ANEQUI	10	<i>Anemone quinquefolia</i>	Wood anemone	P-FORB	Ranunculaceae
ANEVIR	8	<i>Anemone virginiana</i>	Tall anemone	P-FORB	Ranunculaceae
ANEGRA	*	ANETHUM GRAVEOLENS	Dill	A-FORB	Apiaceae
ANTMIC	7	<i>Antennaria microphylla</i>	Pink pussytoes	P-FORB	Asteraceae
ANTNEG	5	<i>Antennaria neglecta</i>	Field pussytoes	P-FORB	Asteraceae
ANTNEO	7	<i>Antennaria neodioica</i>	Northern pussytoes	P-FORB	Asteraceae
ANTPAL	10	<i>Antennaria parlinii</i>	Plainleaf pussytoes	P-FORB	Asteraceae
ANTPAV	6	<i>Antennaria parvifolia</i>	Pussytoes	P-FORB	Asteraceae
ANTARV	*	ANTHEMIS ARVENSIS	Corn chamomile	A-FORB	Asteraceae
ANTCOT	*	ANTHEMIS COTULA	Dog fennel	A-FORB	Asteraceae
ANTTIN	*	ANTHEMIS TINCTORIA	Yellow chamomile	P-FORB	Asteraceae
APIAME	9	<i>Apios americana</i>	Groundnut	H-VINE	Fabaceae
APOAND	6	<i>Apocynum androsaemifolium</i>	Spreading dogbane	P-FORB	Apocynaceae
APOCAN	4	<i>Apocynum cannabinum</i>	Indian hemp dogbane	P-FORB	Apocynaceae
AQUCAN	8	<i>Aquilegia canadensis</i>	Wild columbine	P-FORB	Ranunculaceae
ARACAN	10	<i>Arabis canadensis</i>	Sicklepod	B-FORB	Brassicaceae
ARADIV	9	<i>Arabis divaricarpa</i>	Spreadingpod rockcress	B-FORB	Brassicaceae
ARADRU	8	<i>Arabis drummondii</i>	Drummond's rockcress	B-FORB	Brassicaceae
ARAGLA	6	<i>Arabis glabra</i>	Tower rockcress	B-FORB	Brassicaceae
ARAHIR	7	<i>Arabis hirsuta</i> var. <i>pyncocarpa</i>	Creamflower rockcress	B-FORB	Brassicaceae
ARAHOC	5	<i>Arabis holboellii</i> var. <i>collinsii</i>	Collin's rockcress	B-FORB	Brassicaceae
ARAHOP	5	<i>Arabis holboellii</i> var. <i>pinetorum</i>	Holboell's rockcress	B-FORB	Brassicaceae
ARASHO	10	<i>Arabis shortii</i>	Short's rockcress	B-FORB	Brassicaceae
ARANUD	10	<i>Aralia nudicaulis</i>	Wild sarsaparilla	P-FORB	Araliaceae
ARARAC	10	<i>Aralia racemosa</i>	Spikenard	P-FORB	Araliaceae
ARCMIN	*	ARCTIUM MINUS	Common burdock	B-FORB	Asteraceae
ARCUVA	8	<i>Arctostaphylos uva-ursi</i>	Bearberry	SHRUB	Ericaceae
AREHOO	8	<i>Arenaria hookeri</i>	Hooker's sandwort	P-FORB	Caryophyllaceae
ARELAT	8	<i>Arenaria lateriflora</i>	Grove sandwort	P-FORB	Caryophyllaceae
ARESTR	8	<i>Arenaria stricta</i> subsp. <i>dawsonensis</i>	Rock sandwort	P-FORB	Caryophyllaceae
ARGPOL	4	<i>Argemone polyanthemus</i>	Prickly poppy	A-FORB	Papaveraceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
ARITRI	10	<i>Arisaema triphyllum</i>	Jack-in-the-pulpit	P-FORB	Araceae
ARIBAS	0	<i>Aristida basiramea</i> var. <i>curtissii</i>	Foxtip three-awn	A-GRASS	Poaceae
ARIOLI	0	<i>Aristida oligantha</i>	Prairie three-awn	A-GRASS	Poaceae
ARIPUR	4	<i>Aristida purpurea</i> var. <i>robusta</i>	Red three-awn	P-GRASS	Poaceae
ARMRUS	*	ARMORACIA RUSTICANA	Horseradish	P-FORB	Brassicaceae
ARNFUL	10	<i>Arnica fulgens</i>	Arnica	P-FORB	Asteraceae
ARTABS	*	ARTEMISIA ABSINTHIUM	Wormwood	P-FORB	Asteraceae
ARTBIE	*	ARTEMISIA BIENNIS	Biennial wormwood	B-FORB	Asteraceae
ARTCAM	5	<i>Artemisia campestris</i> subsp. <i>caudata</i>	Western sagewort	B-FORB	Asteraceae
ARTCAN	7	<i>Artemisia cana</i>	Dwarf sagebrush	SHRUB	Asteraceae
ARTDRA	4	<i>Artemisia dracunculus</i>	Silky wormwood	P-FORB	Asteraceae
ARTFIL	6	<i>Artemisia filifolia</i>	Sand sagebrush	SHRUB	Asteraceae
ARTFRI	4	<i>Artemisia frigida</i>	Prairie sagewort	SHRUB	Asteraceae
ARTLON	7	<i>Artemisia longifolia</i>	Long-leaved sage	P-FORB	Asteraceae
ARTLUD	3	<i>Artemisia ludoviciana</i> var. <i>ludoviciana</i>	White sage	P-FORB	Asteraceae
ARTTRI	7	<i>Artemisia tridentata</i>	Big sagebrush	SHRUB	Asteraceae
ASACAN	10	<i>Asarum canadense</i>	Wild ginger	P-FORB	Aristolochiaceae
ASCARE	8	<i>Asclepias arenaria</i>	Sand milkweed	P-FORB	Asclepiadaceae
ASCINC	5	<i>Asclepias incarnata</i>	Swamp milkweed	P-FORB	Asclepiadaceae
ASCLAN	10	<i>Asclepias lanuginosa</i>	Woolly milkweed	P-FORB	Asclepiadaceae
ASCOVA	9	<i>Asclepias ovalifolia</i>	Ovalleaf milkweed	P-FORB	Asclepiadaceae
ASCPUM	7	<i>Asclepias pumila</i>	Plains milkweed	P-FORB	Asclepiadaceae
ASCSPE	4	<i>Asclepias speciosa</i>	Showy milkweed	P-FORB	Asclepiadaceae
ASCSUL	10	<i>Asclepias sullivantii</i>	Smooth milkweed	P-FORB	Asclepiadaceae
ASCSYR	0	<i>Asclepias syriaca</i>	Common milkweed	P-FORB	Asclepiadaceae
ASCTUB	9	<i>Asclepias tuberosa</i>	Butterfly milkweed	P-FORB	Asclepiadaceae
ASCVIR	3	<i>Asclepias verticillata</i>	Whorled milkweed	P-FORB	Asclepiadaceae
ASCVIR	8	<i>Asclepias viridiflora</i>	Green milkweed	P-FORB	Asclepiadaceae
ASPOFF	*	ASPARAGUS OFFICINALIS	Asparagus	P-FORB	Liliaceae
ASPPRO	*	ASPERUGO PROCUMBENS	Madwort	A-FORB	Boraginaceae
ASTBRA	0	<i>Aster brachyactis</i>	Rayless aster	A-FORB	Asteraceae
ASTCIL	8	<i>Aster ciliolatus</i>	Lindley's aster	P-FORB	Asteraceae
ASTCOM	4	<i>Aster commutatus</i>	White prairie aster	P-FORB	Asteraceae
ASTERI	2	<i>Aster ericoides</i>	White aster	P-FORB	Asteraceae
ASTFAL	4	<i>Aster falcatus</i>	White prairie aster	P-FORB	Asteraceae
ASTHES	4	<i>Aster hesperius</i>	Panicled aster	P-FORB	Asteraceae
ASTJUN	10	<i>Aster junciformis</i>	Northern bog aster	P-FORB	Asteraceae
ASTLAE	5	<i>Aster laevis</i>	Smooth blue aster	P-FORB	Asteraceae
ASTLAT	10	<i>Aster lateriflorus</i>	White woodland aster	P-FORB	Asteraceae
ASTLUC	10	<i>Aster lucidulus</i>	Purplestem aster	P-FORB	Asteraceae
ASTNOV	8	<i>Aster novae-angliae</i>	New England aster	P-FORB	Asteraceae
ASTOBL	8	<i>Aster oblongifolius</i>	Aromatic aster	P-FORB	Asteraceae
ASTONT	10	<i>Aster ontarionis</i>	Missouri aster	P-FORB	Asteraceae
ASTOOL	10	<i>Aster oolentangiensis</i>	Azure aster	P-FORB	Asteraceae
ASTPAN	4	<i>Aster pansus</i>	Many-flowered aster	P-FORB	Asteraceae
ASTPAU	10	<i>Aster pauciflorus</i>	Few-flowered aster	P-FORB	Asteraceae
ASTPIL	1	<i>Aster pilosus</i>	Hairy aster	P-FORB	Asteraceae
ASTPUB	9	<i>Aster pubentior</i>	Flat-top aster	P-FORB	Asteraceae
ASTPUN	10	<i>Aster puniceus</i>	Swamp aster	P-FORB	Asteraceae
ASTSAG	8	<i>Aster sagittifolius</i>	Arrow-leaved aster	P-FORB	Asteraceae
ASTSER	10	<i>Aster sericeus</i>	Silky aster	P-FORB	Asteraceae
ASTSIR	3	<i>Aster simplex</i> var. <i>ramosissimus</i>	Panicled aster	P-FORB	Asteraceae
ASTSIS	3	<i>Aster simplex</i> var. <i>simplex</i>	Panicled aster	P-FORB	Asteraceae
ASTABO	9	<i>Astragalus aboriginum</i>	Indian milkvetch	P-FORB	Fabaceae
ASTADS	8	<i>Astragalus adsurgens</i> var. <i>robustior</i>	Standing milkvetch	P-FORB	Fabaceae
ASTAGR	6	<i>Astragalus agrestis</i>	Field milkvetch	P-FORB	Fabaceae
ASTBAR	10	<i>Astragalus barrii</i>	Barr orchaca	P-FORB	Fabaceae
ASTBIS	5	<i>Astragalus bisulcatus</i>	Two-grooved vetch	P-FORB	Fabaceae
ASTCAN	5	<i>Astragalus canadensis</i>	Canada milkvetch	P-FORB	Fabaceae
ASTCER	10	<i>Astragalus ceramicus</i> var. <i>filifolius</i>	Painted milkvetch	P-FORB	Fabaceae
ASTCRA	7	<i>Astragalus crassicaupus</i> var. <i>crassicaupus</i>	Groundplum	P-FORB	Fabaceae
ASTDRU	10	<i>Astragalus drummondii</i>	Drummond milkvetch	P-FORB	Fabaceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
ASTFLE	4	<i>Astragalus flexuosus</i>	Pliant milkvetch	P-FORB	Fabaceae
ASTGIL	7	<i>Astragalus gilviflorus</i>	Plains orophaca	P-FORB	Fabaceae
ASTGRA	8	<i>Astragalus gracilis</i>	Slender milkvetch	P-FORB	Fabaceae
ASTKEN	10	<i>Astragalus kentrophyta</i>	Nuttall's kentrophyta	P-FORB	Fabaceae
ASTLOT	6	<i>Astragalus lotiflorus</i>	Lotus milkvetch	P-FORB	Fabaceae
ASTMIS	7	<i>Astragalus missouriensis</i>	Missouri milkvetch	P-FORB	Fabaceae
ASTMOL	8	<i>Astragalus mollissimus</i>	Woolly locoweed	P-FORB	Fabaceae
ASTNEG	5	<i>Astragalus neglectus</i>	Cooper milkvetch	P-FORB	Fabaceae
ASTPEC	8	<i>Astragalus pectinatus</i>	Tineleaf milkvetch	P-FORB	Fabaceae
ASTPLA	10	<i>Astragalus plattensis</i>	Platte River milkvetch	P-FORB	Fabaceae
ASTPUR	10	<i>Astragalus purshii</i>	Pursh milkvetch	P-FORB	Fabaceae
ASTRAC	7	<i>Astragalus racemosus</i>	Alkali milkvetch	P-FORB	Fabaceae
ASTSPA	7	<i>Astragalus spatulatus</i>	Draba milkvetch	P-FORB	Fabaceae
ASTTEN	8	<i>Astragalus tenellus</i>	Pulse milkvetch	P-FORB	Fabaceae
ASTVEX	10	<i>Astragalus vexilliflexus</i>	Bentflower milkvetch	P-FORB	Fabaceae
ATHFIL	8	<i>Athyrium filix-femina</i> var. <i>angustum</i>	Ladyfern	FERN	Polypodiaceae
ATRARG	6	<i>Atriplex argentea</i>	Silver-scale saltbush	A-FORB	Chenopodiaceae
ATRCAN	6	<i>Atriplex canescens</i>	Fourwing saltbush	SHRUB	Chenopodiaceae
ATRCON	8	<i>Atriplex confertifolia</i>	Spiny saltbush	SHRUB	Chenopodiaceae
ATRDIO	4	<i>Atriplex dioica</i>	Sillscale	A-FORB	Chenopodiaceae
ATRHET	0	<i>Atriplex heterosperma</i>	Twoscale saltbush	A-FORB	Chenopodiaceae
ATRHOR	*	ATRIPLEX HORTENSIS	Orache	A-FORB	Chenopodiaceae
ATRNUT	6	<i>Atriplex nuttallii</i>	Moundscale	SHRUB	Chenopodiaceae
ATROPOW	5	<i>Atriplex powellii</i>	Powell's saltbush	A-FORB	Chenopodiaceae
ATRRS	*	ATRIPLEX ROSEA	Redscale	A-FORB	Chenopodiaceae
ATRSUB	2	<i>Atriplex subspicata</i>	Spearscale	A-FORB	Chenopodiaceae
AVEFAT	*	AVENA FATUA	Wild oats	A-GRASS	Poaceae
AXYAMA	*	AXYRIS AMARANTHOIDES	Russian pigweed	A-FORB	Chenopodiaceae
AZOMEX	10	<i>Azolla mexicana</i>	Mosquito fern	FERN	Salviniaceae
BACROT	3	<i>Bacopa rotundifolia</i>	Water hyssop	P-FORB	Scrophulariaceae
BARVUL	*	BARBAREA VULGARIS	Winter cress	B-FORB	Brassicaceae
BECSYZ	1	<i>Beckmannia syzigachne</i>	American sloughgrass	A-GRASS	Poaceae
BELCHI	*	BELAMCANDA CHINENSIS	Blackberry lily	P-FORB	Iridaceae
BELPER	*	BELLIS PERENNIS	English dairy	P-FORB	Asteraceae
BERREP	8	<i>Berberis repens</i>	Oregon grape	SHRUB	Berberidaceae
BERTEX	8	<i>Bergia texana</i>	Texas bergia	A-FORB	Elatinaceae
BERINC	*	BERTEROA INCANA	Hoary false alyssum	A-FORB	Brassicaceae
BERERE	9	<i>Berula erecta</i> var. <i>incisum</i>	Cutleaf waterparsnip	P-FORB	Apiaceae
BETGLA	10	<i>Betula glandulosa</i> var. <i>glandulifera</i>	Bog birch	SHRUB	Betulaceae
BETOCC	8	<i>Betula occidentalis</i>	Mountain birch	SHRUB	Betulaceae
BETPAP	8	<i>Betula papyrifera</i>	Paper birch	TREE	Betulaceae
BIDCER	3	<i>Bidens cernua</i>	Nodding beggartick	A-FORB	Asteraceae
BIDCOM	2	<i>Bidens comosa</i>	Swamp tickseed	A-FORB	Asteraceae
BIDCON	3	<i>Bidens connata</i>	Sticktight	A-FORB	Asteraceae
BIDCOR	3	<i>Bidens coronata</i>	Tickseed sunflower	A-FORB	Asteraceae
BIDFRO	1	<i>Bidens frondosa</i>	Devil's beggartick	A-FORB	Asteraceae
BIDVUL	1	<i>Bidens vulgata</i>	Big devil's beggartick	A-FORB	Asteraceae
BOECYL	5	<i>Boehmeria cylindrica</i>	False nettle	P-FORB	Urticaceae
BOIGLA	10	<i>Boisduvalia glabella</i>	Smooth spike-primrose	A-FORB	Onagraceae
BOLASL	3	<i>Boltonia asteroides</i> var. <i>latisquama</i>	Violet boltonia	P-FORB	Asteraceae
BOLASR	3	<i>Boltonia asteroides</i> var. <i>recognita</i>	White boltonia	P-FORB	Asteraceae
BOTCAM	8	<i>Botrychium campestre</i>	Grapefern	FERN	Ophioglossaceae
BOTMIN	10	<i>Botrychium minganense</i>	Grapefern	FERN	Ophioglossaceae
BOTMUL	10	<i>Botrychium multifidum</i>	Leathery grapefern	FERN	Ophioglossaceae
BOTSIM	10	<i>Botrychium simplex</i>	Little grapefern	FERN	Ophioglossaceae
BOTVIR	7	<i>Botrychium virginianum</i>	Rattlesnake fern	FERN	Ophioglossaceae
BOUCUR	5	<i>Bouteloua curtipendula</i>	Sideoats grama	P-GRASS	Poaceae
BOUGRA	7	<i>Bouteloua gracilis</i>	Blue grama	P-GRASS	Poaceae
BOUHIR	7	<i>Bouteloua hirsuta</i>	Hairy grama	P-GRASS	Poaceae
BRACAM	*	BRASSICA CAMPESTRIS	Wild turnip	A-FORB	Brassicaceae
BRAHIR	*	BRASSICA HIRTA	White mustard	A-FORB	Brassicaceae
BRAJUN	*	BRASSICA JUNCEA	Indian mustard	A-FORB	Brassicaceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
BRABAB	*	BRASSICA KABER	Charlock	A-FORB	Brassicaceae
BRANIG	*	BRASSICA NIGRA	Black mustard	A-FORB	Brassicaceae
BROCIL	10	<i>Bromus ciliatus</i>	Fringed brome	P-GRASS	Poaceae
BROINE	*	BROMUS INERMIS SUBSP. INERMIS	Smooth brome	P-GRASS	Poaceae
BROJAP	*	BROMUS JAPONICUS	Japanese brome	A-GRASS	Poaceae
BROKAL	8	<i>Bromus kalmii</i>	Arctic brome	P-GRASS	Poaceae
BROLAT	8	<i>Bromus latiglumis</i>	Earleaf brome	P-GRASS	Poaceae
BROPOR	8	<i>Bromus porteri</i>	Nodding brome	P-GRASS	Poaceae
BROPUB	8	<i>Bromus pubescens</i>	Canada brome	P-GRASS	Poaceae
BROSQU	*	BROMUS SQUARROSUS	Nodding brome	A-GRASS	Poaceae
BROTEC	*	BROMUS TECTORUM	Downy brome	A-GRASS	Poaceae
BROUNI	*	BROMUS UNIOLOIDES	Rescue grass	A-GRASS	Poaceae
BUCDAC	4	<i>Buchloe dactyloides</i>	Buffalo grass	P-GRASS	Poaceae
BUTUMB	*	BUTOMUS UMBELLATUS	Flowering rush	P-FORB	Butomaceae
CACPLA	10	<i>Cacalia plantaginea</i>	Indian plantain	P-FORB	Asteraceae
CALCAN	5	<i>Calamagrostis canadensis</i>	Bluejoint	P-GRASS	Poaceae
CALMON	8	<i>Calamagrostis montanensis</i>	Plains reedgrass	P-GRASS	Poaceae
CALSTR	5	<i>Calamagrostis stricta</i>	Slimstem reedgrass	P-GRASS	Poaceae
CALLON	5	<i>Calamovilfa longifolia</i>	Prairie sandreed	P-GRASS	Poaceae
CALPAL	10	<i>Calla palustris</i>	Wild calla	P-FORB	Araceae
CALINV	4	<i>Callirhoe involucrata</i>	Purple poppy mallow	P-FORB	Malvaceae
CALHER	7	<i>Callitriche hermaphrodita</i>	Northern water starwort	P-FORB	Callitrichaceae
CALHET	10	<i>Callitriche heterophylla</i>	Large water starwort	P-FORB	Callitrichaceae
CALVER	7	<i>Callitriche verna</i>	Vernal water starwort	P-FORB	Callitrichaceae
CALGUN	8	<i>Calochortus gunnisonii</i>	Gunnison's mariposa lily	P-FORB	Liliaceae
CALNUT	8	<i>Calochortus nuttallii</i>	Sego lily	P-FORB	Liliaceae
CALTPA	9	<i>Caltha palustris</i>	Marsh marigold	P-FORB	Ranunculaceae
CALSER	7	<i>Calyophus serrulatus</i>	Plains yellow primrose	P-FORB	Onagraceae
CALMAC	2	<i>Calystegia macounii</i>	Macoun's false bindweed	P-FORB	Convolvulaceae
CALSEP	0	<i>Calystegia sepium</i> var. <i>angulata</i>	Hedge bindweed	P-FORB	Convolvulaceae
CAMMIC	*	CAMELINA MICROCARPA	Small-seeded false flax	A-FORB	Brassicaceae
CAMSAT	*	CAMELINA SATIVA	Gold-of-pleasure	A-FORB	Brassicaceae
CAMAME	8	<i>Campanula americana</i>	American bellflower	A-FORB	Campanulaceae
CAMAPA	10	<i>Campanula aparinoides</i>	Marsh bellflower	P-FORB	Campanulaceae
CAMRAP	*	CAMPANULA RAPUNCULOIDES	Creeping bellflower	P-FORB	Campanulaceae
CAMROT	7	<i>Campanula rotundifolia</i>	Harebell	P-FORB	Campanulaceae
CAMRAD	*	CAMPSIS RADICANS	Trumpet vine	W-VINE	Bignoniaceae
CANSAT	*	CANNABIS SATIVA	Hemp	A-FORB	Cannabaceae
CAPBUR	*	CAPSELLA BURSA-PASTORIS	Shepherd's purse	A-FORB	Brassicaceae
CARARB	*	CARAGANA ARBORESCENS	Siberian pea-shrub	SHRUB	Fabaceae
CARBUL	8	<i>Cardamine bulbosa</i>	Spring cress	P-FORB	Brassicaceae
CARCON	8	<i>Cardamine concatenata</i>	Toothcup	P-FORB	Brassicaceae
CARPEN	6	<i>Cardamine pensylvanica</i>	Bitter cress	A-FORB	Brassicaceae
CARCHA	*	CARDARIA CHALEPENSIS	Lens-padded hoary cress	P-FORB	Brassicaceae
CARDRA	*	CARDARIA DRABA	Hoary cress	P-FORB	Brassicaceae
CARPUB	*	CARDARIA PUBESCENS	Whitetop	P-FORB	Brassicaceae
CARACA	*	CARDUUS ACANTHOIDES	Plumeless thistle	A-FORB	Asteraceae
CARNUT	*	CARDUUS NUTANS	Nodding thistle	A-FORB	Asteraceae
CXAENA	10	<i>Carex aenea</i>	Dryspike sedge	P-SEDGE	Cyperaceae
CXAGGR	10	<i>Carex aggregata</i>	Glomerate sedge	P-SEDGE	Cyperaceae
CXALOP	7	<i>Carex alopecoidea</i>	Foxtail sedge	P-SEDGE	Cyperaceae
CXAMPH	4	<i>Carex amphibola</i> var. <i>turgida</i>	Gray sedge	P-SEDGE	Cyperaceae
CXAQUA	10	<i>Carex aquatilis</i> var. <i>altior</i>	Water sedge	P-SEDGE	Cyperaceae
CXASSI	8	<i>Carex assiniboinensis</i>	Assiniboia sedge	P-SEDGE	Cyperaceae
CXATHE	4	<i>Carex atherodes</i>	Slough sedge	P-SEDGE	Cyperaceae
CXATHR	7	<i>Carex athrostachya</i>	Slenderbeak sedge	P-SEDGE	Cyperaceae
CXAURE	8	<i>Carex aurea</i>	Golden sedge	P-SEDGE	Cyperaceae
CXBACK	10	<i>Carex backii</i>	Back's sedge	P-SEDGE	Cyperaceae
CXBEBB	8	<i>Carex bebbii</i>	Bebb's sedge	P-SEDGE	Cyperaceae
CXBICK	8	<i>Carex bicknellii</i>	Bicknell's sedge	P-SEDGE	Cyperaceae
CXBLAN	5	<i>Carex blanda</i>	Woodland sedge	P-SEDGE	Cyperaceae
CXBREV	4	<i>Carex brevior</i>	Fescue sedge	P-SEDGE	Cyperaceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
CXBRUN	10	<i>Carex brunnescens</i>	Brownish sedge	P-SEDGE	Cyperaceae
CXBUXB	10	<i>Carex buxbaumii</i>	Brown bog sedge	P-SEDGE	Cyperaceae
CXCAPI	10	<i>Carex capillaris</i> var. <i>elongata</i>	Hairlike sedge	P-SEDGE	Cyperaceae
CXCHOR	10	<i>Carex chordorrhiza</i>	Creeping sedge	P-SEDGE	Cyperaceae
CXCOMO	10	<i>Carex comosa</i>	Bristly sedge	P-SEDGE	Cyperaceae
CXCONC	10	<i>Carex concinna</i>	Low northern sedge	P-SEDGE	Cyperaceae
CXCONV	8	<i>Carex convoluta</i>	Stellate sedge	P-SEDGE	Cyperaceae
CXCRAW	9	<i>Carex crawei</i>	Crawe's sedge	P-SEDGE	Cyperaceae
CXCRIS	7	<i>Carex cristatella</i>	Crested sedge	P-SEDGE	Cyperaceae
CXDAVI	10	<i>Carex davisii</i>	Davis's sedge	P-SEDGE	Cyperaceae
CXDEWE	10	<i>Carex deweyana</i>	Dewey sedge	P-SEDGE	Cyperaceae
CXDIAN	10	<i>Carex diandra</i>	Lesser panicled sedge	P-SEDGE	Cyperaceae
CXDISP	9	<i>Carex disperma</i>	Softleaf sedge	P-SEDGE	Cyperaceae
CXDOUN	5	<i>Carex douglasii</i>	Douglas's sedge	P-SEDGE	Cyperaceae
CXEUBR	10	<i>Carex eburnea</i>	Bristleleaf sedge	P-SEDGE	Cyperaceae
CXELEO	4	<i>Carex eleocharis</i>	Needleleaf sedge	P-SEDGE	Cyperaceae
CXEMOR	4	<i>Carex emoryi</i>	Emory's sedge	P-SEDGE	Cyperaceae
CXFILI	7	<i>Carex filifolia</i>	Threadleaf sedge	P-SEDGE	Cyperaceae
CXFORM	10	<i>Carex formosa</i>	Handsome sedge	P-SEDGE	Cyperaceae
CXGARB	10	<i>Carex garberi</i>	Elk sedge	P-SEDGE	Cyperaceae
CXGRAC	10	<i>Carex gracillima</i>	Graceful sedge	P-SEDGE	Cyperaceae
CXGRAN	6	<i>Carex granularis</i> var. <i>granularis</i>	Meadow sedge	P-SEDGE	Cyperaceae
CXGRAH	6	<i>Carex granularis</i> var. <i>haleana</i>	Meadow sedge	P-SEDGE	Cyperaceae
CXGRAG	5	<i>Carex gravida</i> var. <i>gravida</i>	Heavy sedge	P-SEDGE	Cyperaceae
CXGRAL	5	<i>Carex gravida</i> var. <i>lunelliana</i>	Heavy sedge	P-SEDGE	Cyperaceae
CXHALL	10	<i>Carex hallii</i>	Deer sedge	P-SEDGE	Cyperaceae
CXHAYD	10	<i>Carex haydenii</i>	Cloud sedge	P-SEDGE	Cyperaceae
CXHELI	7	<i>Carex heliophila</i>	Sun sedge	P-SEDGE	Cyperaceae
CXHOOK	10	<i>Carex hookeriana</i>	Hooker's sedge	P-SEDGE	Cyperaceae
CXHYSY	7	<i>Carex hystericina</i>	Bottlebrush sedge	P-SEDGE	Cyperaceae
CXINTE	10	<i>Carex interior</i>	Interior sedge	P-SEDGE	Cyperaceae
CXLACU	6	<i>Carex lacustris</i>	Hairy sedge	P-SEDGE	Cyperaceae
CXLAEV	6	<i>Carex laeviconica</i>	Smoothcone sedge	P-SEDGE	Cyperaceae
CXLANU	4	<i>Carex lanuginosa</i>	Woolly sedge	P-SEDGE	Cyperaceae
CXLEPT	10	<i>Carex leptalea</i>	Bristle-stalked sedge	P-SEDGE	Cyperaceae
CXLIMO	10	<i>Carex limosa</i>	Mud sedge	P-SEDGE	Cyperaceae
CXMEAD	7	<i>Carex meadii</i>	Mead's sedge	P-SEDGE	Cyperaceae
CXMOL	3	<i>Carex molesta</i>	Troublesome sedge	P-SEDGE	Cyperaceae
CXNEBR	6	<i>Carex nebrascensis</i>	Nebraska sedge	P-SEDGE	Cyperaceae
CXNORM	7	<i>Carex normalis</i>	Larger straw sedge	P-SEDGE	Cyperaceae
CXOBTU	8	<i>Carex obtusata</i>	Obtuse sedge	P-SEDGE	Cyperaceae
CXPECK	10	<i>Carex peckii</i>	Peck's sedge	P-SEDGE	Cyperaceae
CXPEND	10	<i>Carex pendunculata</i>	Longstalk sedge	P-SEDGE	Cyperaceae
CXPENS	8	<i>Carex pennsylvanica</i>	Pennsylvania sedge	P-SEDGE	Cyperaceae
CXPRAE	5	<i>Carex praegracilis</i>	Clustered-field sedge	P-SEDGE	Cyperaceae
CXPRAI	10	<i>Carex prairea</i>	Prairie sedge	P-SEDGE	Cyperaceae
CXPSEU	10	<i>Carex pseudocyperus</i>	Cypresslike sedge	P-SEDGE	Cyperaceae
CXRETR	6	<i>Carex retrorsa</i>	Knotsheath sedge	P-SEDGE	Cyperaceae
CXRICH	9	<i>Carex richardsonii</i>	Richardson's sedge	P-SEDGE	Cyperaceae
CXROSE	8	<i>Carex rosea</i>	Stellate sedge	P-SEDGE	Cyperaceae
CXROSS	10	<i>Carex rossii</i>	Ross' sedge	P-SEDGE	Cyperaceae
CXROST	8	<i>Carex rostrata</i>	Beaked sedge	P-SEDGE	Cyperaceae
CXSART	5	<i>Carex sartwellii</i>	Sartwell's sedge	P-SEDGE	Cyperaceae
CXSAXI	10	<i>Carex saximontana</i>	Rocky Mountain sedge	P-SEDGE	Cyperaceae
CXSCIR	10	<i>Carex scirpiformis</i>	Northern single spike sedge	P-SEDGE	Cyperaceae
CXSCOP	8	<i>Carex scoparia</i>	Broom sedge	P-SEDGE	Cyperaceae
CXSIMU	10	<i>Carex simulata</i>	Analogue sedge	P-SEDGE	Cyperaceae
CXSPAR	10	<i>Carex sparganioides</i>	Burreed sedge	P-SEDGE	Cyperaceae
CXSPRE	7	<i>Carex sprengelii</i>	Longbeak sedge	P-SEDGE	Cyperaceae
CXSTER	10	<i>Carex sterilis</i>	Dioecious sedge	P-SEDGE	Cyperaceae
CXSTIP	7	<i>Carex stipata</i>	Sawbeak sedge	P-SEDGE	Cyperaceae
CXSTRI	10	<i>Carex stricta</i>	Tussock sedge	P-SEDGE	Cyperaceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
CXSYCH	7	<i>Carex sychnocephala</i>	Manyhead sedge	P-SEDGE	Cyperaceae
CXTENE	7	<i>Carex tenera</i>	Slender sedge	P-SEDGE	Cyperaceae
CXTETA	9	<i>Carex tetanica</i>	Rigid sedge	P-SEDGE	Cyperaceae
CXTORR	10	<i>Carex torreyi</i>	Torrey's sedge	P-SEDGE	Cyperaceae
CXTRIB	8	<i>Carex tribuloides</i>	Blunt broom sedge	P-SEDGE	Cyperaceae
CXVALL	10	<i>Carex vallicola</i>	Valley sedge	P-SEDGE	Cyperaceae
CXVESI	10	<i>Carex vesicaria</i> var. <i>monile</i>	Inflated sedge	P-SEDGE	Cyperaceae
CXVIRI	10	<i>Carex viridula</i>	Little green sedge	P-SEDGE	Cyperaceae
CXVULP	2	<i>Carex vulpinoidea</i>	Fox sedge	P-SEDGE	Cyperaceae
CXXERA	10	<i>Carex xerantica</i>	Whitescale sedge	P-SEDGE	Cyperaceae
CARCAR	*	CARUM CARVI	Caraway	B-FORB	Apiaceae
CASCHA	2	<i>Cassia chamaecrista</i>	Showy partridge pea	A-FORB	Caesalpinaceae
CASMIN	10	<i>Castilleja miniata</i>	Giant red indian paintbrush	P-FORB	Scrophulariaceae
CASSES	8	<i>Castilleja sessiliflora</i>	Downy paintbrush	P-FORB	Scrophulariaceae
CATAQU	9	<i>Catabrosa aquatica</i>	Brookgrass	P-GRASS	Poaceae
CATSPE	*	CATALPA SPECIOSA	Northern catalpa	TREE	Bignoniaceae
CAUTHA	10	<i>Caulophyllum thalictroides</i>	Blue cohosh	P-FORB	Berberidaceae
CEAHER	10	<i>Ceanothus herbaceus</i> var. <i>pubescens</i>	New Jersey tea	SHRUB	Rhamnaceae
CELSCA	5	<i>Celastrus scandens</i>	American bittersweet	W-VINE	Celastraceae
CELOCC	5	<i>Celtis occidentalis</i>	Hackberry	TREE	Ulmaceae
CENLON	0	<i>Cenchrus longispinus</i>	Field sandbur	A-GRASS	Poaceae
CENCYA	*	CENTAUREA CYANUS	Bachelor's button	A-FORB	Asteraceae
CENMAC	*	CENTAUREA MACULOSA	Spotted knapweed	B-FORB	Asteraceae
CENREP	*	CENTAUREA REPENS	Russian knapweed	P-FORB	Asteraceae
CENSCA	*	CENTAUREA SCABIOSA	Greater centaurea	P-FORB	Asteraceae
CENSOL	*	CENTAUREA SOLSTITIALIS	Yellow star thistle	B-FORB	Asteraceae
CENEXA	*	CENTAURIUM EXALTATUM	Desert centauray	A-FORB	Gentianaceae
CENMIN	6	<i>Centunculus minimus</i>	Chaffweed	A-FORB	Primulaceae
CERARV	2	<i>Cerastium arvense</i>	Prairie chickweed	P-FORB	Caryophyllaceae
CERBRA	1	<i>Cerastium brachypodum</i>	Nodding chickweed	A-FORB	Caryophyllaceae
CERNUT	1	<i>Cerastium nutans</i>	Nodding chickweed	A-FORB	Caryophyllaceae
CERVUL	*	CERASTIUM VULGATUM	Common mouseear chickweed	P-FORB	Caryophyllaceae
CERLAN	8	<i>Ceratoides lanata</i>	Winter fat	SHRUB	Chenopodiaceae
CERDEM	4	<i>Ceratophyllum demersum</i>	Coontail	P-FORB	Ceratophyllaceae
CHADOU	9	<i>Chaenactis douglassii</i> var. <i>achillaeifolia</i>	Douglas' dustymaiden	P-FORB	Asteraceae
CHAMIN	*	CHAENORRHINUM MINUS	Dwarf snapdragon	A-FORB	Scrophulariaceae
CHAERE	6	<i>Chamaerhodos erecta</i>	Little ground rose	P-FORB	Rosaceae
CHEFEE	10	<i>Cheilanthes feei</i>	Slender lip fern	FERN	Polypodiaceae
CHEALB	*	CHENOPODIUM ALBUM	Lamb's quarters	A-FORB	Chenopodiaceae
CHEBER	0	<i>Chenopodium berlandieri</i>	Pitseed goosefoot	A-FORB	Chenopodiaceae
CHEBOT	*	CHENOPODIUM BOTRYS	Jerusalem oak	A-FORB	Chenopodiaceae
CHEBUS	0	<i>Chenopodium bushianum</i>	Goosefoot	A-FORB	Chenopodiaceae
CHECAP	*	CHENOPODIUM CAPITATUM	Strawberry blite	A-FORB	Chenopodiaceae
CHEDES	5	<i>Chenopodium desiccatum</i>	Sandhill goosefoot	A-FORB	Chenopodiaceae
CHEFRE	3	<i>Chenopodium fremontii</i>	Fremont goosefoot	A-FORB	Chenopodiaceae
CHEGIG	5	<i>Chenopodium gigantospermum</i>	Mapleleaf goosefoot	A-FORB	Chenopodiaceae
CHEGLA	*	CHENOPODIUM GLAUCUM	Oakleaf goosefoot	A-FORB	Chenopodiaceae
CHEINC	2	<i>Chenopodium incanum</i>	Hoary goosefoot	A-FORB	Chenopodiaceae
CHERUB	2	<i>Chenopodium rubrum</i>	Alkali blite	A-FORB	Chenopodiaceae
CHESTA	4	<i>Chenopodium standleyanum</i>	Woodland goosefoot	A-FORB	Chenopodiaceae
CHESTR	3	<i>Chenopodium strictum</i>	Lateflowering goosefoot	A-FORB	Chenopodiaceae
CHESUB	8	<i>Chenopodium subglabrum</i>	Smooth goosefoot	A-FORB	Chenopodiaceae
CHIUMB	10	<i>Chimaphila umbellata</i>	Prince's pine	P-FORB	Pyrolaceae
CHLVER	2	<i>Chloris verticillata</i>	Windmill grass	P-GRASS	Poaceae
CHLVIR	*	CHLORIS VIRGATA	Showy chloris	A-GRASS	Poaceae
CHOTEN	*	CHORISPORA TENELLA	Blue mustard	A-FORB	Brassicaceae
CHRLEU	*	CHRYSANTHEMUM LEUCANTHEMUM	Ox-eye daisy	P-FORB	Asteraceae
CHRPAR	*	CHRYSANTHEMUM PARTHENIUM	Feverfew	P-FORB	Asteraceae
CHRSTE	8	<i>Chrysopsis stenophylla</i>	Stiffleaf false goldenaster	P-FORB	Asteraceae
CHRVIA	3	<i>Chrysopsis villosa</i> var. <i>angustifolia</i>	Stiffleaf false goldenaster	P-FORB	Asteraceae
CHRVIH	3	<i>Chrysopsis villosa</i> var. <i>hispida</i>	Hairy false goldenaster	P-FORB	Asteraceae
CHRVIV	3	<i>Chrysopsis villosa</i> var. <i>villosa</i>	Hairy false goldenaster	P-FORB	Asteraceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
CHRNAG	4	<i>Chrysothamnus nauseosus</i> subsp. <i>graveolens</i>	Rubber rabbitbrush	SHRUB	Asteraceae
CHRNAN	4	<i>Chrysothamnus nauseosus</i> subsp. <i>nauseosus</i>	Rubber rabbitbrush	SHRUB	Asteraceae
CHRPAR	5	<i>Chrysothamnus parryi</i> subsp. <i>howardii</i>	Parry's rabbitbrush	SHRUB	Asteraceae
CICINT	*	CICHORIUM INTYBUS	Common chicory	P-FORB	Asteraceae
CICBUL	9	<i>Cicuta bulbifera</i>	Bulbous water hemlock	B-FORB	Apiaceae
CICMAC	4	<i>Cicuta maculata</i>	Common water hemlock	P-FORB	Apiaceae
CINARU	8	<i>Cinna arundinacea</i>	Woodreed	P-GRASS	Poaceae
CINLAT	8	<i>Cinna latifolia</i>	Drooping woodreed	P-GRASS	Poaceae
CIRALP	10	<i>Circaea alpina</i>	Small enchanter's nightshade	P-FORB	Onagraceae
CIRLUT	4	<i>Circaea lutetiana</i> subsp. <i>canadensis</i>	Enchanter's nightshade	P-FORB	Onagraceae
CIRALT	3	<i>Cirsium altissimum</i>	Tall thistle	B-FORB	Asteraceae
CIRARV	*	CIRSIIUM ARVENSE	Canada thistle	P-FORB	Asteraceae
CIRCAN	8	<i>Cirsium canescens</i>	Platte thistle	P-FORB	Asteraceae
CIRFLO	5	<i>Cirsium flodmanii</i>	Flodman's thistle	P-FORB	Asteraceae
CIRMUT	10	<i>Cirsium muticum</i>	Swamp thistle	B-FORB	Asteraceae
CIRUND	7	<i>Cirsium undulatum</i>	Wavyleaf thistle	P-FORB	Asteraceae
CIRVUL	*	CIRSIIUM VULGARE	Bull thistle	B-FORB	Asteraceae
CLELIG	7	<i>Clematis ligusticifolia</i>	Western clematis	W-VINE	Ranunculaceae
CLEVIR	4	<i>Clematis virginiana</i>	Virgin's bower	W-VINE	Ranunculaceae
CLESER	2	<i>Cleome serrulata</i>	Rocky Mountain bee plant	A-FORB	Capparaceae
COLPAR	10	<i>Collinsia parviflora</i>	Blue lips	A-FORB	Scrophulariaceae
COLLIN	5	<i>Collomia linearis</i>	Collomia	A-FORB	Polemoniaceae
COMUMB	8	<i>Comandra umbellata</i>	Bastard toadflax	P-FORB	Santalaceae
COMCOM	*	COMMELINA COMMUNIS	Dayflower	A-FORB	Commelinaceae
COMERE	10	<i>Commelina erecta</i>	Erect dayflower	P-FORB	Commelinaceae
CONMAC	*	CONIUM MACULATUM	Poison hemlock	B-FORB	Apiaceae
CONORI	*	CONRINGIA ORIENTALIS	Hare's-ear mustard	A-FORB	Brassicaceae
CONARV	*	CONVOLVULUS ARVENSIS	Field bindweed	P-FORB	Convolvulaceae
CONCAN	0	<i>Conyza canadensis</i>	Horseweed	A-FORB	Asteraceae
CONRAM	0	<i>Conyza ramosissima</i>	Spreading fleabane	A-FORB	Asteraceae
CORMAC	8	<i>Corallorhiza maculata</i>	Spotted coralroot	P-FORB	Orchidaceae
CORSTR	9	<i>Corallorhiza striata</i>	Striped coralroot	P-FORB	Orchidaceae
CORTRI	10	<i>Corallorhiza trifida</i>	Pale coralroot	P-FORB	Orchidaceae
CORPAL	8	<i>Coreopsis palmata</i>	Finger coreopsis	P-FORB	Asteraceae
CORTIN	3	<i>Coreopsis tinctoria</i>	Plains coreopsis	A-FORB	Asteraceae
CORHYS	*	CORISPERMUM HYSSOPIFOLIUM	Hyssopleaf tickseed	A-FORB	Chenopodiaceae
CORNIT	*	CORISPERMUM NITIDUM	Bugseed	A-FORB	Chenopodiaceae
CORCAN	10	<i>Cornus canadensis</i>	Bunchberry	SHRUB	Cornaceae
CORDRU	5	<i>Cornus drummondii</i>	Roughleaf dogwood	SHRUB	Cornaceae
CORFOE	6	<i>Cornus foemina</i>	Gray dogwood	SHRUB	Cornaceae
CORSTO	5	<i>Cornus stolonifera</i>	Red osier	SHRUB	Cornaceae
CORVAR	*	CORONILLA VARIA	Crown vetch	P-FORB	Fabaceae
CORAUA	4	<i>Corydalis aurea</i> subsp. <i>aurea</i>	Golden corydalis	A-FORB	Fumariaceae
CORAUO	4	<i>Corydalis aurea</i> subsp. <i>occidentalis</i>	Golden corydalis	A-FORB	Fumariaceae
CORMIC	2	<i>Corydalis micrantha</i> subsp. <i>micrantha</i>	Slender fumewort	A-FORB	Fumariaceae
CORAME	9	<i>Corylus americana</i>	Hazelnut	SHRUB	Betulaceae
CORCOR	8	<i>Corylus cornuta</i>	Beaked hazelnut	SHRUB	Betulaceae
CORMIS	10	<i>Coryphantha missouriensis</i>	Missouri foxtail cactus	P-FORB	Cactaceae
CORVIV	10	<i>Coryphantha vivipara</i>	Pincushion cactus	P-FORB	Cactaceae
CRAMOL	3	<i>Crataegus mollis</i>	Downy hawthorn	TREE	Rosaceae
CRAROT	6	<i>Crataegus rotundifolia</i>	Northern hawthorn	SHRUB	Rosaceae
CRASUC	5	<i>Crataegus succulenta</i> var. <i>occidentalis</i>	Succulent hawthorn	TREE	Rosaceae
CRECAP	*	CREPIS CAPILLARIS	Smooth hawksbeard	A-FORB	Asteraceae
CREOCC	8	<i>Crepis occidentalis</i>	Largeflower hawksbeard	P-FORB	Asteraceae
CRERUN	8	<i>Crepis runcinata</i>	Hawksbeard	P-FORB	Asteraceae
CRETEC	*	CREPIS TECTORUM	Narrowleaf hawksbeard	A-FORB	Asteraceae
CROSAG	4	<i>Crotalaria sagittalis</i>	Rattlebox	A-FORB	Fabaceae
CROTEX	4	<i>Croton texensis</i>	Texas croton	A-FORB	Euphorbiaceae
CRYCAN	8	<i>Cryptantha cana</i>	Mountain cryptantha	P-FORB	Boraginaceae
CRYCEL	8	<i>Cryptantha celosioides</i>	Butt candle	B-FORB	Boraginaceae
CRYFEN	4	<i>Cryptantha fendleri</i>	Sanddune cryptantha	A-FORB	Boraginaceae
CRYJAM	6	<i>Cryptantha jamesii</i>	James' cryptantha	P-FORB	Boraginaceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
CRYTOR	6	<i>Cryptantha torreyana</i>	Torrey's cryptantha	A-FORB	Boraginaceae
CRYCAN	7	<i>Cryptotaenia canadensis</i>	Honewort	P-FORB	Apiaceae
CUSCEP	6	<i>Cuscuta cephalanthi</i>	Buttonbush dodder	A-FORB	Cuscutaceae
CUSCOR	10	<i>Cuscuta coryli</i>	Hazel dodder	A-FORB	Cuscutaceae
CUSCUR	5	<i>Cuscuta curta</i>	Bigfruit dodder	A-FORB	Cuscutaceae
CUSCUS	5	<i>Cuscuta cuspidata</i>	Cusp dodder	A-FORB	Cuscutaceae
CUSEPI	*	CUSCUTA EPITHYMIUM	Clover dodder	A-FORB	Cuscutaceae
CUSGLO	7	<i>Cuscuta glomerata</i>	Cluster dodder	A-FORB	Cuscutaceae
CUSGRO	4	<i>Cuscuta gronovii</i>	Gronovius' dodder	A-FORB	Cuscutaceae
CUSIND	0	<i>Cuscuta indecora</i>	Large alfalfa dodder	A-FORB	Cuscutaceae
CUSPEN	5	<i>Cuscuta pentagona</i>	Field dodder	A-FORB	Cuscutaceae
CUSPOL	8	<i>Cuscuta polygonorum</i>	Smartweed dodder	A-FORB	Cuscutaceae
CUSSUA	*	CUSCUTA SUAVEOLENS	Fringed dodder	A-FORB	Cuscutaceae
CYCATR	1	<i>Cycloloma atriplicifolium</i>	Winged pigweed	A-FORB	Chenopodiaceae
CYMMUR	*	CYMBALARIA MURALIS	Kenilworth ivy	A-FORB	Scrophulariaceae
CYMACA	8	<i>Cymopterus acaulis</i>	Wild parsley	P-FORB	Apiaceae
CYMMON	8	<i>Cymopterus montanus</i>	Mountain springparsley	P-FORB	Apiaceae
CYNBOR	3	<i>Cynoglossum boreale</i>	Northern wild comfrey	P-FORB	Boraginaceae
CYNOFF	*	CYNOGLOSSUM OFFICINALE	Hound's tongue	B-FORB	Boraginaceae
CYPACU	2	<i>Cyperus acuminatus</i>	Tapelaff flatsedge	A-SEDGE	Cyperaceae
CYPARI	2	<i>Cyperus aristatus</i>	Awned cypress	A-SEDGE	Cyperaceae
CYPDIA	4	<i>Cyperus diandrus</i>	Low flatsedge	A-SEDGE	Cyperaceae
CYPENG	4	<i>Cyperus engelmannii</i>	Fragrant flatsedge	A-SEDGE	Cyperaceae
CYPERY	2	<i>Cyperus erythrorhizos</i>	Redrooted cyperus	A-SEDGE	Cyperaceae
CYPESC	0	<i>Cyperus esculentus</i>	Yellow nutsedge	P-SEDGE	Cyperaceae
CYPLUP	10	<i>Cyperus lupulinus</i>	Houghton flatsedge	P-SEDGE	Cyperaceae
CYPODO	2	<i>Cyperus odoratus</i>	Fragrant flatsedge	A-SEDGE	Cyperaceae
CYPRIV	3	<i>Cyperus rivularis</i>	Brook flatsedge	A-SEDGE	Cyperaceae
CYPSCH	5	<i>Cyperus schweinitzii</i>	Schweinitz flatsedge	P-SEDGE	Cyperaceae
CYPSTR	3	<i>Cyperus strigosus</i>	False nutgrass	P-SEDGE	Cyperaceae
CYPCPA	10	<i>Cypripedium calceolus</i> var. <i>parviflorum</i>	Yellow lady's-slipper	P-FORB	Orchidaceae
CYPCPL	10	<i>Cypripedium calceolus</i> var. <i>planipetalum</i>	Yellow lady's-slipper	P-FORB	Orchidaceae
CYPCPU	10	<i>Cypripedium calceolus</i> var. <i>pubescens</i>	Yellow lady's-slipper	P-FORB	Orchidaceae
CYPCAN	10	<i>Cypripedium candidum</i>	Small white lady's-slipper	P-FORB	Orchidaceae
CYPREG	10	<i>Cypripedium reginae</i>	Showy lady's-slipper	P-FORB	Orchidaceae
CYSBUL	10	<i>Cystopteris bulbifera</i>	Bulbet bladder fern	FERN	Polypodiaceae
CYSFRA	8	<i>Cystopteris fragilis</i>	Fragile fern	FERN	Polypodiaceae
DACGLO	*	DACTYLIS GLOMERATA	Orchard grass	P-GRASS	Poaceae
DALAU	8	<i>Dalea aurea</i>	Golden prairieclover	P-FORB	Fabaceae
DALCAC	8	<i>Dalea candida</i> var. <i>candida</i>	White prairieclover	P-FORB	Fabaceae
DALCAO	8	<i>Dalea candida</i> var. <i>oligophylla</i>	White prairieclover	P-FORB	Fabaceae
DALCYL	10	<i>Dalea cylindriceps</i>	Massive spike prairieclover	P-FORB	Fabaceae
DALENN	7	<i>Dalea enneandra</i>	Nineanther prairieclover	P-FORB	Fabaceae
DALLEP	2	<i>Dalea leporina</i>	Foxtail dalea	A-FORB	Fabaceae
DALPUR	8	<i>Dalea purpurea</i> var. <i>purpurea</i>	Purple prairie clover	P-FORB	Fabaceae
DALVIL	8	<i>Dalea villosa</i>	Silky prairie clover	P-FORB	Fabaceae
DANSPI	6	<i>Danthonia spicata</i>	Poverty oatgrass	P-GRASS	Poaceae
DATSTR	*	DATURA STRAMONIUM	Jimson weed	A-FORB	Solanaceae
DAUCAR	*	DAUCUS CAROTA	Wild carrot	B-FORB	Apiaceae
DELAJA	*	DELPHINIUM AJACIS	Rocket larkspur	P-FORB	Ranunculaceae
DELBIC	7	<i>Delphinium bicolor</i>	Little larkspur	P-FORB	Ranunculaceae
DELVIR	8	<i>Delphinium virescens</i>	Prairie larkspur	P-FORB	Ranunculaceae
DESCES	9	<i>Deschampsia cespitosa</i>	Tufted hairgrass	P-GRASS	Poaceae
DESPIN	1	<i>Descurainia pinnata</i> var. <i>brachycarpa</i>	Tansy mustard	A-FORB	Brassicaceae
DESRIC	3	<i>Descurainia richardsonii</i>	Mountain tansymustard	B-FORB	Brassicaceae
DESSOP	*	DESCURAINIA SOPHIA	Flixweed	A-FORB	Brassicaceae
DESILL	5	<i>Desmanthus illinoensis</i>	False sensitive plant	P-FORB	Mimosaceae
DESCAN	6	<i>Desmodium canadense</i>	Canada tickclover	P-FORB	Fabaceae
DESGLU	4	<i>Desmodium glutinosum</i>	Largeflower tickclover	P-FORB	Fabaceae
DIAARM	*	DIANTHUS ARMERIA	Deptford pink	A-FORB	Caryophyllaceae
DIAAME	10	<i>Diarrhena americana</i> var. <i>obovata</i>	American beakgrain	P-GRASS	Poaceae
DICCUC	10	<i>Dicentra cucullaria</i>	Dutchman's breeches	P-FORB	Fumariaceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
DICACA	3	<i>Dichanthelium acuminatum</i> var. <i>acuminatum</i>	Tapered rosette	P-GRASS	Poaceae
DICACI	3	<i>Dichanthelium acuminatum</i> var. <i>implicatum</i>	Western panicgrass	P-GRASS	Poaceae
DICACV	8	<i>Dichanthelium acuminatum</i> var. <i>villosum</i>	Whitehair rosette grass	P-GRASS	Poaceae
DICLEI	8	<i>Dichanthelium leibergii</i>	Leiberg's dichanthelium	P-GRASS	Poaceae
DICLIN	8	<i>Dichanthelium linearifolium</i>	Slimleaf panicgrass	P-GRASS	Poaceae
DICOLI	6	<i>Dichanthelium oligosanthos</i> var. <i>scribnerianum</i>	Scribner rosette grass	P-GRASS	Poaceae
DICWIL	8	<i>Dichanthelium wilcoxianum</i>	Fall rosette grass	P-GRASS	Poaceae
DIELON	10	<i>Diervilla lonicera</i>	Bush honeysuckle	SHRUB	Caprifoliaceae
DIGISC	*	<i>DIGITARIA ISCHAEMUM</i>	Smooth crabgrass	A-GRASS	Poaceae
DIGSAN	*	<i>DIGITARIA SANGUINALIS</i>	Hairy crabgrass	A-GRASS	Poaceae
DIPMUR	*	<i>DILOTAXIS MURALIS</i>	Sand rocket	P-FORB	Brassicaceae
DISTRA	10	<i>Disporum trachycarpum</i>	Fairybells	P-FORB	Liliaceae
DISSPI	2	<i>Distichlis spicata</i> var. <i>stricta</i>	Inland saltgrass	P-GRASS	Poaceae
DODPUL	7	<i>Dodecatheon pulchellum</i>	Shooting star	P-FORB	Primulaceae
DRANEM	1	<i>Draba nemorosa</i>	Yellow whitlowort	A-FORB	Brassicaceae
DRAREP	1	<i>Draba reptans</i>	White whitlowort	A-FORB	Brassicaceae
DRAPAR	2	<i>Dracocephalum parviflorum</i>	American dragonhead	A-FORB	Lamiaceae
DRATHY	*	<i>DRACOCEPHALUM THYMIFLORUM</i>	Thymeleaf dragonhead	A-FORB	Lamiaceae
DROROT	10	<i>Drosera rotundifolia</i>	Roundleaf sundew	P-FORB	Droseraceae
DRYCRI	10	<i>Dryopteris cristata</i>	Crested shield fern	FERN	Polypodiaceae
DRYFIL	10	<i>Dryopteris filix-mas</i>	Male fern	FERN	Polypodiaceae
DRYSPI	10	<i>Dryopteris spinulosa</i>	Spinulose wood fern	FERN	Polypodiaceae
DULARU	10	<i>Dulichium arundinaceum</i>	Pond sedge	P-SEDGE	Cyperaceae
DYSPAP	0	<i>Dyssodia papposa</i>	Fetid marigold	A-FORB	Asteraceae
ECHANG	7	<i>Echinacea angustifolia</i>	Purple coneflower	P-FORB	Asteraceae
ECHCRU	*	<i>ECHINOCHLOA CRUSGALLI</i>	Barnyard grass	A-GRASS	Poaceae
ECHMUR	0	<i>Echinochloa muricata</i> var. <i>microstachya</i>	Cocksbur grass	A-GRASS	Poaceae
ECHLOB	3	<i>Echinocystis lobata</i>	Wild cucumber	H-VINE	Cucurbitaceae
ECHROS	3	<i>Echinodorus rostratus</i>	Burhead	A-FORB	Alismataceae
ECHVUL	*	<i>ECHIUUM VULGARE</i>	Blueweed	B-FORB	Boraginaceae
ELAANG	*	<i>ELAEAGNUS ANGUSTIFOLIA</i>	Russian olive	SHRUB	Elaeagnaceae
ELACOM	5	<i>Elaeagnus commutata</i>	Silverberry	SHRUB	Elaeagnaceae
ELATRI	0	<i>Elatine triandra</i>	Waterwort	A-FORB	Elatinaceae
ELEACI	3	<i>Eleocharis acicularis</i>	Needle spikerush	P-SEDGE	Cyperaceae
ELECOM	8	<i>Eleocharis compressa</i>	Flatstem spikerush	P-SEDGE	Cyperaceae
ELEERY	2	<i>Eleocharis erythropoda</i>	Bald spikerush	P-SEDGE	Cyperaceae
ELEMAC	4	<i>Eleocharis macrostachya</i>	Common spikerush	P-SEDGE	Cyperaceae
ELEOBT	2	<i>Eleocharis obtusa</i> var. <i>ovata</i>	Blunt spikerush	A-SEDGE	Cyperaceae
ELEPAR	10	<i>Eleocharis parvula</i> var. <i>anachaeta</i>	Dwarf spikerush	P-SEDGE	Cyperaceae
ELEPAU	10	<i>Eleocharis pauciflora</i>	Fewflower spikerush	P-SEDGE	Cyperaceae
ELEROS	10	<i>Eleocharis rostellata</i>	Beaked spikerush	P-SEDGE	Cyperaceae
ELESMA	4	<i>Eleocharis smallii</i>	Small's spikerush	P-SEDGE	Cyperaceae
ELEWOL	10	<i>Eleocharis wolfii</i>	Wolf's spikerush	P-SEDGE	Cyperaceae
ELEXYR	4	<i>Eleocharis xyridiformis</i>	Common spikerush	P-SEDGE	Cyperaceae
ELEIND	*	<i>ELEUSINE INDICA</i>	Goosegrass	A-GRASS	Poaceae
ELLYNYC	0	<i>Ellisia nyctelea</i>	Waterpod	A-FORB	Hydrophyllaceae
ELOCAN	8	<i>Elodea canadensis</i>	Canadian waterweed	P-FORB	Hydrocharitaceae
ELOLON	10	<i>Elodea longivaginata</i>	Twoleaf waterweed	P-FORB	Hydrocharitaceae
ELONUT	10	<i>Elodea nuttallii</i>	Slender waterweed	P-FORB	Hydrocharitaceae
ELYCAN	3	<i>Elymus canadensis</i>	Canada wildrye	P-GRASS	Poaceae
ELYDIV	8	<i>Elymus diversiglumis</i>	Diverseglume wildrye	P-GRASS	Poaceae
ELYGLA	10	<i>Elymus glaucus</i>	Blue wildrye	P-GRASS	Poaceae
ELYINN	8	<i>Elymus innovatus</i>	Fuzzyspike wildrye	P-GRASS	Poaceae
ELYJUN	*	<i>ELYMUS JUNCUS</i>	Russian wildrye	P-GRASS	Poaceae
ELYVIL	4	<i>Elymus villosus</i>	Hairy wildrye	P-GRASS	Poaceae
ELYVIR	4	<i>Elymus virginicus</i>	Virginia wildrye	P-GRASS	Poaceae
EPIANG	5	<i>Epilobium angustifolium</i> subsp. <i>circumvagum</i>	Fireweed	P-FORB	Onagraceae
EPICIC	3	<i>Epilobium ciliatum</i> subsp. <i>ciliatum</i>	Fringed willowherb	P-FORB	Onagraceae
EPICIG	3	<i>Epilobium ciliatum</i> subsp. <i>glandulosum</i>	Fringed willowherb	P-FORB	Onagraceae
EPICOL	8	<i>Epilobium coloratum</i>	Purpleleaf willowherb	P-FORB	Onagraceae
EPILEP	6	<i>Epilobium leptophyllum</i>	Narrowleaf willowherb	P-FORB	Onagraceae
EPIPAN	3	<i>Epilobium paniculatum</i>	Tall annual willowherb	A-FORB	Onagraceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
EQUARV	4	<i>Equisetum arvense</i>	Field horsetail	FERN	Equisetaceae
EQUFLU	8	<i>Equisetum fluviatile</i>	Water horsetail	FERN	Equisetaceae
EQUHYE	3	<i>Equisetum hyemale</i>	Common scouring rush	FERN	Equisetaceae
EQU LAE	3	<i>Equisetum laevigatum</i>	Smooth scouring rush	FERN	Equisetaceae
EQU PAL	8	<i>Equisetum palustre</i>	Marsh horsetail	FERN	Equisetaceae
EQU PRA	10	<i>Equisetum pratense</i>	Meadow horsetail	FERN	Equisetaceae
EQU SYL	10	<i>Equisetum sylvaticum</i>	Wood horsetail	FERN	Equisetaceae
EQU VAR	10	<i>Equisetum variegatum</i>	Variegated scouring rush	FERN	Equisetaceae
EQU FER	3	<i>Equisetum x ferrissii</i>	Intermediate scouring rush	FERN	Equisetaceae
ERACIL	*	ERAGROSTIS CILIANENSIS	Stinkgrass	A-GRASS	Poaceae
ERAHYP	2	<i>Eragrostis hypnoides</i>	Teal lovegrass	A-GRASS	Poaceae
ERAPEC	0	<i>Eragrostis pectinacea</i>	Carolina lovegrass	A-GRASS	Poaceae
ERAPIL	0	<i>Eragrostis pilosa</i> var. <i>perplexa</i>	India lovegrass	A-GRASS	Poaceae
ERAREP	2	<i>Eragrostis reptans</i>	Creeping lovegrass	A-GRASS	Poaceae
ERASPE	3	<i>Eragrostis spectabilis</i>	Purple lovegrass	P-GRASS	Poaceae
ERATRI	8	<i>Eragrostis trichodes</i>	Sand lovegrass	P-GRASS	Poaceae
EREHIE	*	ERECHTITES HIERACIFOLIA	Fireweed	A-FORB	Asteraceae
ERIANN	3	<i>Erigeron annuus</i>	Annual fleabane	A-FORB	Asteraceae
ERICAE	10	<i>Erigeron caespitosus</i>	Tufted fleabane	P-FORB	Asteraceae
ERICAN	7	<i>Erigeron canus</i>	Hoary fleabane	P-FORB	Asteraceae
ERICOM	10	<i>Erigeron compositus</i>	Cutleaf daisy	P-FORB	Asteraceae
ERIDIV	10	<i>Erigeron divergens</i>	Spreading fleabane	B-FORB	Asteraceae
ERIGLA	7	<i>Erigeron glabellus</i> subsp. <i>pubescens</i>	Streamside fleabane	B-FORB	Asteraceae
ERILON	10	<i>Erigeron lonchophyllus</i>	Shortray fleabane	B-FORB	Asteraceae
ERIPHI	2	<i>Erigeron philadelphicus</i>	Philadelphia fleabane	B-FORB	Asteraceae
ERIPUM	8	<i>Erigeron pumilus</i>	Low fleabane	P-FORB	Asteraceae
ERIRAD	10	<i>Erigeron radicans</i>	Taproot fleabane	P-FORB	Asteraceae
ERISTR	3	<i>Erigeron strigosus</i>	Daisy fleabane	A-FORB	Asteraceae
ERISUB	7	<i>Erigeron subtrinervis</i>	Threenerve fleabane	P-FORB	Asteraceae
ERIOAN	6	<i>Eriogonum annuum</i>	Annual buckwheat	A-FORB	Polygonaceae
ERICER	9	<i>Eriogonum cernuum</i>	Nodding buckwheat	A-FORB	Polygonaceae
ERIEFF	10	<i>Eriogonum effusum</i> var. <i>effusum</i>	Spreading buckwheat	P-FORB	Polygonaceae
ERIFLA	7	<i>Eriogonum flavum</i>	Yellow buckwheat	P-FORB	Polygonaceae
ERIGOR	6	<i>Eriogonum gordonii</i>	Gordon's buckwheat	A-FORB	Polygonaceae
ERIPAU	5	<i>Eriogonum pauciflorum</i> var. <i>pauciflorum</i>	Fewflower buckwheat	P-FORB	Polygonaceae
ERIVIS	8	<i>Eriogonum visherii</i>	Visher's buckwheat	A-FORB	Polygonaceae
ERICHA	10	<i>Eriophorum chamissonis</i>	Chamisso cottongrass	P-SEDGE	Cyperaceae
ERIGRA	10	<i>Eriophorum gracile</i>	Slender cottongrass	P-SEDGE	Cyperaceae
ERIPOL	8	<i>Eriophorum polystachion</i>	Narrowleaf cottongrass	P-SEDGE	Cyperaceae
ERIVIR	10	<i>Eriophorum viridicarinatum</i>	Tall cottongrass	P-SEDGE	Cyperaceae
ERUSAT	*	ERUCA SATIVA	Rocket salad	A-FORB	Brassicaceae
ERUGAL	*	ERUCASTRUM GALLICUM	Dog mustard	A-FORB	Brassicaceae
ERYASP	3	<i>Erysimum asperum</i>	Western wallflower	B-FORB	Brassicaceae
ERYCHE	*	ERYSIMUM CHEIRANTHOIDES	Wormseed wallflower	A-FORB	Brassicaceae
ERYINC	7	<i>Erysimum inconspicuum</i>	Smallflower wallflower	P-FORB	Brassicaceae
ERYREP	*	ERYSIMUM REPANDUM	Bushy wallflower	A-FORB	Brassicaceae
EUOATR	9	<i>Euonymus atropurpureus</i>	Wahoo	SHRUB	Celastraceae
EUPMAC	9	<i>Eupatorium maculatum</i> var. <i>bruneri</i>	Spotted joe-pye weed	P-FORB	Asteraceae
EUPPER	9	<i>Eupatorium perfoliatum</i>	Boneset	P-FORB	Asteraceae
EUPRUG	6	<i>Eupatorium rugosum</i>	White snakeroot	P-FORB	Asteraceae
EUPCOR	2	<i>Euphorbia corollata</i>	Flowering spurge	P-FORB	Euphorbiaceae
EUPCYA	2	<i>Euphorbia cyathophora</i>	Fire-on-the-mountain	A-FORB	Euphorbiaceae
EUPCYP	*	EUPHORBIA CYPARISSIAS	Cypress spurge	P-FORB	Euphorbiaceae
EUPDEN	2	<i>Euphorbia dentata</i>	Toothed spurge	A-FORB	Euphorbiaceae
EUPESU	*	EUPHORBIA ESULA	Leafy spurge	P-FORB	Euphorbiaceae
EUPFEN	8	<i>Euphorbia fendleri</i>	Fendler's euphorbia	P-FORB	Euphorbiaceae
EUPGEY	1	<i>Euphorbia geyeri</i>	Geyer's spurge	A-FORB	Euphorbiaceae
EUPGLY	0	<i>Euphorbia glyptosperma</i>	Ridgeseed spurge	A-FORB	Euphorbiaceae
EUPHEX	2	<i>Euphorbia hexagona</i>	Sixangle spurge	A-FORB	Euphorbiaceae
EUPHMA	0	<i>Euphorbia maculata</i>	Spotted spurge	A-FORB	Euphorbiaceae
EUPMAR	2	<i>Euphorbia marginata</i>	Snow-on-the-mountain	A-FORB	Euphorbiaceae
EUPMIS	4	<i>Euphorbia missurica</i>	Missouri spurge	A-FORB	Euphorbiaceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
EUPNUT	*	EUPHORBIA NUTANS	Eyebane	A-FORB	Euphorbiaceae
EUPPRO	1	<i>Euphorbia prostrata</i>	Groundfig spurge	A-FORB	Euphorbiaceae
EUPROB	9	<i>Euphorbia robusta</i>	Horned spurge	P-FORB	Euphorbiaceae
EUPSEP	0	<i>Euphorbia serpens</i>	Roundleaf spurge	A-FORB	Euphorbiaceae
EUPSEF	0	<i>Euphorbia serpyllifolia</i>	Thymeleaf spurge	A-FORB	Euphorbiaceae
EUPSPA	5	<i>Euphorbia spathulata</i>	Prairie spurge	A-FORB	Euphorbiaceae
EUPSTI	2	<i>Euphorbia stictospora</i>	Mat spurge	A-FORB	Euphorbiaceae
EUPPSE	*	EUPHORBIA X PSEUDOVIRGATA	Hybrid leafy spurge	P-FORB	Euphorbiaceae
EUSGRA	5	<i>Eustoma grandiflorum</i>	Showy prairie gentian	A-FORB	Gentianaceae
EUTGRG	6	<i>Euthamia graminifolia</i> var. <i>graminifolia</i>	Flat-top goldentop	P-FORB	Asteraceae
EUTGRM	6	<i>Euthamia graminifolia</i> var. <i>major</i>	Flat-top goldentop	P-FORB	Asteraceae
EUTGYM	5	<i>Euthamia gymnospermoides</i>	Viscid euthamia	P-FORB	Asteraceae
EVAPRO	4	<i>Evax prolifera</i>	Rabbit-tobacco	A-FORB	Asteraceae
FAGESC	*	FAGOPYRUM ESCULENTUM	Buckwheat	A-FORB	Polygonaceae
FESARU	*	FESTUCA ARUNDINACEA	Tall fescue	P-GRASS	Poaceae
FESOBT	10	<i>Festuca obtusa</i>	Nodding fescue	P-GRASS	Poaceae
FESOCT	0	<i>Festuca octoflora</i>	Sixweeks fescue	A-GRASS	Poaceae
FESovi	8	<i>Festuca ovina</i> var. <i>rydbergii</i>	Sheep's fescue	P-GRASS	Poaceae
FESPRA	*	FESTUCA PRATENSIS	Meadow fescue	P-GRASS	Poaceae
FESRUB	5	<i>Festuca rubra</i>	Red fescue	P-GRASS	Poaceae
FESSCA	8	<i>Festuca scabrella</i>	Rough fescue	P-GRASS	Poaceae
FIMAUT	5	<i>Fimbristylis autumnalis</i>	Autumn sedge	A-SEDGE	Cyperaceae
FIMPUB	10	<i>Fimbristylis puberula</i>	Hairy fimbry	P-SEDGE	Cyperaceae
FRAVES	6	<i>Fragaria vesca</i> var. <i>americana</i>	Woodland strawberry	P-FORB	Rosaceae
FRVIR	4	<i>Fragaria virginiana</i>	Wild strawberry	P-FORB	Rosaceae
FRANIG	10	<i>Fraxinus nigra</i>	Black ash	TREE	Oleaceae
FRAPEN	5	<i>Fraxinus pennsylvanica</i>	Green ash	TREE	Oleaceae
FRIATR	10	<i>Fritillaria atropurpurea</i>	Leopard lily	P-FORB	Liliaceae
FRIPUD	10	<i>Fritillaria pudica</i>	Yellow bell	P-FORB	Liliaceae
FROFLO	3	<i>Froelichia floridana</i>	Field snakecotton	A-FORB	Amaranthaceae
FROGRA	3	<i>Froelichia gracilis</i>	Slender snakecotton	A-FORB	Amaranthaceae
FUMVAI	*	FUMARIA VAILLENTII	Common fumitory	A-FORB	Fumariaceae
GAJARI	5	<i>Gaillardia aristata</i>	Blanket flower	P-FORB	Asteraceae
GALBIF	*	GALEOPSIS BIFIDA	Common hempenettle	A-FORB	Lamiaceae
GALPAR	*	GALINSOGA PARVIFLORA	Smooth Peruvian daisy	A-FORB	Asteraceae
GALQUA	*	GALINSOGA QUADRIRADIATA	Fringed quickweed	A-FORB	Asteraceae
GALAPA	0	<i>Galium aparine</i>	Catchweed bedstraw	A-FORB	Rubiaceae
GALBOR	4	<i>Galium boreale</i>	Northern bedstraw	P-FORB	Rubiaceae
GALLAB	10	<i>Galium labradoricum</i>	Labrador bedstraw	P-FORB	Rubiaceae
GALOBt	10	<i>Galium obtusum</i>	Bluntleaf bedstraw	P-FORB	Rubiaceae
GALTRU	8	<i>Galium trifidum</i>	Small bedstraw	P-FORB	Rubiaceae
GALTRO	7	<i>Galium triflorum</i>	Sweetscent bedstraw	P-FORB	Rubiaceae
GALVER	*	GALIIUM VERUM	Yellow bedstraw	P-FORB	Rubiaceae
GAUCOC	4	<i>Gaura coccinea</i>	Scarlet gaura	P-FORB	Onagraceae
GAUPAR	1	<i>Gaura parviflora</i>	Velvety gaura	A-FORB	Onagraceae
GENAFF	10	<i>Gentiana affinis</i>	Northern gentian	P-FORB	Gentianaceae
GENAND	10	<i>Gentiana andrewsii</i>	Closed gentian	P-FORB	Gentianaceae
GENPUB	10	<i>Gentiana puberulenta</i>	Downy gentian	P-FORB	Gentianaceae
GENAMA	7	<i>Gentianella amarella</i> subsp. <i>acuta</i>	Autumn dwarf gentian	A-FORB	Gentianaceae
GENCRI	10	<i>Gentianopsis crinita</i>	Fringed gentian	A-FORB	Gentianaceae
GENPRO	10	<i>Gentianopsis procera</i>	Lesser fringed gentian	A-FORB	Gentianaceae
GERBIC	3	<i>Geranium bicknellii</i>	Bicknell's cranesbill	A-FORB	Geraniaceae
GERCAR	5	<i>Geranium carolinianum</i>	Carolina cranesbill	A-FORB	Geraniaceae
GERMAC	10	<i>Geranium maculatum</i>	Wild cranesbill	P-FORB	Geraniaceae
GERPUS	*	GERANIUM PUSSILLUM	Small cranesbill	A-FORB	Geraniaceae
GEUALE	4	<i>Geum aleppicum</i>	Yellow avens	P-FORB	Rosaceae
GEUCAN	4	<i>Geum canadense</i>	White avens	P-FORB	Rosaceae
GEUMAC	8	<i>Geum macrophyllum</i>	Largeleaf avens	P-FORB	Rosaceae
GEURIV	10	<i>Geum rivale</i>	Purple avens	P-FORB	Rosaceae
GEUTRI	8	<i>Geum triflorum</i>	Torch flower	P-FORB	Rosaceae
GLAMAR	4	<i>Glaux maritima</i>	Sea milkwort	P-FORB	Primulaceae
GLEHED	*	GLECOMA HEDERACEA	Ground ivy	P-FORB	Lamiaceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
GLETRI	6	<i>Gleditsia triacanthos</i>	Honeylocust	TREE	Caesalpiniaceae
GLYBOR	8	<i>Glyceria borealis</i>	Northern mannagrass	P-GRASS	Poaceae
GLYGRA	4	<i>Glyceria grandis</i>	Tall mannagrass	P-GRASS	Poaceae
GLYSTR	6	<i>Glyceria striata</i>	Fowl mannagrass	P-GRASS	Poaceae
GLYLEP	2	<i>Glycyrrhiza lepidota</i>	Wild licorice	P-FORB	Fabaceae
GNAPAL	3	<i>Gnaphalium palustre</i>	Diffuse cudweed	A-FORB	Asteraceae
GRANEG	0	<i>Gratiola neglecta</i>	Hedge hyssop	A-FORB	Scrophulariaceae
GRISQQ	1	<i>Grindelia squarrosa</i> var. <i>quasiperennis</i>	Curly-top gumweed	B-FORB	Asteraceae
GRISQS	1	<i>Grindelia squarrosa</i> var. <i>squarrosa</i>	Curly-top gumweed	B-FORB	Asteraceae
GUTSAR	6	<i>Gutierrezia sarothrae</i>	Snakeweed	SHRUB	Asteraceae
GYMDRY	10	<i>Gymnocarpium dryopteris</i>	Oak fern	FERN	Polypodiaceae
GYMDIO	8	<i>Gymnocladus dioica</i>	Kentucky coffeetree	TREE	Caesalpiniaceae
GYPPAN	*	GYP SOPHILA PANICULATA	Baby's breath	P-FORB	Caryophyllaceae
HABCLA	10	<i>Habenaria clavellata</i>	Green woodland orchid	P-FORB	Orchidaceae
HABHYP	9	<i>Habenaria hyperborea</i>	Northern green orchid	P-FORB	Orchidaceae
HABLEU	10	<i>Habenaria leucophaea</i>	Prairie fringed orchid	P-FORB	Orchidaceae
HABVIR	10	<i>Habenaria viridis</i> var. <i>bracteata</i>	Longbract orchid	P-FORB	Orchidaceae
HACDEF	0	<i>Hackelia deflexa</i>	Nodding stickseed	B-FORB	Boraginaceae
HACFLO	8	<i>Hackelia floribunda</i>	Manyflower stickseed	B-FORB	Boraginaceae
HACVIR	0	<i>Hackelia virginiana</i>	Virginia stickseed	B-FORB	Boraginaceae
HALDEF	8	<i>Halenia deflexa</i>	Spurred gentian	A-FORB	Gentianaceae
HAPARM	7	<i>Haplopappus armerioides</i>	Thrift mock goldenweed	SHRUB	Asteraceae
HAPLAN	9	<i>Haplopappus lanceolatus</i>	Lanceleaf goldenweed	P-FORB	Asteraceae
HAPMUL	4	<i>Haplopappus multicaulis</i>	Branched false goldenweed	P-FORB	Asteraceae
HAPSPI	7	<i>Haplopappus spinulosus</i>	Cutleaf ironplant	P-FORB	Asteraceae
HEDDRU	4	<i>Hedeoma drummondii</i>	Drummond false pennyroyal	P-FORB	Lamiaceae
HEDHIS	2	<i>Hedeoma hispidum</i>	Rough false pennyroyal	A-FORB	Lamiaceae
HEDCRA	*	HEDYOTIS CRASSIFOLIA	Small bluets	A-FORB	Rubiaceae
HEDLON	8	<i>Hedyotis longifolia</i>	Slenderleaf bluet	P-FORB	Rubiaceae
HEDBOR	7	<i>Hedysarum boreale</i>	Sweetbroom	P-FORB	Fabaceae
HELAUT	4	<i>Helenium autumnale</i>	Sneezeweed	P-FORB	Asteraceae
HELBIC	10	<i>Helianthemum bicknellii</i>	Frostweed	P-FORB	Cistaceae
HELANN	0	<i>Helianthus annuus</i>	Common sunflower	A-FORB	Asteraceae
HELGRO	7	<i>Helianthus grosseserratus</i>	Sawtooth sunflower	P-FORB	Asteraceae
HELMAX	5	<i>Helianthus maximiliani</i>	Maximilian sunflower	P-FORB	Asteraceae
HELNUN	8	<i>Helianthus nuttallii</i> subsp. <i>nuttallii</i>	Nuttall's sunflower	P-FORB	Asteraceae
HELNUR	8	<i>Helianthus nuttallii</i> subsp. <i>rydbergii</i>	Nuttall's sunflower	P-FORB	Asteraceae
HELPET	0	<i>Helianthus petiolaris</i>	Plains sunflower	A-FORB	Asteraceae
HELRIg	8	<i>Helianthus rigidus</i> subsp. <i>subrhomboideus</i>	Stiff sunflower	P-FORB	Asteraceae
HELTUB	2	<i>Helianthus tuberosus</i>	Jerusalem artichoke	P-FORB	Asteraceae
HELHOO	9	<i>Helictotrichon hookeri</i>	Spike oat	P-GRASS	Poaceae
HELHEL	5	<i>Heliopsis helianthoides</i> var. <i>scabra</i>	False sunflower	P-FORB	Asteraceae
HELCUR	8	<i>Heliotropium curassavicum</i>	Seaside heliotrope	A-FORB	Boraginaceae
HEMFUL	*	HEMEROCALLIS FULVA	Daylily	P-FORB	Liliaceae
HEMDRU	7	<i>Hemicarpha drummondii</i>	Drummond hemicarpha	A-SEDGE	Cyperaceae
HEMMIC	7	<i>Hemicarpha micrantha</i>	Common hemicarpha	A-SEDGE	Cyperaceae
HERSPH	3	<i>Heracleum sphondylium</i> subsp. <i>montanum</i>	Cow parsnip	P-FORB	Apiaceae
HESMAT	*	HESPERIS MATRONALIS	Dame's rocket	B-FORB	Brassicaceae
HETLIM	9	<i>Heteranthera limosa</i>	Mud plantain	P-FORB	Pontederiaceae
HEURIC	8	<i>Heuchera richardsonii</i>	Alumroot	P-FORB	Saxifragaceae
HIBTRI	*	HIBISCUS TRIONUM	Flower-of-an-hour	A-FORB	Malvaceae
HIECAN	6	<i>Hieracium canadense</i>	Canadian hawkweed	P-FORB	Asteraceae
HIEUMB	6	<i>Hieracium umbellatum</i>	Narrowleaf hawkweed	P-FORB	Asteraceae
HIEODO	10	<i>Hierochloa odorata</i>	Sweetgrass	P-GRASS	Poaceae
HIPVUL	5	<i>Hippuris vulgaris</i>	Mare's tail	P-FORB	Hippuridaceae
HORJUB	0	<i>Hordeum jubatum</i>	Foxtail barley	P-GRASS	Poaceae
HORPUS	0	<i>Hordeum pusillum</i>	Little barley	A-GRASS	Poaceae
HUDTOM	10	<i>Hudsonia tomentosa</i>	Beach heather	SHRUB	Cistaceae
HUMLUP	3	<i>Humulus lupulus</i>	Common hops	H-VINE	Cannabaceae
HYDVIR	8	<i>Hydrophyllum virginianum</i>	Waterleaf	P-FORB	Hydrophyllaceae
HYMFIL	8	<i>Hymenopappus filifolius</i> var. <i>polycephalus</i>	Manyhead hymenopappus	P-FORB	Asteraceae
HYMTEN	8	<i>Hymenopappus tenuifolius</i>	Slimleaf hymenopappus	B-FORB	Asteraceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
HYMACA	6	<i>Hymenoxys acaulis</i>	Stemless hymenoxys	P-FORB	Asteraceae
HYMRIC	8	<i>Hymenoxys richardsonii</i>	Colorado rubber plant	P-FORB	Asteraceae
HYONIG	*	HYOSCYAMUS NIGER	Henbane	A-FORB	Solanaceae
HYPMAJ	10	<i>Hypericum majus</i>	Greater St. John's-wort	P-FORB	Clusiaceae
HYPPER	*	HYPERICUM PERFORATUM	Common St. John's-wort	P-FORB	Clusiaceae
HYPHIR	8	<i>Hypoxis hirsuta</i>	Yellow stargrass	P-FORB	Liliaceae
HYSPAT	8	<i>Hystrix patula</i>	Bottlebrush grass	P-GRASS	Poaceae
IMPCAP	4	<i>Impatiens capensis</i>	Spotted touch-me-not	A-FORB	Balsaminaceae
IMPPAL	4	<i>Impatiens pallida</i>	Pale touch-me-not	A-FORB	Balsaminaceae
IPOLEP	9	<i>Ipomoea leptophylla</i>	Bush morning-glory	P-FORB	Convolvulaceae
IPOPUR	*	IPOMOEA PURPUREA	Common morning-glory	A-FORB	Convolvulaceae
IPOCON	8	<i>Ipomopsis congesta</i>	Ballhead ipomopsis	P-FORB	Polemoniaceae
IPOSPI	8	<i>Ipomopsis spicata</i>	Spiked ipomopsis	P-FORB	Polemoniaceae
IRIMIS	6	<i>Iris missouriensis</i>	Western blueflag	P-FORB	Iridaceae
ISOMEL	10	<i>Isoetes melanopoda</i>	Midland quillwort	FERN	Isoetaceae
IVAANN	*	IVA ANNUA	Marsh elder	A-FORB	Asteraceae
IVAAXI	4	<i>Iva axillaris</i>	Povertyweed	P-FORB	Asteraceae
IVAXAN	0	<i>Iva xanthifolia</i>	Marsh elder	A-FORB	Asteraceae
JUGNIG	8	<i>Juglans nigra</i>	Black walnut	TREE	Juglandaceae
JUNALP	7	<i>Juncus alpinus</i>	Richardson's rush	P-FORB	Juncaceae
JUNART	7	<i>Juncus articulatus</i>	Jointleaf rush	P-FORB	Juncaceae
JUNBAL	5	<i>Juncus balticus</i>	Baltic rush	P-FORB	Juncaceae
JUNBUF	1	<i>Juncus bufonius</i>	Toad rush	A-FORB	Juncaceae
JUNCAN	10	<i>Juncus canadensis</i>	Canadian rush	P-FORB	Juncaceae
JUNDUD	4	<i>Juncus dudleyi</i>	Dudley rush	P-FORB	Juncaceae
JUNGER	*	JUNCUS GERARDII	Blackgrass	P-FORB	Juncaceae
JUNINT	5	<i>Juncus interior</i>	Inland rush	P-FORB	Juncaceae
JUNLON	10	<i>Juncus longistylis</i>	Longstyle rush	P-FORB	Juncaceae
JUNMAR	10	<i>Juncus marginatus</i>	Grassleaf rush	P-FORB	Juncaceae
JUNNOD	7	<i>Juncus nodosus</i>	Knotted rush	P-FORB	Juncaceae
JUNTEN	4	<i>Juncus tenuis</i>	Path rush	P-FORB	Juncaceae
JUNTOR	2	<i>Juncus torreyi</i>	Torrey's rush	P-FORB	Juncaceae
JUNCOM	5	<i>Juniperus communis</i>	Dwarf juniper	SHRUB	Cupressaceae
JUNHOR	6	<i>Juniperus horizontalis</i>	Creeping juniper	SHRUB	Cupressaceae
JUNSCO	4	<i>Juniperus scopulorum</i>	Rocky Mountain juniper	TREE	Cupressaceae
JUNVIR	0	<i>Juniperus virginiana</i>	Red cedar	TREE	Cupressaceae
KNAARV	*	KNAUTIA ARVENSIS	Bluebuttons	P-FORB	Dipsacaceae
KOCSCO	*	KOCHIA SCOPARIA	Kochia	A-FORB	Chenopodiaceae
KOEPYR	7	<i>Koeleria pyramidata</i>	Junegrass	P-GRASS	Poaceae
KUHEUP	5	<i>Kuhnia eupatorioides</i> var. <i>corymbulosa</i>	False boneset	P-FORB	Asteraceae
LACBIE	6	<i>Lactuca biennis</i>	Blue wood lettuce	B-FORB	Asteraceae
LACCAN	6	<i>Lactuca canadensis</i>	Wild lettuce	B-FORB	Asteraceae
LACFLO	4	<i>Lactuca floridana</i>	Florida lettuce	B-FORB	Asteraceae
LACLUD	6	<i>Lactuca ludoviciana</i>	Western wild lettuce	B-FORB	Asteraceae
LACobl	1	<i>Lactuca oblongifolia</i>	Blue lettuce	P-FORB	Asteraceae
LACSER	*	LACTUCA SERRIOLA	Prickly lettuce	A-FORB	Asteraceae
LAMAMP	*	LAMIUM AMPLEXICAULE	Henbit	A-FORB	Lamiaceae
LAPCAN	5	<i>Laportea canadensis</i>	Wood nettle	P-FORB	Urticaceae
LAPCEN	3	<i>Lappula cenchrusoides</i>	Great Plains stickseed	A-FORB	Boraginaceae
LAPECH	*	LAPPULA ECHINATA	Blue stickseed	A-FORB	Boraginaceae
LAPRED	2	<i>Lappula redowskii</i>	Low stickseed	A-FORB	Boraginaceae
LAPTEX	1	<i>Lappula texana</i>	Cupseed stickseed	A-FORB	Boraginaceae
LAPCOM	*	LAPSANA COMMUNIS	Nipplewort	A-FORB	Asteraceae
LATOCH	8	<i>Lathyrus ochroleucus</i>	Yellow vetchling	P-FORB	Fabaceae
LATPAL	9	<i>Lathyrus palustris</i>	Marsh vetchling	P-FORB	Fabaceae
LATPOL	7	<i>Lathyrus polymorphus</i>	Hoary vetchling	P-FORB	Fabaceae
LATVEN	8	<i>Lathyrus venosus</i> var. <i>intonsus</i>	Bushy vetchling	P-FORB	Fabaceae
LECSTR	8	<i>Lechea stricta</i>	Pinweed	P-FORB	Cistaceae
LEEORY	2	<i>Leersia oryzoides</i>	Rice cutgrass	P-GRASS	Poaceae
LEEVIR	5	<i>Leersia virginica</i>	Whitegrass	P-GRASS	Poaceae
LEMGIB	2	<i>Lemna gibba</i>	Swollen duckweed	P-FORB	Lemnaceae
LEMMIN	9	<i>Lemna minor</i>	Common duckweed	P-FORB	Lemnaceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
LEMOBS	2	<i>Lemna obscura</i>	Little duckweed	P-FORB	Lemnaceae
LEMTRI	2	<i>Lemna trisulca</i>	Star duckweed	P-FORB	Lemnaceae
LEMTUR	1	<i>Lemna turionifera</i>	Turion duckweed	P-FORB	Lemnaceae
LEOCAR	*	LEONURUS CARDIACA	Motherwort	P-FORB	Lamiaceae
LEPDEN	0	<i>Lepidium densiflorum</i>	Peppergrass	A-FORB	Brassicaceae
LEPPER	*	LEPIDIUM PERFOLIATUM	Clasping peppergrass	A-FORB	Brassicaceae
LEPRAM	0	<i>Lepidium ramosissimum</i>	Bushy peppergrass	B-FORB	Brassicaceae
LEPVIR	0	<i>Lepidium virginicum</i>	Peppergrass	A-FORB	Brassicaceae
LEPFAS	0	<i>Leptochloa fascicularis</i>	Bearded sprangletop	A-GRASS	Poaceae
LESCAP	9	<i>Lespedeza capitata</i>	Roundhead lespedeza	P-FORB	Fabaceae
LESALP	8	<i>Lesquerella alpina</i>	Alpine bladderpod	P-FORB	Brassicaceae
LESARN	6	<i>Lesquerella arenosa</i> var. <i>arenosa</i>	Great Plains bladderpod	A-FORB	Brassicaceae
LESARG	8	<i>Lesquerella arenosa</i> var. <i>argillosa</i>	Great Plains bladderpod	A-FORB	Brassicaceae
LESLUD	6	<i>Lesquerella ludoviciana</i>	Foothill bladderpod	P-FORB	Brassicaceae
LESMON	8	<i>Lesquerella montana</i>	Mountain bladderpod	P-FORB	Brassicaceae
LEUMON	10	<i>Leucocrinum montanum</i>	Mountain lily	P-FORB	Liliaceae
LIAASP	8	<i>Liatris aspera</i>	Tall blazing star	P-FORB	Asteraceae
LIALAN	10	<i>Liatris lancifolia</i>	Lanceleaf blazing star	P-FORB	Asteraceae
LIALIG	10	<i>Liatris ligulistylis</i>	Rocky Mountain blazing star	P-FORB	Asteraceae
LIAPUN	7	<i>Liatris punctata</i>	Dotted blazing star	P-FORB	Asteraceae
LIAPYC	8	<i>Liatris pycnostachya</i>	Prairie blazing star	P-FORB	Asteraceae
LIASQU	8	<i>Liatris squarrosa</i> var. <i>glabrata</i>	Scaly blazing star	P-FORB	Asteraceae
LILCAN	10	<i>Lilium canadense</i>	Turk's cap lily	P-FORB	Liliaceae
LILPHI	8	<i>Lilium philadelphicum</i>	Wild lily	P-FORB	Liliaceae
LIMAUQU	2	<i>Limosella aquatica</i>	Mudwort	P-FORB	Scrophulariaceae
LINSEP	10	<i>Linanthus septentrionalis</i>	Northern linanthus	A-FORB	Polemoniaceae
LINCAC	5	<i>Linaria canadensis</i> var. <i>canadensis</i>	Old-field toadflax	A-FORB	Scrophulariaceae
LINCAT	5	<i>Linaria canadensis</i> var. <i>texana</i>	Texas toadflax	A-FORB	Scrophulariaceae
LINDAL	*	LINARIA DALMATICA	Toadflax	P-FORB	Scrophulariaceae
LINVUL	*	LINARIA VULGARIS	Butter-and-eggs	P-FORB	Scrophulariaceae
LINDUB	2	<i>Lindernia dubia</i>	False pimpernel	A-FORB	Scrophulariaceae
LINBOR	10	<i>Linnaea borealis</i>	Twinflower	SHRUB	Caprifoliaceae
LINPER	6	<i>Linum perenne</i> var. <i>lewisii</i>	Blue flax	P-FORB	Linaceae
LINRIC	5	<i>Linum rigidum</i> var. <i>compactum</i>	Stiffstem flax	A-FORB	Linaceae
LINRIR	5	<i>Linum rigidum</i> var. <i>rigidum</i>	Stiffstem flax	A-FORB	Linaceae
LINSUL	7	<i>Linum sulcatum</i>	Grooved flax	A-FORB	Linaceae
LINUSI	*	LINUM USITATISSIMUM	Common flax	A-FORB	Linaceae
LIPLOE	10	<i>Liparis loeselii</i>	Loesel's twayblade	P-FORB	Orchidaceae
LIPCUN	0	<i>Lippia cuneifolia</i>	Wedgeleaf fog-fruit	P-FORB	Verbenaceae
LIPLAN	2	<i>Lippia lanceolata</i>	Northern fog-fruit	P-FORB	Verbenaceae
LITARV	*	LITHOSPERMUM ARVENSE	Corn gromwell	A-FORB	Boraginaceae
LITCAN	7	<i>Lithospermum canescens</i>	Hoary puccoon	P-FORB	Boraginaceae
LITCAR	8	<i>Lithospermum caroliniense</i>	Puccoon	P-FORB	Boraginaceae
LITINC	7	<i>Lithospermum incisum</i>	Narrowleaf puccoon	P-FORB	Boraginaceae
LITLAT	10	<i>Lithospermum latifolium</i>	Gromwell	P-FORB	Boraginaceae
LOBKAL	10	<i>Lobelia kalmii</i>	Kalm's lobelia	P-FORB	Campanulaceae
LOBSIP	7	<i>Lobelia siphilitica</i>	Blue cardinal flower	P-FORB	Campanulaceae
LOBSPI	6	<i>Lobelia spicata</i>	Palespike lobelia	P-FORB	Campanulaceae
LOLPEN	*	LOLIUM PERENNE	Perennial ryegrass	P-GRASS	Poaceae
LOLPEM	*	LOLIUM PERSICUM	Asian ryegrass	A-GRASS	Poaceae
LOMFOE	6	<i>Lomatium foeniculaceum</i> var. <i>foeniculaceum</i>	Wild parsley	P-FORB	Apiaceae
LOMMAC	8	<i>Lomatium macrocarpum</i>	Bigseed biscuitroot	P-FORB	Apiaceae
LOMORI	8	<i>Lomatium orientale</i>	Wild parsley	P-FORB	Apiaceae
LONDIO	5	<i>Lonicera dioica</i>	Wild honeysuckle	W-VINE	Caprifoliaceae
LONTAT	*	LONICERA TATARICA	Tatarian honeysuckle	SHRUB	Caprifoliaceae
LOTCOR	*	LOTUS CORNICULATUS	Bird's-foot trefoil	P-FORB	Fabaceae
LOTPUR	3	<i>Lotus purshianus</i>	Prairie trefoil	A-FORB	Fabaceae
LUPARA	8	<i>Lupinus argenteus</i> var. <i>argenteus</i>	Silvery lupine	P-FORB	Fabaceae
LUPARP	8	<i>Lupinus argenteus</i> var. <i>parviflorus</i>	Silvery lupine	P-FORB	Fabaceae
LUPPUS	6	<i>Lupinus pusillus</i>	Small lupine	A-FORB	Fabaceae
LUZMUL	7	<i>Luzula multiflora</i>	Common woodrush	P-FORB	Juncaceae
LYCCHA	*	LYCHNIS CHALCEDONICA	Scarlet lychnis	P-FORB	Caryophyllaceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
LYCHAL	*	LYCIUM HALIMIFOLIUM	Matrimony vine	SHRUB	Solanaceae
LYCARV	*	LYCOPSIS ARVENSIS	Small bugloss	A-FORB	Boraginaceae
LYCAME	4	<i>Lycopus americanus</i>	American bugleweed	P-FORB	Lamiaceae
LYCASP	4	<i>Lycopus asper</i>	Rough bugleweed	P-FORB	Lamiaceae
LYCUNI	8	<i>Lycopus uniflorus</i>	One flower horehound	P-FORB	Lamiaceae
LYGJUN	2	<i>Lygodesmia juncea</i>	Skeletonweed	P-FORB	Asteraceae
LYSCIL	6	<i>Lysimachia ciliata</i>	Fringed loosestrife	P-FORB	Primulaceae
LYSHYB	5	<i>Lysimachia hybrida</i>	Loosestrife	P-FORB	Primulaceae
LYSQUA	8	<i>Lysimachia quadriflora</i>	Whorled loosestrife	P-FORB	Primulaceae
LYSTHY	7	<i>Lysimachia thyrsiflora</i>	Tufted loosestrife	P-FORB	Primulaceae
LYTALA	9	<i>Lythrum alatum</i>	Winged loosestrife	P-FORB	Lythraceae
LYTSAL	*	LYTHRUM SALICARIA	Purple loosestrife	P-FORB	Lythraceae
MACCAN	8	<i>Machaeranthera canescens</i>	Hoary tanseyaster	A-FORB	Asteraceae
MACGRI	8	<i>Machaeranthera grindelioides</i>	Rayless tanseyaster	P-FORB	Asteraceae
MACLIN	8	<i>Machaeranthera linearis</i>	Hoary tanseyaster	A-FORB	Asteraceae
MACPOM	*	MACLURA POMIFERA	Osage orange	TREE	Moraceae
MADGLO	1	<i>Madia glomerata</i>	Tarweed	A-FORB	Asteraceae
MAICAN	8	<i>Maianthemum canadense</i>	Wild lily-of-the-valley	P-FORB	Liliaceae
MALNEG	*	MALVA NEGLECTA	Common mallow	A-FORB	Malvaceae
MALPAR	*	MALVA PARVIFLORA	Small-fruited mallow	A-FORB	Malvaceae
MALROT	*	MALVA ROTUNDIFOLIA	Common mallow	A-FORB	Malvaceae
MALSYL	*	MALVA SYLVESTRIS	High mallow	B-FORB	Malvaceae
MALVER	*	MALVA VERTICILLATA	Clustered mallow	A-FORB	Malvaceae
MARVES	2	<i>Marsilea vestita</i>	Western water clover	FERN	Marsileaceae
MATCHA	*	MATRICARIA CHAMOMILLA	False chamomile	A-FORB	Asteraceae
MATMAR	*	MATRICARIA MARITIMA	Wild chamomile	A-FORB	Asteraceae
MATMAT	*	MATRICARIA MATRICARIOIDES	Pineapple weed	A-FORB	Asteraceae
MATSTR	10	<i>Matteuccia struthiopteris</i>	Ostrich fern	FERN	Polypodiaceae
MEDLUP	*	MEDICAGO LUPULINA	Black medick	P-FORB	Fabaceae
MEDSAT	*	MEDICAGO SATIVA	Alfalfa	P-FORB	Fabaceae
MELALB	*	MELILOTUS ALBA	White sweet clover	A-FORB	Fabaceae
MELOFF	*	MELILOTUS OFFICINALIS	Yellow sweet clover	A-FORB	Fabaceae
MENCAN	8	<i>Menispermum canadense</i>	Moonseed	W-VINE	Menispermaceae
MENARV	3	<i>Mentha arvensis</i>	Field mint	P-FORB	Lamiaceae
MENALB	4	<i>Mentzelia albicaulis</i>	Whitestem blazingstar	A-FORB	Loasaceae
MENDEC	5	<i>Mentzelia decapetala</i>	Tenpetal blazingstar	B-FORB	Loasaceae
MENDIS	2	<i>Mentzelia dispersa</i>	Bushy blazingstar	A-FORB	Loasaceae
MENNUD	5	<i>Mentzelia nuda</i>	Bractless blazingstar	B-FORB	Loasaceae
MENOLI	7	<i>Mentzelia oligosperma</i>	Stickleaf	P-FORB	Loasaceae
MENPUM	10	<i>Mentzelia pumila</i>	Dwarf mentzelia	P-FORB	Loasaceae
MENTRI	10	<i>Menyanthes trifoliata</i>	Buckbean	P-FORB	Menyanthaceae
MERCIL	10	<i>Mertensia ciliata</i>	Tall fringed bluebells	P-FORB	Boraginaceae
MERLAN	9	<i>Mertensia lanceolata</i>	Prairie bluebells	P-FORB	Boraginaceae
MEROBL	9	<i>Mertensia oblongifolia</i>	Oblongleaf bluebells	P-FORB	Boraginaceae
MICCUS	10	<i>Microseris cuspidata</i>	False dandelion	P-FORB	Asteraceae
MIMGLA	9	<i>Mimulus glabratus</i> var. <i>fremontii</i>	Roundleaf monkeyflower	P-FORB	Scrophulariaceae
MIMGUT	8	<i>Mimulus guttatus</i>	Common yellow monkeyflower	A-FORB	Scrophulariaceae
MIMRIN	6	<i>Mimulus ringens</i>	Alleghany monkeyflower	P-FORB	Scrophulariaceae
MIRALB	6	<i>Mirabilis albida</i>	White four-o'clock	P-FORB	Nyctaginaceae
MIRHIR	4	<i>Mirabilis hirsuta</i>	Hairy four-o'clock	P-FORB	Nyctaginaceae
MIRLIN	7	<i>Mirabilis linearis</i>	Narrowleaf four-o'clock	P-FORB	Nyctaginaceae
MIRNYC	2	<i>Mirabilis nyctaginea</i>	Wild four-o'clock	P-FORB	Nyctaginaceae
MITNUD	10	<i>Mitella nuda</i>	Bishop's cap	P-FORB	Saxifragaceae
MOLVER	*	MOLLUGO VERTICILLATA	Carpetweed	A-FORB	Molluginaceae
MONFIF	5	<i>Monarda fistulosa</i> var. <i>fistulosa</i>	Wild bergamot	P-FORB	Lamiaceae
MONFIM	5	<i>Monarda fistulosa</i> var. <i>menthifolia</i>	Wild bergamot	P-FORB	Lamiaceae
MONPEC	5	<i>Monarda pectinata</i>	Spotted beebalm	A-FORB	Lamiaceae
MONNUT	3	<i>Monolepis nuttalliana</i>	Povertyweed	A-FORB	Chenopodiaceae
MONUNI	10	<i>Monotropa uniflora</i>	Indian pipe	P-FORB	Monotropaceae
MONSQU	0	<i>Monroa squarrosa</i>	False buffalograss	A-GRASS	Poaceae
MORALB	*	MORUS ALBA	White mulberry	TREE	Moraceae
MUHASP	2	<i>Muhlenbergia asperifolia</i>	Scratchgrass	P-GRASS	Poaceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
MUHCUS	8	<i>Muhlenbergia cuspidata</i>	Plains muhly	P-GRASS	Poaceae
MUHFIL	10	<i>Muhlenbergia filiformis</i>	Pullup muhly	A-GRASS	Poaceae
MUHFRO	4	<i>Muhlenbergia frondosa</i>	Wirestem muhly	P-GRASS	Poaceae
MUHGLO	10	<i>Muhlenbergia glomerata</i>	Spiked muhly	P-GRASS	Poaceae
MUHMEX	4	<i>Muhlenbergia mexicana</i>	Mexican muhly	P-GRASS	Poaceae
MUHPUN	7	<i>Muhlenbergia pungens</i>	Sandhill muhly	P-GRASS	Poaceae
MUHRAC	4	<i>Muhlenbergia racemosa</i>	Marsh muhly	P-GRASS	Poaceae
MUHRIC	10	<i>Muhlenbergia richardsonis</i>	Mat muhly	P-GRASS	Poaceae
MUHSYL	5	<i>Muhlenbergia sylvatica</i>	Forest muhly	P-GRASS	Poaceae
MUSDIV	6	<i>Musineon divaricatum</i>	Leafy wildparsley	P-FORB	Apiaceae
MYOMIN	2	<i>Myosurus minimus</i>	Mousetail	A-FORB	Ranunculaceae
MYREXA	3	<i>Myriophyllum exallescens</i>	American milfoil	P-FORB	Haloragaceae
MYRHET	9	<i>Myriophyllum heterophyllum</i>	Twoleaf watermilfoil	P-FORB	Haloragaceae
MYRPIN	9	<i>Myriophyllum pinnatum</i>	Green parrot's feather	P-FORB	Haloragaceae
MYRSPI	*	MYRIOPHYLLUM SPICATUM	Pale watermilfoil	P-FORB	Haloragaceae
MYRVER	9	<i>Myriophyllum verticillatum</i>	Whorl-leaf watermilfoil	P-FORB	Haloragaceae
NAJFLE	6	<i>Najas flexilis</i>	Nodding waternymph	A-FORB	Najadaceae
NAJGUA	2	<i>Najas guadalupensis</i>	Southern waternymph	A-FORB	Najadaceae
NAJMAR	*	NAJAS MARINA	Spiny naiad	A-FORB	Najadaceae
NASOFF	*	NASTURTIIUM OFFICINALE	Watercress	P-FORB	Brassicaceae
NAVINT	5	<i>Navarretia intertexta</i> var. <i>propinqua</i>	Needleleaf navarretia	A-FORB	Polemoniaceae
NEPCAT	*	NEPETA CATARIA	Catnip	P-FORB	Lamiaceae
NESPAN	*	NESLIA PANICULATA	Ball mustard	A-FORB	Brassicaceae
NUPLUT	8	<i>Nuphar luteum</i> var. <i>variegatum</i>	Yellow water lily	P-FORB	Nymphaeaceae
NYMODO	9	<i>Nymphaea odorata</i>	Fragrant white waterlily	P-FORB	Nymphaeaceae
NYMTUB	9	<i>Nymphaea tuberosa</i>	White waterlily	P-FORB	Nymphaeaceae
OENALB	5	<i>Oenothera albicaulis</i>	Prairie evening primrose	A-FORB	Onagraceae
OENBIE	0	<i>Oenothera biennis</i>	Common evening primrose	B-FORB	Onagraceae
OENCAE	8	<i>Oenothera caespitosa</i>	Gumbo evening primrose	P-FORB	Onagraceae
OENCOR	6	<i>Oenothera coronopifolia</i>	Combleaf evening primrose	P-FORB	Onagraceae
OENFLA	8	<i>Oenothera flava</i>	Yellow evening primrose	P-FORB	Onagraceae
OENLAC	1	<i>Oenothera laciniata</i>	Cutleaf evening primrose	A-FORB	Onagraceae
OENNUT	8	<i>Oenothera nuttallii</i>	Whitestem evening primrose	P-FORB	Onagraceae
OENRHO	4	<i>Oenothera rhombipetala</i>	Fourpoint evening primrose	B-FORB	Onagraceae
ONOSEN	10	<i>Onoclea sensibilis</i>	Sensitive fern	FERN	Polypodiaceae
ONOMOL	7	<i>Onosmodium molle</i> var. <i>occidentale</i>	False gromwell	P-FORB	Boraginaceae
OPHVUL	10	<i>Ophioglossum vulgatum</i> var. <i>pseudopodium</i>	Northern adder's-tongue	FERN	Ophioglossaceae
OPUFRA	5	<i>Opuntia fragilis</i>	Brittle pricklypear	SHRUB	Cactaceae
OPUMAC	5	<i>Opuntia macrorhiza</i>	Twistspine pricklypear	SHRUB	Cactaceae
OPUPOL	3	<i>Opuntia polyacantha</i>	Plains pricklypear	SHRUB	Cactaceae
OROFAS	9	<i>Orobancha fasciculata</i>	Clustered broomrape	P-FORB	Orobanchaceae
OROLUD	10	<i>Orobancha ludoviciana</i>	Louisiana broomrape	P-FORB	Orobanchaceae
OROUNI	10	<i>Orobancha uniflora</i>	One-flowered broomrape	P-FORB	Orobanchaceae
ORTLUT	6	<i>Orthocarpus luteus</i>	Owl clover	A-FORB	Scrophulariaceae
ORYASP	8	<i>Oryzopsis asperifolia</i>	Roughleaf ricegrass	P-GRASS	Poaceae
ORYHYM	5	<i>Oryzopsis hymenoides</i>	Indian ricegrass	P-GRASS	Poaceae
ORYMIC	8	<i>Oryzopsis micrantha</i>	Littleseed ricegrass	P-GRASS	Poaceae
ORYPUN	10	<i>Oryzopsis pungens</i>	Mountain ricegrass	P-GRASS	Poaceae
ORYRAC	8	<i>Oryzopsis racemosa</i>	Blackseed ricegrass	P-GRASS	Poaceae
OSMCCL	10	<i>Osmorhiza claytonii</i>	Sweet jarvil	P-FORB	Apiaceae
OSMLQL	7	<i>Osmorhiza longistylis</i> var. <i>longistylis</i>	Aniseroot	P-FORB	Apiaceae
OSMLOV	7	<i>Osmorhiza longistylis</i> var. <i>villicaulis</i>	Aniseroot	P-FORB	Apiaceae
OSTVIR	9	<i>Ostrya virginiana</i>	Hop-hornbeam	TREE	Betulaceae
OXADIL	5	<i>Oxalis dillenii</i>	Gray-green wood sorrel	P-FORB	Oxalidaceae
OXASTR	0	<i>Oxalis stricta</i>	Yellow wood sorrel	P-FORB	Oxalidaceae
OXAVIO	7	<i>Oxalis violacea</i>	Violet wood sorrel	P-FORB	Oxalidaceae
OXYCAM	8	<i>Oxytropis campestris</i> var. <i>gracilis</i>	Slender locoweed	P-FORB	Fabaceae
OXYDEF	8	<i>Oxytropis deflexa</i> var. <i>sericea</i>	Pendulous-pod loco	P-FORB	Fabaceae
OXYLAM	5	<i>Oxytropis lambertii</i>	Purple locoweed	P-FORB	Fabaceae
OXYSER	6	<i>Oxytropis sericea</i>	White locoweed	P-FORB	Fabaceae
OXSPL	9	<i>Oxytropis splendens</i>	Showy locoweed	P-FORB	Fabaceae
PANQUI	10	<i>Panax quinquefolium</i>	Ginseng	P-FORB	Araliaceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
PANCAP	0	<i>Panicum capillare</i>	Common witchgrass	A-GRASS	Poaceae
PANDIC	0	<i>Panicum dichotomiflorum</i>	Fall panicum	A-GRASS	Poaceae
PANMIL	*	PANICUM MILIACEUM	Broom-corn millet	A-GRASS	Poaceae
PANVIR	5	<i>Panicum virgatum</i>	Switchgrass	P-GRASS	Poaceae
PARPEN	3	<i>Parietaria pensylvanica</i>	Pennsylvania pellitory	A-FORB	Urticaceae
PARGLA	10	<i>Parnassia glauca</i>	Grass-of-parnassus	P-FORB	Saxifragaceae
PARPAL	10	<i>Parnassia palustris</i>	Northern grass-of-parnassus	P-FORB	Saxifragaceae
PARPAR	8	<i>Parnassia parviflora</i>	Smallflower grass-of-parnassus	P-FORB	Saxifragaceae
PARDEP	7	<i>Paronychia depressa</i>	Spreading nailwort	P-FORB	Caryophyllaceae
PARSES	7	<i>Paronychia sessiliflora</i>	Whitlowwort	P-FORB	Caryophyllaceae
PARQUI	2	<i>Parthenocissus quinquefolia</i>	Virginia creeper	W-VINE	Vitaceae
PARVIT	2	<i>Parthenocissus vitacea</i>	Thicket creeper	W-VINE	Vitaceae
PASSAT	*	PASTINACA SATIVA	Wild parsnip	B-FORB	Apiaceae
PEDCAN	10	<i>Pedicularis canadensis</i>	Wood betony	P-FORB	Scrophulariaceae
PEDLAN	10	<i>Pedicularis lanceolata</i>	Swamp lousewort	P-FORB	Scrophulariaceae
PELATR	10	<i>Pellaea atropurpurea</i>	Purplestem cliffbrake	FERN	Polypodiaceae
PELGLG	10	<i>Pellaea glabella</i> var. <i>glabella</i>	Smooth cliffbrake	FERN	Polypodiaceae
PELGLO	10	<i>Pellaea glabella</i> var. <i>occidentalis</i>	Dwarf cliffbrake	FERN	Polypodiaceae
PENALB	7	<i>Penstemon albidus</i>	White beardtongue	P-FORB	Scrophulariaceae
PENANG	9	<i>Penstemon angustifolius</i> var. <i>angustifolius</i>	Narrow beardtongue	P-FORB	Scrophulariaceae
PENDIG	*	PENSTEMON DIGITALIS	Smooth penstemon	P-FORB	Scrophulariaceae
PENERI	10	<i>Penstemon eriantherus</i>	Crested beardtongue	P-FORB	Scrophulariaceae
PENGLA	7	<i>Penstemon glaber</i>	Sawsepal penstemon	P-FORB	Scrophulariaceae
PENGRG	6	<i>Penstemon gracilis</i>	Slender beardtongue	P-FORB	Scrophulariaceae
PENGRN	5	<i>Penstemon grandiflorus</i>	Large beardtongue	P-FORB	Scrophulariaceae
PENHAY	10	<i>Penstemon haydenii</i>	Hayden's penstemon	P-FORB	Scrophulariaceae
PENNIT	7	<i>Penstemon nitidus</i>	Waxleaf penstemon	P-FORB	Scrophulariaceae
PENPRO	10	<i>Penstemon procerus</i>	Littleflower penstemon	P-FORB	Scrophulariaceae
PENSED	3	<i>Penthorum sedoides</i>	Ditch stonecrop	P-FORB	Crassulaceae
PETFRI	10	<i>Petasites frigidus</i>	Arctic sweet coltsfoot	P-FORB	Asteraceae
PETSAG	10	<i>Petasites sagittatus</i>	Arrowleaf sweet coltsfoot	P-FORB	Asteraceae
PHAHAS	5	<i>Phacelia hastata</i> var. <i>leucophylla</i>	Scorpionweed	P-FORB	Hydrophyllaceae
PHALIN	5	<i>Phacelia linearis</i>	Threadleaf phacelia	A-FORB	Hydrophyllaceae
PHAARU	0	<i>Phalaris arundinacea</i>	Reed canarygrass	P-GRASS	Poaceae
PHACAN	*	PHALARIS CANARIENSIS	Canarygrass	A-GRASS	Poaceae
PHLPRA	*	PHLEUM PRATENSE	Timothy	P-GRASS	Poaceae
PHLALY	9	<i>Phlox alyssifolia</i>	Alyssumleaf phlox	P-FORB	Polemoniaceae
PHLAND	7	<i>Phlox andicola</i>	Plains phlox	P-FORB	Polemoniaceae
PHLDIV	10	<i>Phlox divaricata</i> subsp. <i>laphamii</i>	Blue phlox	P-FORB	Polemoniaceae
PHLHOO	6	<i>Phlox hoodii</i>	Hood's phlox	P-FORB	Polemoniaceae
PHLPIL	10	<i>Phlox pilosa</i> subsp. <i>fulgida</i>	Prairie phlox	P-FORB	Polemoniaceae
PHRAUS	0	<i>Phragmites australis</i>	Common reed	P-GRASS	Poaceae
PHRLEP	8	<i>Phryma leptostachya</i>	Lopseed	P-FORB	Verbenaceae
PHYHET	5	<i>Physalis heterophylla</i>	Clammy groundcherry	P-FORB	Solanaceae
PHYLON	0	<i>Physalis longifolia</i>	Common groundcherry	P-FORB	Solanaceae
PHYPU	8	<i>Physalis pumila</i> subsp. <i>hispida</i>	Prairie groundcherry	P-FORB	Solanaceae
PHYVIR	4	<i>Physalis virginiana</i>	Virginia groundcherry	P-FORB	Solanaceae
PHYBRA	8	<i>Physaria brassicoides</i>	Double bladderpod	P-FORB	Brassicaceae
PHYOPU	8	<i>Physocarpus opulifolius</i>	Ninebark	SHRUB	Rosaceae
PHYLED	8	<i>Physostegia ledinghamii</i>	Ledingham's false dragonhead	P-FORB	Lamiaceae
PHYPAR	7	<i>Physostegia parviflora</i>	Obedient plant	P-FORB	Lamiaceae
PHYVIR	3	<i>Physostegia virginiana</i>	Virginia lionsheart	P-FORB	Lamiaceae
PICOPP	2	<i>Picradeniopsis oppositifolia</i>	Oppositeleaf bahia	P-FORB	Asteraceae
PICWOO	2	<i>Picradeniopsis woodhousei</i>	Woodhouse's bahia	P-FORB	Asteraceae
PICECH	*	PICRIS ECHIOIDES	Ox-tongue	A-FORB	Asteraceae
PILFON	8	<i>Pilea fontana</i>	Clearweed	A-FORB	Urticaceae
PILPUM	4	<i>Pilea pumila</i>	Clearweed	A-FORB	Urticaceae
PINFLE	10	<i>Pinus flexilis</i>	Limber pine	TREE	Pinaceae
PINPON	6	<i>Pinus ponderosa</i>	Ponderosa pine	TREE	Pinaceae
PLASCO	0	<i>Plagiobothrys scouleri</i>	Popcorn-flower	A-FORB	Boraginaceae
PLAEL0	3	<i>Plantago elongata</i>	Slender plantain	A-FORB	Plantaginaceae
PLAERI	5	<i>Plantago eriopoda</i>	Alkali plantain	P-FORB	Plantaginaceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
PLALAN	*	PLANTAGO LANCEOLATA	Buckhorn	P-FORB	Plantaginaceae
PLAMAJ	*	PLANTAGO MAJOR	Common plantain	P-FORB	Plantaginaceae
PLAPAT	1	<i>Plantago patagonica</i>	Patagonian plantain	A-FORB	Plantaginaceae
PLARUG	0	<i>Plantago rugelii</i>	Rugel's plantain	P-FORB	Plantaginaceae
POAANN	*	POA ANNUA	Annual bluegrass	A-GRASS	Poaceae
POAARI	6	<i>Poa arida</i>	Plains bluegrass	P-GRASS	Poaceae
POACAN	8	<i>Poa canbyi</i>	Canby's bluegrass	P-GRASS	Poaceae
POACOM	*	POA COMPRESSA	Canada bluegrass	P-GRASS	Poaceae
POACUS	8	<i>Poa cusickii</i>	Cusick's bluegrass	P-GRASS	Poaceae
POAFEN	8	<i>Poa fendleriana</i>	Muttongrass	P-GRASS	Poaceae
POAGLA	8	<i>Poa glaucifolia</i>	Plains bluegrass	P-GRASS	Poaceae
POAINT	5	<i>Poa interior</i>	Inland bluegrass	P-GRASS	Poaceae
POAJUN	8	<i>Poa juncifolia</i>	Sandberg's bluegrass	P-GRASS	Poaceae
POAPAL	4	<i>Poa palustris</i>	Fowl bluegrass	P-GRASS	Poaceae
POAPRA	*	POA PRATENSIS	Kentucky bluegrass	P-GRASS	Poaceae
POASAN	8	<i>Poa sandbergii</i>	Sandberg's bluegrass	P-GRASS	Poaceae
POASYL	9	<i>Poa sylvestris</i>	Woodland bluegrass	P-GRASS	Poaceae
POLDOD	2	<i>Polanisia dodecandra</i> subsp. <i>trachysperma</i>	Clammy-weed	A-FORB	Capparaceae
POLJAM	3	<i>Polanisia jamesii</i>	Cristatella	A-FORB	Capparaceae
POLALB	5	<i>Polygala alba</i>	White milkwort	P-FORB	Polygalaceae
POLSEN	10	<i>Polygala senega</i>	Seneca snakeroot	P-FORB	Polygalaceae
POLVER	8	<i>Polygala verticillata</i>	Whorled milkwort	A-FORB	Polygalaceae
POLBIF	8	<i>Polygonatum biflorum</i>	Solomon's seal	P-FORB	Liliaceae
POLACH	*	POLYGONUM ACHOREUM	Knotweed	A-FORB	Polygonaceae
POLAME	0	<i>Polygonum amphibium</i> var. <i>emersum</i>	Swamp smartweed	P-FORB	Polygonaceae
POLAMS	6	<i>Polygonum amphibium</i> var. <i>stipulaceum</i>	Water smartweed	P-FORB	Polygonaceae
POLARE	0	<i>Polygonum arenastrum</i>	Knotweed	A-FORB	Polygonaceae
POLAVI	0	<i>Polygonum aviculare</i>	Knotweed	A-FORB	Polygonaceae
POLBIC	0	<i>Polygonum bicornue</i>	Pink smartweed	A-FORB	Polygonaceae
POLBUX	0	<i>Polygonum buxiforme</i>	Knotweed	A-FORB	Polygonaceae
POLCON	*	POLYGONUM CONVULVULUS	Wild buckwheat	H-VINE	Polygonaceae
POLDOU	3	<i>Polygonum douglasii</i>	Knotweed	A-FORB	Polygonaceae
POLERE	0	<i>Polygonum erectum</i>	Erect knotweed	A-FORB	Polygonaceae
POLHYR	*	POLYGONUM HYDROPIPER	Water pepper	A-FORB	Polygonaceae
POLHYO	7	<i>Polygonum hydropiperoides</i>	Mild water pepper	P-FORB	Polygonaceae
POLLAP	1	<i>Polygonum lapathifolium</i>	Pale smartweed	A-FORB	Polygonaceae
POLNEG	*	POLYGONUM NEGLECTUM	Knotweed	A-FORB	Polygonaceae
POLPEN	0	<i>Polygonum pensylvanicum</i>	Pennsylvania smartweed	A-FORB	Polygonaceae
POLPER	*	POLYGONUM PERSICARIA	Lady's thumb	A-FORB	Polygonaceae
POLPUN	7	<i>Polygonum punctatum</i>	Water smartweed	P-FORB	Polygonaceae
POLRAM	3	<i>Polygonum ramosissimum</i>	Bushy knotweed	A-FORB	Polygonaceae
POLSAG	9	<i>Polygonum sagittatum</i>	Tear-thumb	A-FORB	Polygonaceae
POLSCA	0	<i>Polygonum scandens</i>	Climbing false buckwheat	H-VINE	Polygonaceae
POLTEN	7	<i>Polygonum tenue</i>	Knotweed	A-FORB	Polygonaceae
POLHES	10	<i>Polypodium hesperium</i>	Western polypody	FERN	Polypodiaceae
POLVIR	7	<i>Polypodium virginianum</i>	Common polypody	FERN	Polypodiaceae
POLMON	*	POLYPOGON MONSPELIENSIS	Rabbitfoot grass	A-GRASS	Poaceae
POPALB	*	POPULUS ALBA	Silver poplar	TREE	Salicaceae
POPANG	4	<i>Populus angustifolia</i>	Narrowleaf cottonwood	TREE	Salicaceae
POPBAL	6	<i>Populus balsamifera</i>	Balsam poplar	TREE	Salicaceae
POPDEL	3	<i>Populus deltoides</i> subsp. <i>monilifera</i>	Cottonwood	TREE	Salicaceae
POPGRA	6	<i>Populus grandidentata</i>	Bigtooth aspen	TREE	Salicaceae
POPNG	*	POPULUS NIGRA	Black poplar	TREE	Salicaceae
POPTRE	4	<i>Populus tremuloides</i>	Quaking aspen	TREE	Salicaceae
POPACU	3	<i>Populus x acuminata</i>	Lanceleaf cottonwood	TREE	Salicaceae
POPCAD	*	POPULUS X CANADENSIS	Carolina poplar	TREE	Salicaceae
POPCAS	*	POPULUS X CANESCENS	Gray poplar	TREE	Salicaceae
POPJAC	*	POPULUS X JACKII	Balm-of-gilead	TREE	Salicaceae
POROLE	*	PORTULACA OLERACEA	Common purslane	A-FORB	Portulacaceae
POTAMP	8	<i>Potamogeton amplifolius</i>	Largeleaf pondweed	P-FORB	Potamogetonaceae
POTCRI	*	POTAMOGETON CRISPUS	Curly muckweed	P-FORB	Potamogetonaceae
POTDIV	4	<i>Potamogeton diversifolius</i>	Waterthread pondweed	P-FORB	Potamogetonaceae
POTFIL	9	<i>Potamogeton filiformis</i>	Slender pondweed	P-FORB	Potamogetonaceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
POTFOL	2	<i>Potamogeton foliosus</i>	Leafy pondweed	P-FORB	Potamogetonaceae
POTFRI	8	<i>Potamogeton friesii</i>	Fries' pondweed	P-FORB	Potamogetonaceae
POTGRA	6	<i>Potamogeton gramineus</i>	Variable pondweed	P-FORB	Potamogetonaceae
POTILL	8	<i>Potamogeton illinoensis</i>	Illinois pondweed	P-FORB	Potamogetonaceae
POTNAT	10	<i>Potamogeton natans</i>	Floatingleaf pondweed	P-FORB	Potamogetonaceae
POTNOD	4	<i>Potamogeton nodosus</i>	Longleaf pondweed	P-FORB	Potamogetonaceae
POTPEC	0	<i>Potamogeton pectinatus</i>	Sago pondweed	P-FORB	Potamogetonaceae
POTPRA	10	<i>Potamogeton praelongus</i>	Whitestem pondweed	P-FORB	Potamogetonaceae
POTPUP	2	<i>Potamogeton pusillus</i> var. <i>pusillus</i>	Baby pondweed	P-FORB	Potamogetonaceae
POTPUT	5	<i>Potamogeton pusillus</i> var. <i>tenuissimus</i>	Baby pondweed	P-FORB	Potamogetonaceae
POTRIC	4	<i>Potamogeton richardsonii</i>	Claspingleaf pondweed	P-FORB	Potamogetonaceae
POTSTR	10	<i>Potamogeton strictifolius</i>	Narrowleaf pondweed	P-FORB	Potamogetonaceae
POTVAG	10	<i>Potamogeton vaginatus</i>	Sheathed pondweed	P-FORB	Potamogetonaceae
POTZOS	7	<i>Potamogeton zosteriformis</i>	Flatstem pondweed	P-FORB	Potamogetonaceae
POTANS	2	<i>Potentilla anserina</i>	Silverweed	P-FORB	Rosaceae
POTARE	*	POTENTILLA ARGENTEA	Silvery cinquefoil	P-FORB	Rosaceae
POTARU	8	<i>Potentilla arguta</i>	Tall cinquefoil	P-FORB	Rosaceae
POTCON	8	<i>Potentilla concinna</i>	Elegant cinquefoil	P-FORB	Rosaceae
POTFRU	5	<i>Potentilla fruticosa</i>	Shrubby cinquefoil	SHRUB	Rosaceae
POGRAC	5	<i>Potentilla gracilis</i>	Slender cinquefoil	P-FORB	Rosaceae
POTHIP	8	<i>Potentilla hippiana</i>	Woolly cinquefoil	P-FORB	Rosaceae
POTNOR	0	<i>Potentilla norvegica</i>	Norwegian cinquefoil	A-FORB	Rosaceae
POTPAR	2	<i>Potentilla paradoxa</i>	Bushy cinquefoil	A-FORB	Rosaceae
POTPEN	9	<i>Potentilla pensylvanica</i>	Pennsylvania cinquefoil	P-FORB	Rosaceae
POTPLA	8	<i>Potentilla plattensis</i>	Platte River cinquefoil	P-FORB	Rosaceae
POTREC	*	POTENTILLA RECTA	Sulphur cinquefoil	P-FORB	Rosaceae
POTRIV	3	<i>Potentilla rivalis</i>	Brook cinquefoil	A-FORB	Rosaceae
PREALB	10	<i>Prenanthes alba</i>	White rattlesnake-root	P-FORB	Asteraceae
PREASP	10	<i>Prenanthes aspera</i>	Rough rattlesnake-root	P-FORB	Asteraceae
PRERAC	10	<i>Prenanthes racemosa</i> subsp. <i>multiflora</i>	Glaucous white lettuce	P-FORB	Asteraceae
PRIINC	10	<i>Primula incana</i>	Primrose	P-FORB	Primulaceae
PRUVUL	6	<i>Prunella vulgaris</i> var. <i>lanceolata</i>	Self-heal	P-FORB	Lamiaceae
PRUAME	4	<i>Prunus americana</i>	Wild plum	SHRUB	Rosaceae
PRUMEX	5	<i>Prunus mexicana</i>	Bigtree plum	TREE	Rosaceae
PRUPEN	8	<i>Prunus pensylvanica</i>	Pin cherry	TREE	Rosaceae
PRUPUM	8	<i>Prunus pumila</i> var. <i>besseyi</i>	Sand cherry	SHRUB	Rosaceae
PRUVIR	4	<i>Prunus virginiana</i>	Choke cherry	SHRUB	Rosaceae
PSOARG	4	<i>Psoralea argophylla</i>	Silverleaf scurfpea	P-FORB	Fabaceae
PSOCUS	8	<i>Psoralea cuspidata</i>	Tallbread scurfpea	P-FORB	Fabaceae
PSOESC	9	<i>Psoralea esculenta</i>	Breadroot scurfpea	P-FORB	Fabaceae
PSOLAN	6	<i>Psoralea lanceolata</i>	Lemon scurfpea	P-FORB	Fabaceae
PSOLIN	10	<i>Psoralea linearifolia</i>	Slimleaf scurfpea	P-FORB	Fabaceae
PSOTEN	7	<i>Psoralea tenuiflora</i> var. <i>tenuiflora</i>	Wild alfalfa	P-FORB	Fabaceae
PTEAQU	6	<i>Pteridium aquilinum</i> var. <i>latiusculum</i>	Bracken	FERN	Polypodiaceae
PUCCUS	7	<i>Puccinellia cusickii</i>	Nuttall's alkaligrass	P-GRASS	Poaceae
PUCDIS	*	PUCCINELLIA DISTANS	Weeping alkaligrass	P-GRASS	Poaceae
PUCNUT	4	<i>Puccinellia nuttalliana</i>	Nuttall's alkaligrass	P-GRASS	Poaceae
PYCVIR	6	<i>Pycnanthemum virginianum</i>	Virginia mountain mint	P-FORB	Lamiaceae
PYRASA	8	<i>Pyrola asarifolia</i>	Roundleaf wintergreen	P-FORB	Pyrolaceae
PYRELL	10	<i>Pyrola elliptica</i>	Wild lily-of-the-valley	P-FORB	Pyrolaceae
PYRSEC	8	<i>Pyrola secunda</i>	Oneside wintergreen	P-FORB	Pyrolaceae
PYRIOE	7	<i>Pyrus ioensis</i>	Iowa crab	TREE	Rosaceae
QUEMAC	6	<i>Quercus macrocarpa</i>	Bur oak	TREE	Fagaceae
RANABO	2	<i>Ranunculus abortivus</i>	Early wood buttercup	B-FORB	Ranunculaceae
RANACR	*	RANUNCULUS ACRIS	Tall buttercup	P-FORB	Ranunculaceae
RANCAR	8	<i>Ranunculus cardiophyllus</i>	Heartleaf buttercup	P-FORB	Ranunculaceae
RANCYM	3	<i>Ranunculus cymbalaria</i>	Shore buttercup	P-FORB	Ranunculaceae
RANFAS	6	<i>Ranunculus fascicularis</i>	Early buttercup	P-FORB	Ranunculaceae
RANFLB	7	<i>Ranunculus flabellaris</i>	Threadleaf buttercup	P-FORB	Ranunculaceae
RANFLM	4	<i>Ranunculus flammula</i>	Spearwort	P-FORB	Ranunculaceae
RANGLA	8	<i>Ranunculus glaberrimus</i>	Sagebrush buttercup	P-FORB	Ranunculaceae
RANGME	8	<i>Ranunculus gmelinii</i>	Small yellow buttercup	P-FORB	Ranunculaceae
RANHIC	7	<i>Ranunculus hispidus</i> var. <i>caricetorum</i>	Bristly buttercup	P-FORB	Ranunculaceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
RANHIN	7	<i>Ranunculus hispidus</i> var. <i>nitidus</i>	Marsh buttercup	P-FORB	Ranunculaceae
RANLON	7	<i>Ranunculus longirostris</i>	White water crowfoot	P-FORB	Ranunculaceae
RANMAC	4	<i>Ranunculus macounii</i>	Macoun's buttercup	A-FORB	Ranunculaceae
RANPEN	4	<i>Ranunculus pensylvanicus</i>	Bristly crowfoot	A-FORB	Ranunculaceae
RANREC	8	<i>Ranunculus recurvatus</i>	Hooked buttercup	P-FORB	Ranunculaceae
RANRHO	8	<i>Ranunculus rhomboideus</i>	Prairie buttercup	P-FORB	Ranunculaceae
RANSCE	3	<i>Ranunculus sceleratus</i>	Cursed crowfoot	A-FORB	Ranunculaceae
RANSUB	3	<i>Ranunculus subrigidus</i>	White water crowfoot	P-FORB	Ranunculaceae
RAPSAT	*	RAPHANUS SATIVUS	Radish	A-FORB	Brassicaceae
RATCOL	3	<i>Ratibida columnifera</i>	Prairie coneflower	P-FORB	Asteraceae
RATPIN	6	<i>Ratibida pinnata</i>	Grayhead prairie coneflower	P-FORB	Asteraceae
REDFLE	8	<i>Redfieldia flexuosa</i>	Blowout grass	P-GRASS	Poaceae
RHAALN	10	<i>Rhamnus alnifolia</i>	Alder buckthorn	SHRUB	Rhamnaceae
RHACAT	*	RHAMNUS CATHARTICA	Common buckthorn	SHRUB	Rhamnaceae
RHALAN	10	<i>Rhamnus lanceolata</i> var. <i>glabratus</i>	Lanceleaf buckthorn	SHRUB	Rhamnaceae
RHERHA	*	RHEUM RHABARBARUM	Rhubarb	P-FORB	Polygonaceae
RHUARO	7	<i>Rhus aromatica</i>	Fragrant sumac	SHRUB	Anacardiaceae
RHUGLA	4	<i>Rhus glabra</i>	Smooth sumac	SHRUB	Anacardiaceae
RHYCAP	10	<i>Rhynchospora capillacea</i>	Hair beak rush	P-SEDGE	Cyperaceae
RIBAME	7	<i>Ribes americanum</i>	Wild black currant	SHRUB	Grossulariaceae
RIBCEB	7	<i>Ribes cereum</i>	Western red currant	SHRUB	Grossulariaceae
RIBCYN	9	<i>Ribes cynosbati</i>	Dogberry	SHRUB	Grossulariaceae
RIBHIR	7	<i>Ribes hirtellum</i>	Hairy stem gooseberry	SHRUB	Grossulariaceae
RIBMIS	4	<i>Ribes missouriense</i>	Missouri gooseberry	SHRUB	Grossulariaceae
RIBODO	6	<i>Ribes odoratum</i>	Buffalo currant	SHRUB	Grossulariaceae
RIBOXY	5	<i>Ribes oxycanthoides</i>	Bristly gooseberry	SHRUB	Grossulariaceae
RIBTRI	10	<i>Ribes triste</i>	Swamp currant	SHRUB	Grossulariaceae
ROBPSE	*	ROBINA PSEUDO-ACACIA	Black locust	TREE	Fabaceae
RORAUS	*	RORIPPA AUSTRIACA	Austrian yellowcress	P-FORB	Brassicaceae
RORCAL	10	<i>Rorippa calycina</i>	Persistent yellowcress	P-FORB	Brassicaceae
RORCUR	5	<i>Rorippa curvipes</i>	Bluntleaf yellowcress	B-FORB	Brassicaceae
RORPAF	2	<i>Rorippa palustris</i> subsp. <i>glabra</i> var. <i>fernaldiana</i>	Bog yellowcress	A-FORB	Brassicaceae
RORPAG	2	<i>Rorippa palustris</i> subsp. <i>glabra</i> var. <i>glabrata</i>	Bog yellowcress	A-FORB	Brassicaceae
RORPAE	2	<i>Rorippa palustris</i> subsp. <i>hispida</i> var. <i>elongata</i>	Bog yellowcress	A-FORB	Brassicaceae
RORPAH	2	<i>Rorippa palustris</i> subsp. <i>hispida</i> var. <i>hispida</i>	Bog yellowcress	A-FORB	Brassicaceae
RORSIN	4	<i>Rorippa sinuata</i>	Spreading yellowcress	P-FORB	Brassicaceae
RORSYL	*	RORIPPA SYLVESTRIS	Creeping yellowcress	P-FORB	Brassicaceae
RORTEN	6	<i>Rorippa tenerima</i>	Modoc yellowcress	A-FORB	Brassicaceae
RORTRU	6	<i>Rorippa truncata</i>	Bluntleaf yellowcress	A-FORB	Brassicaceae
ROSACI	8	<i>Rosa acicularis</i> subsp. <i>sayi</i>	Prickly wild rose	SHRUB	Rosaceae
ROSARK	3	<i>Rosa arkansana</i>	Prairie wild rose	SHRUB	Rosaceae
ROSLA	8	<i>Rosa blanda</i>	Smooth wild rose	SHRUB	Rosaceae
ROSWOO	5	<i>Rosa woodsii</i>	Western wild rose	SHRUB	Rosaceae
ROTRAM	2	<i>Rotala ramosior</i>	Toothcup	A-FORB	Lythraceae
RUBIDA	5	<i>Rubus idaeus</i>	Red raspberry	SHRUB	Rosaceae
		subsp. <i>sachalinensis</i> var. <i>sachalinensis</i>			
RUBOCC	5	<i>Rubus occidentalis</i>	Black raspberry	SHRUB	Rosaceae
RUBPUB	8	<i>Rubus pubescens</i>	Creeping blackberry	SHRUB	Rosaceae
RUDHIR	5	<i>Rudbeckia hirta</i>	Black-eyed susan	B-FORB	Asteraceae
RUDLAC	6	<i>Rudbeckia laciniata</i>	Golden glow	P-FORB	Asteraceae
RUMACE	*	RUMEX ACETOSELLA	Sheep sorrel	P-FORB	Polygonaceae
RUMALT	2	<i>Rumex altissimus</i>	Pale dock	P-FORB	Polygonaceae
RUMCRI	*	RUMEX CRISPUS	Curly dock	P-FORB	Polygonaceae
RUMDOM	*	RUMEX DOMESTICUS	Yard dock	P-FORB	Polygonaceae
RUMMAR	1	<i>Rumex maritimus</i>	Golden dock	A-FORB	Polygonaceae
RUMMEX	1	<i>Rumex mexicanus</i>	Willow-leaved dock	P-FORB	Polygonaceae
RUMOCC	7	<i>Rumex occidentalis</i>	Western dock	P-FORB	Polygonaceae
RUMORB	9	<i>Rumex orbiculatus</i>	Great water dock	P-FORB	Polygonaceae
RUMPAT	*	RUMEX PATIENTIA	Patience dock	P-FORB	Polygonaceae
RUMSTE	*	RUMEX STENOPHYLLUS	Eurasian dock	P-FORB	Polygonaceae
RUMVEN	3	<i>Rumex venosus</i>	Wild begonia	P-FORB	Polygonaceae
RUPMAR	6	<i>Ruppia maritima</i>	Widgeon grass	P-FORB	Ruppiaceae
SAGBRE	4	<i>Sagittaria brevirostra</i>	Arrowhead	P-FORB	Alismataceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
SAGCAL	5	<i>Sagittaria calycina</i>	Arrowhead	A-FORB	Alismataceae
SAGCUN	6	<i>Sagittaria cuneata</i>	Arrowhead	P-FORB	Alismataceae
SAGGRA	10	<i>Sagittaria graminea</i>	Grassleaf arrowhead	P-FORB	Alismataceae
SAGLAT	6	<i>Sagittaria latifolia</i>	Common arrowhead	P-FORB	Alismataceae
SALRUB	0	<i>Salicornia rubra</i>	Saltwort	A-FORB	Chenopodiaceae
SALALB	*	SALIX ALBA VAR. VITELLINA	Yellowstem white willow	TREE	Salicaceae
SALAMY	3	<i>Salix amygdaloides</i>	Peachleaf willow	TREE	Salicaceae
SALBEB	8	<i>Salix bebbiana</i>	Beaked willow	SHRUB	Salicaceae
SALCAN	10	<i>Salix candida</i>	Hoary willow	SHRUB	Salicaceae
SALDIS	7	<i>Salix discolor</i>	Pussy willow	SHRUB	Salicaceae
SALERI	5	<i>Salix eriocephala</i>	Diamond willow	SHRUB	Salicaceae
SALEXE	3	<i>Salix exigua</i> subsp. <i>exigua</i>	Coyote willow	SHRUB	Salicaceae
SALEXI	3	<i>Salix exigua</i> subsp. <i>interior</i>	Sandbar willow	SHRUB	Salicaceae
SALFRA	*	SALIX FRAGILIS	Crack willow	TREE	Salicaceae
SALHUM	9	<i>Salix humilis</i>	Prairie willow	SHRUB	Salicaceae
SALLUC	10	<i>Salix lucida</i>	Shining willow	SHRUB	Salicaceae
SALLUT	5	<i>Salix lutea</i>	Yellow willow	SHRUB	Salicaceae
SALMAC	10	<i>Salix maccalliana</i>	McCalla's willow	SHRUB	Salicaceae
SALPED	10	<i>Salix pedicellaris</i>	Bog willow	SHRUB	Salicaceae
SALPEN	*	SALIX PENTANDRA	Laurelleaf willow	SHRUB	Salicaceae
SALPET	8	<i>Salix petiolaris</i>	Meadow willow	SHRUB	Salicaceae
SALSER	8	<i>Salix serissima</i>	Autumn willow	SHRUB	Salicaceae
SALCOL	*	SALSOLA COLLINA	Tumbleweed	A-FORB	Chenopodiaceae
SALIBE	*	SALSOLA IBERICA	Russian thistle	A-FORB	Chenopodiaceae
SALNEM	*	SALVIA NEMOROSA	Sage	P-FORB	Lamiaceae
SALREF	0	<i>Salvia reflexa</i>	Lance-leaved sage	A-FORB	Lamiaceae
SAMCAN	4	<i>Sambucus canadensis</i>	Common elderberry	SHRUB	Caprifoliaceae
SAMRAC	10	<i>Sambucus racemosa</i> subsp. <i>pubens</i>	Stinking elderberry	SHRUB	Caprifoliaceae
SANCAD	10	<i>Sanguinaria canadensis</i>	Bloodroot	P-FORB	Papaveraceae
SANCAE	7	<i>Sanicula canadensis</i>	Canada sanicle	B-FORB	Apiaceae
SANGRE	8	<i>Sanicula gregaria</i>	Cluster sanicle	P-FORB	Apiaceae
SANMAR	7	<i>Sanicula marilandica</i>	Black snakeroot	P-FORB	Apiaceae
SAPOFF	*	SAPONARIA OFFICINALIS	Bouncing bet	P-FORB	Caryophyllaceae
SARVER	5	<i>Sarcobatus vermiculatus</i>	Greasewood	SHRUB	Chenopodiaceae
SCHPAN	1	<i>Schedonnardus paniculatus</i>	Tumblegrass	P-GRASS	Poaceae
SCHPAL	10	<i>Scheuchzeria palustris</i>	Rannoch rush	P-FORB	Scheuchzeriaceae
SCHPUR	8	<i>Schizachne purpurascens</i>	False melic	P-GRASS	Poaceae
SCHNUT	7	<i>Schrankia nuttallii</i>	Catclaw sensitive brier	P-FORB	Mimosaceae
SCIACU	5	<i>Scirpus acutus</i>	Hardstem bulrush	P-SEDGE	Cyperaceae
SCIATC	10	<i>Scirpus atrocinctus</i>	Blackgirdle bulrush	P-SEDGE	Cyperaceae
SCIATV	5	<i>Scirpus atrovirens</i>	Darkgreen bulrush	P-SEDGE	Cyperaceae
SCICYP	10	<i>Scirpus cyperinus</i>	Woolgrass	P-SEDGE	Cyperaceae
SCIFLU	2	<i>Scirpus fluviatilis</i>	River bulrush	P-SEDGE	Cyperaceae
SCIHAL	8	<i>Scirpus hallii</i>	Hall bulrush	A-SEDGE	Cyperaceae
SCIHET	8	<i>Scirpus heterochaetus</i>	Slender bulrush	P-SEDGE	Cyperaceae
SCIMAR	4	<i>Scirpus maritimus</i> var. <i>paludosus</i>	Prairie bulrush	P-SEDGE	Cyperaceae
SCIMIC	8	<i>Scirpus microcarpus</i>	Panicked bulrush	P-SEDGE	Cyperaceae
SCINEV	10	<i>Scirpus nevadensis</i>	Nevada bulrush	P-SEDGE	Cyperaceae
SCIPAL	5	<i>Scirpus pallidus</i>	Cloaked bulrush	P-SEDGE	Cyperaceae
SCIPEN	10	<i>Scirpus pendulus</i>	Rufous bulrush	P-SEDGE	Cyperaceae
SCIPUN	4	<i>Scirpus pungens</i>	Common threesquare	P-SEDGE	Cyperaceae
SCISAX	7	<i>Scirpus saximontanus</i>	Rocky Mountain bulrush	A-SEDGE	Cyperaceae
SCIVAL	3	<i>Scirpus validus</i>	Softstem bulrush	P-SEDGE	Cyperaceae
SCOFES	6	<i>Scolochloa festuacea</i>	Sprangletop	P-GRASS	Poaceae
SCRLAN	5	<i>Scrophularia lanceolata</i>	Figwort	P-FORB	Scrophulariaceae
SCRMAR	10	<i>Scrophularia marilandica</i>	Maryland figwort	P-FORB	Scrophulariaceae
SCUGAL	7	<i>Scutellaria galericulata</i>	Marsh skullcap	P-FORB	Lamiaceae
SCULAT	6	<i>Scutellaria lateriflora</i>	Maddog skullcap	P-FORB	Lamiaceae
SCUPAR	10	<i>Scutellaria parvula</i> var. <i>leonardii</i>	Leonard's small skullcap	P-FORB	Lamiaceae
SEDLAN	9	<i>Sedum lanceolatum</i>	Spearleaf stonecrop	P-FORB	Crassulaceae
SELDEN	6	<i>Selaginella densa</i>	Small clubmoss	FERN	Selaginellaceae
SELRUP	10	<i>Selaginella rupestris</i>	Rock spikemoss	FERN	Selaginellaceae
SENCAN	8	<i>Senecio canus</i>	Gray ragwort	P-FORB	Asteraceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
SENCN	2	<i>Senecio congestus</i>	Swamp ragwort	A-FORB	Asteraceae
SENER	10	<i>Senecio eremophilus</i>	Desert ragwort	P-FORB	Asteraceae
SENINT	7	<i>Senecio integerrimus</i>	Lambstongue ragwort	B-FORB	Asteraceae
SENPAL	8	<i>Senecio pauperculus</i>	Balsam groundsel	P-FORB	Asteraceae
SENPLA	6	<i>Senecio plattensis</i>	Prairie ragwort	B-FORB	Asteraceae
SENPSE	5	<i>Senecio pseudolaureus</i> var. <i>semicordatus</i>	Falsegold groundsel	P-FORB	Asteraceae
SENRI	5	<i>Senecio riddellii</i>	Riddell ragwort	SHRUB	Asteraceae
SENSPA	6	<i>Senecio spartioides</i>	Broomlike ragwort	SHRUB	Asteraceae
SENTRI	8	<i>Senecio tridenticulatus</i>	Threetooth ragwort	P-FORB	Asteraceae
SENVUL	*	SENECIO VULGARIS	Groundsel	A-FORB	Asteraceae
SETFAB	*	SETARIA FABERI	Chinese foxtail	A-GRASS	Poaceae
SETGLA	*	SETARIA GLAUCA	Yellow foxtail	A-GRASS	Poaceae
SETITA	*	SETARIA ITALICA	Foxtail millet	A-GRASS	Poaceae
SETVER	*	SETARIA VERTICILLATA	Bristly foxtail	A-GRASS	Poaceae
SETVIR	*	SETARIA VIRIDIS	Green foxtail	A-GRASS	Poaceae
SHEARG	5	<i>Shepherdia argentea</i>	Buffaloberry	SHRUB	Elaeagnaceae
SHECAN	6	<i>Shepherdia canadensis</i>	Rabbitberry	SHRUB	Elaeagnaceae
SHIROS	10	<i>Shinnersoseris rostrata</i>	Beaked skeletonweed	A-FORB	Asteraceae
SICANG	2	<i>Sicyos angulatus</i>	Bur cucumber	H-VINE	Cucurbitaceae
SILANT	3	<i>Silene antirrhina</i>	Sleepy catchfly	A-FORB	Caryophyllaceae
SILCSE	*	SILENE CSEREI	Smooth catchfly	B-FORB	Caryophyllaceae
SILDIC	*	SILENE DICHOTOMA	Forked catchfly	A-FORB	Caryophyllaceae
SILDRU	5	<i>Silene drummondii</i>	Drummond's campion	P-FORB	Caryophyllaceae
SILNOC	*	SILENE NOCTIFLORA	Night-flowering catchfly	A-FORB	Caryophyllaceae
SILPRA	*	SILENE PRATENSIS	White campion	P-FORB	Caryophyllaceae
SILSTE	7	<i>Silene stellata</i>	Starry campion	P-FORB	Caryophyllaceae
SILVUL	*	SILENE VULGARIS	Bladder campion	P-FORB	Caryophyllaceae
SILLAC	8	<i>Silphium laciniatum</i>	Compass plant	P-FORB	Asteraceae
SILPER	6	<i>Silphium perfoliatum</i>	Cup plant	P-FORB	Asteraceae
SISALT	*	SISYMBRIUM ALTISSIMUM	Tumbling mustard	A-FORB	Brassicaceae
SISLOE	*	SISYMBRIUM LOESELII	Tall hedge mustard	A-FORB	Brassicaceae
SISOFF	*	SISYMBRIUM OFFICINALE	Hedge mustard	A-FORB	Brassicaceae
SISCAM	10	<i>Sisyrinchium campestre</i>	White-eyed grass	P-FORB	Iridaceae
SISMON	8	<i>Sisyrinchium montanum</i>	Strict blue-eyed grass	P-FORB	Iridaceae
SISMUC	10	<i>Sisyrinchium mucronatum</i>	Needletip blue-eyed grass	P-FORB	Iridaceae
SITHYS	6	<i>Sitanion hystrix</i> var. <i>brevifolium</i>	Squirreltail	P-GRASS	Poaceae
SISUA	3	<i>Sium suave</i>	Water parsnip	P-FORB	Apiaceae
SMIRAC	9	<i>Smilacina racemosa</i>	False spikenard	P-FORB	Liliaceae
SMISTE	5	<i>Smilacina stellata</i>	Spikenard	P-FORB	Liliaceae
SMIECI	8	<i>Smilax ecirrata</i>	Greenbrier	P-FORB	Smilacaceae
SMIHER	8	<i>Smilax herbacea</i> var. <i>lasioneura</i>	Carrion-flower	H-VINE	Smilacaceae
SMIHIS	8	<i>Smilax hispida</i>	Bristly greenbrier	W-VINE	Smilacaceae
SOLCAR	0	<i>Solanum carolinense</i>	Carolina horsenettle	P-FORB	Solanaceae
SOLDUL	*	SOLANUM DULCAMARA	Climbing nightshade	P-FORB	Solanaceae
SOLINT	1	<i>Solanum interius</i>	Plains black nightshade	P-FORB	Solanaceae
SOLPTY	0	<i>Solanum ptycanthum</i>	Black nightshade	A-FORB	Solanaceae
SOLROS	0	<i>Solanum rostratum</i>	Buffalo bur	A-FORB	Solanaceae
SOLSAR	*	SOLANUM SARRACHOIDES	Viscid nightshade	A-FORB	Solanaceae
SOLTRI	0	<i>Solanum triflorum</i>	Cutleaf nightshade	A-FORB	Solanaceae
SOLCAC	1	<i>Solidago canadensis</i> var. <i>canadensis</i>	Canada goldenrod	P-FORB	Asteraceae
SOLCAG	1	<i>Solidago canadensis</i> var. <i>gilvocanescens</i>	Canada goldenrod	P-FORB	Asteraceae
SOLCAH	1	<i>Solidago canadensis</i> var. <i>hageri</i>	Canada goldenrod	P-FORB	Asteraceae
SOLCAL	1	<i>Solidago canadensis</i> var. <i>salebrosa</i>	Canada goldenrod	P-FORB	Asteraceae
SOLCAB	1	<i>Solidago canadensis</i> var. <i>scabra</i>	Canada goldenrod	P-FORB	Asteraceae
SOLFLE	10	<i>Solidago flexicaulis</i>	Broadleaf goldenrod	P-FORB	Asteraceae
SOLGIG	4	<i>Solidago gigantea</i>	Late goldenrod	P-FORB	Asteraceae
SOLMIS	5	<i>Solidago missouriensis</i>	Prairie goldenrod	P-FORB	Asteraceae
SOLMOL	6	<i>Solidago mollis</i>	Soft goldenrod	P-FORB	Asteraceae
SOLNEM	6	<i>Solidago nemoralis</i>	Gray goldenrod	P-FORB	Asteraceae
SOLPTA	8	<i>Solidago ptarmicoides</i>	Sneezewort aster	P-FORB	Asteraceae
SOLRID	10	<i>Solidago riddellii</i>	Riddell's goldenrod	P-FORB	Asteraceae
SOLRIG	4	<i>Solidago rigida</i>	Rigid goldenrod	P-FORB	Asteraceae
SOLSPE	10	<i>Solidago speciosa</i>	Showy-wand goldenrod	P-FORB	Asteraceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
SONARV	*	SONCHUS ARVENSIS	Field sow thistle	P-FORB	Asteraceae
SONASP	*	SONCHUS ASPER	Prickly sow thistle	A-FORB	Asteraceae
SONOLE	*	SONCHUS OLERACEUS	Common sow thistle	A-FORB	Asteraceae
SOPNUT	6	<i>Sophora nuttalliana</i>	White loco	P-FORB	Fabaceae
SORNUT	6	<i>Sorghastrum nutans</i>	Indian grass	P-GRASS	Poaceae
SORHAL	*	SORGHUM HALEPENSE	Johnson-grass	P-GRASS	Poaceae
SPACHL	8	<i>Sparganium chlorocarpum</i>	Greenfruit burreed	P-FORB	Sparganiaceae
SPAEUR	4	<i>Sparganium eurycarpum</i>	Giant burreed	P-FORB	Sparganiaceae
SPAGRA	6	<i>Spartina gracilis</i>	Alkali cordgrass	P-GRASS	Poaceae
SPAPEC	5	<i>Spartina pectinata</i>	Prairie cordgrass	P-GRASS	Poaceae
SPEARV	*	SPERGULA ARVENSIS	Corn spurry	A-FORB	Caryophyllaceae
SPEMAR	*	SPERGULARIA MARINA	Salt-marsh sand spurry	A-FORB	Caryophyllaceae
SPHCOC	4	<i>Sphaeralcea coccinea</i>	Red false mallow	P-FORB	Malvaceae
SPHOBM	7	<i>Sphenopholis obtusata</i> var. <i>major</i>	Slender wedgegrass	A-GRASS	Poaceae
SPHOB0	7	<i>Sphenopholis obtusata</i> var. <i>obtusata</i>	Prairie wedgegrass	A-GRASS	Poaceae
SPIALB	7	<i>Spiraea alba</i>	Meadow-sweet	SHRUB	Rosaceae
SPICER	8	<i>Spiranthes cernua</i>	Ladies'-tresses	P-FORB	Orchidaceae
SPIMAG	8	<i>Spiranthes magnicamporum</i>	Great Plains ladies'-tresses	P-FORB	Orchidaceae
SPIROM	9	<i>Spiranthes romanzoffiana</i>	Hooded ladies'-tresses	P-FORB	Orchidaceae
SPIVER	8	<i>Spiranthes vernalis</i>	Twisted ladies'-tresses	P-FORB	Orchidaceae
SPIPOL	3	<i>Spirodela polyrhiza</i>	Greater duckweed	P-FORB	Lemnaceae
SPOAIR	5	<i>Sporobolus airoides</i>	Alkali sacaton	P-GRASS	Poaceae
SPOASP	4	<i>Sporobolus aspervar. asper</i>	Rough dropseed	P-GRASS	Poaceae
SPOCRY	6	<i>Sporobolus cryptandrus</i>	Sand dropseed	P-GRASS	Poaceae
SPOHET	10	<i>Sporobolus heterolepis</i>	Prairie dropseed	P-GRASS	Poaceae
SPONEG	0	<i>Sporobolus neglectus</i>	Poverty grass	A-GRASS	Poaceae
STAPAL	3	<i>Stachys palustris</i> subsp. <i>pilosa</i>	Hedge-nettle	P-FORB	Lamiaceae
STATEN	8	<i>Stachys tenuifolia</i>	Thinleaf betony	P-FORB	Lamiaceae
STAPIN	8	<i>Stanleya pinnata</i> var. <i>pinnata</i>	Prince's plume	SHRUB	Brassicaceae
STECRA	9	<i>Stellaria crassifolia</i>	Fleshy stitchwort	P-FORB	Caryophyllaceae
STELOF	8	<i>Stellaria longifolia</i>	Longleaf stitchwort	P-FORB	Caryophyllaceae
STEL0P	9	<i>Stellaria longipes</i>	Longstalk stitchwort	P-FORB	Caryophyllaceae
STEMED	*	STELLARIA MEDIA	Common chickweed	A-FORB	Caryophyllaceae
STICOM	6	<i>Stipa comata</i>	Needle-and-thread	P-GRASS	Poaceae
STICUR	6	<i>Stipa curisetata</i>	Needlegrass	P-GRASS	Poaceae
STISPA	8	<i>Stipa spartea</i>	Porcupinegrass	P-GRASS	Poaceae
STIVIR	5	<i>Stipa viridula</i>	Green needlegrass	P-GRASS	Poaceae
STRHEL	7	<i>Strophostyles helvula</i>	Trailing wild bean	A-FORB	Fabaceae
STRLEI	6	<i>Strophostyles leiosperma</i>	Slickseed bean	A-FORB	Fabaceae
SUADEP	2	<i>Suaeda depressa</i>	Sea blite	A-FORB	Chenopodiaceae
SUAMOQ	1	<i>Suaeda moquinii</i>	Seepweed	SHRUB	Chenopodiaceae
SUCSUC	1	<i>Suckleya suckleyana</i>	Poison suckleya	A-FORB	Chenopodiaceae
SYMALB	8	<i>Symphoricarpos albus</i>	White coralberry	SHRUB	Caprifoliaceae
SYM0CC	3	<i>Symphoricarpos occidentalis</i>	Western snowberry	SHRUB	Caprifoliaceae
TALPAR	8	<i>Talinum parviflorum</i>	Prairie flameflower	P-FORB	Portulacaceae
TAMRAM	*	TAMARIX RAMOSISSIMA	Salt cedar	SHRUB	Tamaricaceae
TANVUL	*	TANACETUM VULGARE	Common tansy	P-FORB	Asteraceae
TARLAE	*	TARAXACUM LAEVIGATUM	Red-seeded dandelion	P-FORB	Asteraceae
TAROFF	*	TARAXACUM OFFICINALE	Common dandelion	P-FORB	Asteraceae
TEUCAN	3	<i>Teucrium canadense</i> var. <i>boreale</i>	Wood sage	P-FORB	Lamiaceae
THADAS	7	<i>Thalictrum dasycarpum</i>	Purple meadow rue	P-FORB	Ranunculaceae
THADIO	7	<i>Thalictrum dioicum</i>	Quicksilver-weed	P-FORB	Ranunculaceae
THAVEN	6	<i>Thalictrum venulosum</i>	Early meadow rue	P-FORB	Ranunculaceae
THEFIL	2	<i>Thelesperma filifolium</i> var. <i>intermedium</i>	Stiff greenthread	A-FORB	Asteraceae
THEMAR	10	<i>Thelesperma marginatum</i>	Navajo tea	P-FORB	Asteraceae
THEINT	7	<i>Thelypodium integrifolium</i>	Entireleaved thelypody	B-FORB	Brassicaceae
THEPAL	8	<i>Thelypteris palustris</i>	Marsh fern	FERN	Polypodiaceae
THERHO	6	<i>Thermopsis rhombifolia</i>	Prairie buck bean	P-FORB	Fabaceae
THLARV	*	THLASPI ARVENSE	Field pennycress	A-FORB	Brassicaceae
TILAME	7	<i>Tilia americana</i>	American linden	TREE	Tiliaceae
TOFGLU	10	<i>Tofieldia glutinosa</i>	Sticky false asphodel	P-FORB	Liliaceae
TOWEXS	8	<i>Townsendia exscapa</i>	Stemless townsend daisy	P-FORB	Asteraceae
TOWGRA	8	<i>Townsendia grandiflora</i>	Largeflower townsend daisy	B-FORB	Asteraceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
TOWHOO	8	<i>Townsendia hookeri</i>	Hooker's townsend daisy	P-FORB	Asteraceae
TOXRYD	3	<i>Toxicodendron rydbergii</i>	Poison ivy	SHRUB	Anacardiaceae
TRABRA	7	<i>Tradescantia bracteata</i>	Spiderwort	P-FORB	Commelinaceae
TRAOCC	5	<i>Tradescantia occidentalis</i>	Prairie spiderwort	P-FORB	Commelinaceae
TRADUB	*	TRAGOPOGON DUBIUS	Goat's beard	B-FORB	Asteraceae
TRAPRA	*	TRAGOPOGON PRATENSIS	Meadow salsify	B-FORB	Asteraceae
TRIFRA	10	<i>Triadenum fraseri</i>	Marsh St. John's-wort	P-FORB	Clusiaceae
TRITER	*	TRIBULUS TERRESTRIS	Puncture vine	A-FORB	Zygophyllaceae
TRIBRA	10	<i>Trichostema brachiatum</i>	False pennyroyal	A-FORB	Lamiaceae
TRIARV	*	TRIFOLIUM ARVENSE	Rabbit-foot clover	A-FORB	Fabaceae
TRIBEC	9	<i>Trifolium beckwithii</i>	Beckwith's clover	P-FORB	Fabaceae
TRICAM	*	TRIFOLIUM CAMPESTRE	Low hopclover	A-FORB	Fabaceae
TRIDUB	*	TRIFOLIUM DUBIUM	Small hopclover	A-FORB	Fabaceae
TRIHBY	*	TRIFOLIUM HYBRIDUM	Alsike clover	P-FORB	Fabaceae
TRIINC	*	TRIFOLIUM INCARNATUM	Crimson clover	A-FORB	Fabaceae
TRIPRA	*	TRIFOLIUM PRATENSE	Red clover	P-FORB	Fabaceae
TRIREF	*	TRIFOLIUM REPENS	White clover	P-FORB	Fabaceae
TRIRES	*	TRIFOLIUM RESUPINATUM	Persian clover	A-FORB	Fabaceae
TRICON	8	<i>Triglochin concinna</i> var. <i>debilis</i>	Seaside arrowgrass	P-FORB	Juncaginaceae
TRIMAR	5	<i>Triglochin maritima</i> var. <i>elata</i>	Seaside arrowgrass	P-FORB	Juncaginaceae
TRIPAL	8	<i>Triglochin palustris</i>	Marsh arrowgrass	P-FORB	Juncaginaceae
TRICER	10	<i>Trillium cernuum</i>	Nodding trillium	P-FORB	Liliaceae
TRINIV	10	<i>Trillium nivale</i>	Dwarf white trillium	P-FORB	Liliaceae
TRILEP	8	<i>Triodanis leptocarpa</i>	Stimpod Venus' looking-glass	A-FORB	Campanulaceae
TRIPER	6	<i>Triodanis perfoliata</i>	Clasping Venus' looking-glass	A-FORB	Campanulaceae
TRIPUR	9	<i>Triplasis purpurea</i>	Sandgrass	A-GRASS	Poaceae
TRIMIC	7	<i>Tripterocalyx micranthus</i>	Sand puffs	A-FORB	Nyctaginaceae
TYPANG	*	TYPHA ANGUSTIFOLIA	Narrowleaf cattail	P-FORB	Typhaceae
TYPLAT	2	<i>Typha latifolia</i>	Broadleaf cattail	P-FORB	Typhaceae
TYPGLA	*	TYPHA X GLAUCA	Hybrid cattail	P-FORB	Typhaceae
ULMAME	3	<i>Ulmus americana</i>	American elm	TREE	Ulmaceae
ULMPUM	*	ULMUS PUMILA	Siberian elm	TREE	Ulmaceae
ULMRUB	5	<i>Ulmus rubra</i>	Slippery elm	TREE	Ulmaceae
ULMTHO	10	<i>Ulmus thomasii</i>	Rock elm	TREE	Ulmaceae
URTDIO	0	<i>Urtica dioica</i>	Stinging nettle	P-FORB	Urticaceae
UTRINT	10	<i>Utricularia intermedia</i>	Flatleaf bladderwort	P-FORB	Lentibulariaceae
UTRMIN	10	<i>Utricularia minor</i>	Lesser bladderwort	P-FORB	Lentibulariaceae
UTRVUL	2	<i>Utricularia vulgaris</i>	Common bladderwort	P-FORB	Lentibulariaceae
UVUGRA	10	<i>Uvularia grandiflora</i>	Large bellwort	P-FORB	Liliaceae
UVUSES	10	<i>Uvularia sessilifolia</i>	Small bellwort	P-FORB	Liliaceae
VACPYR	*	VACCARIA PYRAMIDATA	Cow-cockle	A-FORB	Caryophyllaceae
VALAME	10	<i>Vallisneria americana</i>	Tapegrass	P-FORB	Hydrocharitaceae
VERTHA	*	VERBASCUM THAPSUS	Common mullein	B-FORB	Scrophulariaceae
VERBIP	2	<i>Verbena bipinnatifida</i>	Dakota vervain	P-FORB	Verbenaceae
VERBRA	0	<i>Verbena bracteata</i>	Prostrate vervain	A-FORB	Verbenaceae
VERHAS	5	<i>Verbena hastata</i>	Blue vervain	P-FORB	Verbenaceae
VERSTR	2	<i>Verbena stricta</i>	Hoary vervain	P-FORB	Verbenaceae
VERURT	3	<i>Verbena urticifolia</i>	Nettleleaf vervain	P-FORB	Verbenaceae
VERENC	*	VERBESINA ENCELIODES SUBSP. EXAURICULATA	Golden crownbeard	A-FORB	Asteraceae
VERFAS	3	<i>Vernonia fasciculata</i> var. <i>corymbosa</i>	Ironweed	P-FORB	Asteraceae
VERAME	5	<i>Veronica americana</i>	Brooklime speedwell	P-FORB	Scrophulariaceae
VERANA	*	VERONICA ANAGALLIS-AQUATICA	Water speedwell	P-FORB	Scrophulariaceae
VERARV	*	VERONICA ARVENSIS	Corn speedwell	A-FORB	Scrophulariaceae
VERCAT	2	<i>Veronica catenata</i>	Water speedwell	P-FORB	Scrophulariaceae
VERHED	*	VERONICA HEDERAEFOLIA	Ivyleaf speedwell	A-FORB	Scrophulariaceae
VERLON	*	VERONICA LONGIFOLIA	Garden speedwell	P-FORB	Scrophulariaceae
VEROFF	*	VERONICA OFFICINALIS	Common gypsyweed	P-FORB	Scrophulariaceae
VERPER	0	<i>Veronica peregrina</i>	Purslane speedwell	A-FORB	Scrophulariaceae
VERSCU	10	<i>Veronica scutellata</i>	Marsh speedwell	P-FORB	Scrophulariaceae
VERVIR	10	<i>Veronicastrum virginicum</i>	Culver's root	P-FORB	Scrophulariaceae
VIBLEN	8	<i>Viburnum lentago</i>	Nannyberry	TREE	Caprifoliaceae
VIBOPU	10	<i>Viburnum opulus</i> var. <i>americanum</i>	Highbush cranberry	SHRUB	Caprifoliaceae

Acronym	C	Scientific Name	Common Name	Physiognomy	Family
VIBRAF	10	<i>Viburnum rafinesquianum</i>	Downy arrowwood	SHRUB	Caprifoliaceae
VICAMA	6	<i>Vicia americana</i> var. <i>americana</i>	American vetch	H-VINE	Fabaceae
VICAMM	3	<i>Vicia americana</i> var. <i>minor</i>	American vetch	P-FORB	Fabaceae
VICSAT	*	VICIA SATIVA	Common vetch	A-FORB	Fabaceae
VICVIL	*	VICIA VILLOSA	Hairy vetch	A-FORB	Fabaceae
VIOADU	8	<i>Viola adunca</i>	Hook-spurred violet	P-FORB	Violaceae
VIOCAN	4	<i>Viola canadensis</i> var. <i>rugulosa</i>	Tall white violet	P-FORB	Violaceae
VIONEP	8	<i>Viola nephrophylla</i>	Northern bog violet	P-FORB	Violaceae
VIONUT	8	<i>Viola nuttallii</i>	Yellow prairie violet	P-FORB	Violaceae
VIOPED	8	<i>Viola pedatifida</i>	Prairie violet	P-FORB	Violaceae
VIOPRA	2	<i>Viola pratincola</i>	Blue prairie violet	P-FORB	Violaceae
VIOPUB	9	<i>Viola pubescens</i>	Downy yellow violet	P-FORB	Violaceae
VIOSOR	2	<i>Viola sororia</i>	Downy blue violet	P-FORB	Violaceae
VITRIP	3	<i>Vitis riparia</i>	River-bank grape	W-VINE	Vitaceae
VITVUL	3	<i>Vitis vulpina</i>	Winter grape	W-VINE	Vitaceae
WOLBOR	5	<i>Wolffia borealis</i>	Northern watermeal	P-FORB	Lemnaceae
WOLCOL	5	<i>Wolffia columbiana</i>	Columbian watermeal	P-FORB	Lemnaceae
WOOORE	8	<i>Woodsia oregana</i>	Oregon woodsia	FERN	Polypodiaceae
AGRMAC	3	<i>X Agrohordeum macounii</i>	Macoun's barley	P-GRASS	Poaceae
XANSTR	0	<i>Xanthium strumarium</i>	Cocklebur	A-FORB	Asteraceae
XYLGLA	4	<i>Xylorhiza glabriuscula</i>	Smooth woodyaster	P-FORB	Asteraceae
YUCGLA	6	<i>Yucca glauca</i>	Yucca	SHRUB	Agavaceae
ZANPAL	2	<i>Zannichellia palustris</i>	Horned pondweed	P-FORB	Zannichelliaceae
ZANAME	3	<i>Zanthoxylum americanum</i>	Prickly ash	SHRUB	Rutaceae
ZIGELE	8	<i>Zigadenus elegans</i>	White camass	P-FORB	Liliaceae
ZIGVEN	7	<i>Zigadenus venenosus</i>	Death camass	P-FORB	Liliaceae
ZIZAQU	5	<i>Zizania aquatica</i>	Wild rice	A-GRASS	Poaceae
ZIZAPT	8	<i>Zizia aptera</i>	Meadow parsnip	P-FORB	Apiaceae
ZIZAUR	8	<i>Zizia aurea</i>	Golden alexanders	P-FOB	Apiaceae
ZOSDUB	8	<i>Zosterella dubia</i>	Water stargrass	P-FORB	Pontederiaceae

REPORT DOCUMENTATION PAGE

Form approved
OMB No. 0704-0188

Public reporting burden for this collection is estimated to average 1 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188) Washington, DC 20503.

1. AGENCY USE ONLY (Leave Blank)		2. REPORT DATE 2001		3. REPORT TYPE AND DATES COVERED Information and Technology Report	
4. TITLE AND SUBTITLE Coefficients of conservatism for the vascular flora of the Dakotas and adjacent grasslands				5. FUNDING NUMBERS	
6. AUTHOR(S) The Northern Great Plains Floristic Quality Assessment Panel					
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESSES U.S. Department of the Interior U.S. Geological Survey Biological Resources Division				8. PERFORMING ORGANIZATION REPORT NUMBER USGS/BRD/ITR/2001-0001	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESSES U.S. Department of the Interior U.S. Geological Survey				10. SPONSORING, MONITORING AGENCY REPORT NUMBER	
11. SUPPLEMENTARY NOTES					
12a. DISTRIBUTION/AVAILABILITY STATEMENT Release unlimited. Available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161 (1-800-553-6847 or 703-487-4650). Available to registered users from the Defense Technical Information Center, Attn: Help Desk, 8722 Kingman Road, Suite 0944, Fort Belvoir, VA 22060-6218 (1-800-225-3842 or 703-767-9050).				12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words) Floristic quality assessment can be used to identify natural areas, to facilitate comparisons among different sites, to provide long-term monitoring of natural area quality, and to evaluate habitat management and restoration efforts. To facilitate the use of floristic quality assessment in North Dakota, South Dakota (excluding the Black Hills), and adjacent grasslands, we developed a species list and assigned coefficients of conservatism (C values; range = 0 to 10) to each plant species in the region's flora. The C values we assigned represented our collective knowledge of the patterns of occurrence of each plant species in the Dakotas and our confidence that a particular taxon is natural-area dependent. Because state boundaries usually do not follow ecological boundaries, the C values we assigned should be equally valid in nearby areas with the same vegetation types. Of the 1,584 taxa we recognized in this effort, 275 (17%) were determined to be nonnative to the region. We assigned C values of 4 or higher to 77% of our native taxa, and the entire native flora had a mean C value (\bar{C}) of 6.1. A floristic quality index (FQI) can be calculated to rank sites in order of their floristic quality. By applying the coefficients of conservatism supplied here and calculating \bar{C} and FQI, an effective means of evaluating the quality of plant communities can be obtained. Additionally, by repeating plant surveys and calculations of \bar{C} and FQI over time, temporal changes in floristic quality can be identified.					
14. SUBJECT TERMS (Keywords) floristic quality assessment, native plants, natural area assessment, natural area monitoring, North Dakota, plant community evaluation, restoration evaluation, plant species checklist, South Dakota				15. NUMBER OF PAGES iii + 32 pp	
				16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified	20. LIMITATION OF ABSTRACT Unlimited		

Technical Report Series

The Biological Resources Division publishes scientific and technical articles and reports resulting from the research performed by our scientists and partners. These articles appear in professional journals around the world. Reports are published in two report series: Biological Science Reports and Information and Technology Reports.

Series Descriptions

Biological Science Reports

ISSN 1081-292X

This series records the significant findings resulting from sponsored and cosponsored research programs. They may include extensive data or theoretical analyses. Papers in this series are held to the same peer-review and high quality standards as their journal counterparts.

Information and Technology Reports ISSN 1081-2911

These reports are intended for publication of book-length monographs; synthesis documents; compilations of conference and workshop papers; important planning and reference materials such as strategic plans, standard operating procedures, protocols, handbooks, and manuals; and data compilations such as tables and bibliographies. Papers in this series are held to the same peer-review and high quality standards as their journal counterparts.

USGS-National Wetlands Research Center

Technology & Informatics Branch

Chief

Gaye S. Farris

Production Staff

Editors Tammy M. Charron (Johnson
Controls World Services)
Rhonda F. Davis
Beth A. Vairin

Layout Natalie G. Trahan (Johnson
Controls World Services)

Printing Liaison Susan M. Lauritzen



U.S. Department of the Interior
U.S. Geological Survey

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This responsibility includes fostering the sound use of our lands and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities.

