Revision of Colorado's Floristic Quality Assessment Indices 2020

December 2020

Warner College of Natural Resources
Colorado State University

CNHP's mission is to advance the conservation of Colorado's native species and ecosystems through science, planning, and education for the benefit of current and future generations.

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Front Cover: Chamisso's cotton-grass (*Eriophorum chamissonis*) and Crystal Strouse in a fen, Lake County, Colorado. P. Smith 2018.

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1.0 INTRODUCTION

The Floristic Quality Assessment (FQA) method is used to calculate several indices that reflect the condition of a site based on the plant species present. The core of the FQA method is the use of "coefficients of conservatism" (C-values), which are assigned to all native species in a flora following the methods described by Swink and Wilhelm (1994) and Wilhelm and Masters (1996). C-values range from 0 to 10 and represent an estimated probability that a plant is likely to occur in a landscape relatively unaltered from pre-European settlement conditions (Table 1). High C-values are assigned to species likely to occur in high-quality natural areas, while low C-values are assigned to species that tolerate modern human disturbance. FQA indices provide consistent, quantitative measures of floristic integrity that can be used in any plant community, do not require extensive sampling equipment, and can be applied to existing data sets. The evidence has shown that FQA is an accurate reflection of modern human disturbance (Rocchio and Crawford 2013, Spyreas 2019).

Table 1. C-value ranges and associated interpretation.

C-Value	*Interpretation*
0	Non-native species. Very prevalent in new ground or non-natural areas.
1-3	Commonly found in non-natural areas.
4-6	Equally found in natural and non-natural areas
7-9	Obligate to natural areas but can sustain some habitat degradation.
10	Obligate to high quality natural areas - no evidence species occurs outside high quality natural areas.

Initial C-values for Colorado species were assigned by a panel of botanical experts coordinated by the Colorado Natural Heritage Program (CNHP) in 2006 (Rocchio et al. 2007). The initial FQA panel was able to assign C-values to approximately 80% of Colorado's estimated 3,191 taxa.

This report summarizes the 2020 update to the Colorado FQA focusing on five main areas:

- Updating taxonomy for the entire list of vascular plants in Colorado
- Evaluating native status of species with new native status designations
- Assigning C-values to taxa without values and updating selected taxa
- Data analysis of potential C-values
- Validation of C-values using previously collected field data

The updated 2020 FQA list includes 3,383 taxa of which 95% are assigned a C-value.

In addition to C-values, the updated FQA list includes a taxonomic crosswalk between Ackerfield (2015), USDA PLANTS (symbol and scientific name), and Weber and Wittmann (2012a, b). Additionally, the following fields are provided where available: National Wetland Plant List Wetland Indicator Status (U.S. Army Corps of Engineers 2018), Colorado Noxious Weed status

(Colorado Department of Agriculture 2020), and CNHP tracking status and global and state rarity ranks for species considered of conservation concern.

The FQA list with an updated crosswalk is in demand by Colorado land managers, researchers, and scientists who use the FQA to determine the condition of landscapes and wetlands.

2.0 METHODS

2.1 Taxonomic Update to the FQA Species List

The first task was to compile an updated vascular plant species list for Colorado. The plant list provided in Rocchio et al. (2007) included 3,191 taxa, of which 2,666 taxa were assigned a C-value and 525 taxa (16%) were not assigned a C-value. Because there have been substantial changes since 2007 related to nomenclature of species, as well as addition and deletion of species based on new information, an updated species list was needed prior to gathering C-value input from experts.

The original FQA species list was based primarily on nomenclature used by Weber and Wittmann (2001a, b) (Rocchio et al. 2007). For this update, the FQA species list was amended to include all taxa included in the most recent flora, *The Flora of Colorado* published by Jennifer Ackerfield in 2015. Taxa were crosswalked between Ackerfield (2015) and Weber and Wittmann (2001a, b) based primarily on notations within those sources. For taxa with no notations indicating synonymy within Ackerfield (2015) or Weber and Wittmann (2001a, b), other sources were consulted including Weber and Wittmann (2012 a, b), USDA PLANTS Database (USDA 2020), Interagency Taxonomic Information System (ITIS 2020), and Flora of North America (1993+). In some cases, synonymy is inconsistent between sources as the interpretation of the taxonomic identity of families, genera, species and subspecies/varieties varies. For example, sources differ in their interpretation of which species should be lumped into broader categories and which should be split into finer categories. For this updated FQA list, all taxa in Ackerfield (2015) were retained, taxa in Ackerfield (2015) that were not in the original list were added, and taxa from the original FQA list but not in Ackerfield (2015) were only retained if they were considered valid by multiple sources.

The nomenclature in the updated FQA list follows Ackerfield (2015) for those taxa included in Ackerfield, and follows USDA PLANTS (2020) for those taxa not included in Ackerfield.

2.2 Evaluation of Native Status

In Colorado, a C-value of 0 is assigned to species considered to be introduced to the state. Since the 2007 FQA, the native vs. non-native status of a number of species has been reevaluated. Primarily, many species previously considered non-native are currently considered native. These "newly native" species are in need of an updated C-value.

Because the assignment of native status is not always consistent between sources (e.g., The Biota of North America Program [BONAP] [Kartesz 2015], ITIS, Weber and Wittmann [2001a,b, 2012a,b], Ackerfield [2015]), assigning nativity was not clear cut. Native vs. non-native designations are often provided in regional floras, often without a rationale (Fertig 2011). The definition of a native plant is typically described as one that is found within its area of evolutionary origin, or arrived without human intervention (Pysek et al. 2004, in Fertig 2011). However, it is difficult to determine the origin of many species that are common around the world. Some authors believe that to determine

native/non-native status, at least eight parameters need to be evaluated including fossil evidence, pollen, historical data, geological distribution, genetic diversity, potential routes of introduction, reproductive patterns, known areas of native occurrences, etc. Gathering these parameters requires extensive work; even where available, analysis of these parameters does not always guarantee accuracy (Fertig 2011).

Some sources determine native vs. non-native status on a state level, some on a national level, and some based on the continental United States vs. North America. For the native vs. non-native status provided in the list for this project, we most frequently followed the state designation as assigned by BONAP (Kartesz 2015). The exceptions where we did not follow Kartesz (2015) are discussed in the Results section.

Species considered "Exotic" or "Adventive" by BONAP were assigned a FQA Native Status of non-native and assigned a C-value of 0, unless noted otherwise. The BONAP definition of "Adventive" is as follows:

> *"For the purpose of the Taxonomic Data Center, an adventive plant is a native plant that has been taken from its native range and released intentionally or unintentionally, or been disseminated elsewhere within the geographic area treated, through the direct or indirect influence of human activity."* http://bonap.org/Help/Nativity.htm

A few wetland species with unclear native status and known invasive behavior were treated separately. These species were assigned a native status of "cryptogenic" following methods used in the U.S. Environmental Protection Agency's National Wetland Condition Assessment (NWCA) and described by Magee et al. (2019). Cryptogenic is defined as species with both native and non-native varieties and where the non-native variety is often invasive. Other sources define cryptogenic as species that are not demonstrably native or non-native (e.g., CABI 2020). For this FQA, species considered "cryptogenic" were assigned a C-value of 1.

The wetland taxa assigned "cryptogenic" native status were narrowleaf cattail (*Typha angustifolia*), hybrid cattail (*Typha ×glauca*), the genus cattail (*Typha* sp.), reed canarygrass (*Phalaris arundinacea*), and common reed (*Phragmites australis*). Narrowleaf cattail is often considered non-native in North America (Smith 1993+; Magee et al. 2019) but not all experts are in agreement (e.g., Shih and Finkelstein 2008). Regardless of native status, it is known that narrowleaf cattail, and its difficult-to-distinguish hybrids, can invade wetlands forming dense monocultures (Ciotir et al. 2013; Bansal et al. 2019). Similarly, reed canarygrass is generally considered non-native and can quickly dominate wetlands (e.g., Swearingen and Bargeron 2016; Kettenring et al. 2019). Common reed (*Phragmites australis*) includes two varieties of which one is considered native (var. *americanus*) and one which is not (var. *australis*). The problem lies in differentiating the two in the field. There are morphological keys that can help to separate the varieties of common reed but they are complex and rely on characters that are not always easy to distinguish throughout the season. Therefore, the native and non-native varieties of common reed are assigned individual C-values (3 and 0, respectively), and the cryptogenic full species is assigned a C-value of 1.

2.3 Assigning C-Values

Over 100 experts from universities, governmental agencies and local experts, were contacted in 2019 to determine their interest in participating in assigning Colorado C-values for species with no assigned C-values. Over 50 local and regional experts responded. Each participant received a spreadsheet listing species in need of C-values along with information on the FQA and a set of guidelines that have been established for assigning values. This information includes some of the common mistakes made over the years when assigning C-values that have been reported by Rocchio et al. (2007) and others was also included to ensure a common basis for assigning C-values (Appendix A). The experts submitted suggested C-values to CNHP.

In addition, two workshops were conducted to provide an interactive place for people to discuss not only how to assign C-values but to work together and come up with a consensus on values for a number of different species. The first workshop was held in Grand Junction, Colorado in conjunction with the Annual Rare Plant Symposium and the Colorado Native Plant Society meeting in September of 2019 and focused on West Slope species. The second workshop was held at Colorado State University in Fort Collins in October of 2019 to follow-up on the work done on the West Slope species and to focus on East Slope species. Before and after the workshops, CNHP solicited input from botanists with expertise in specific regions or specific plant groups to assist in assigning values. Other sources evaluated included CNHP element occurrence records, label data from herbarium specimens, and C-values assigned to the same species from other states or regions (e.g., Rocchio and Crawford 2013; Washkoviak et al. 2017). In some cases, no C-value was assigned due to lack of information.

2.4 Data Analysis

C-values were assigned to taxa in the following order of preference:

1. Rocchio et al. (2007) value retained
2. 2019 East Slope or West Slope Workshop value
3. Average value assigned by experts
4. CNHP assigned value

Rocchio et al. (2007) values were retained on the updated FQA list in most cases. For the species with no C-value assigned in 2007, the preferred method of assigning a C-value was using values agreed upon during the workshops. We considered the workshop-derived values the preferred method for assigning a value because they represented multiple experts discussing the species and agreeing on a value. In the absence of a workshop value, we used the average of values provided by individual experts. In the absence of outside expert input, CNHP assigned C-values to species with sufficient information on specimen labels or element occurrence records to allow a reasonable estimate.

The C-value input received from experts was compiled in a large data summary table. A number of experts included comments with their values and these comments were included in the summary

table. These comments were helpful in several situations, especially where there was a gap in agreement. For species with more than one value submitted by the experts, an average was taken unless there was a gap of more than three values. C-value submissions that differed by more than three values for an individual taxon were reviewed following the methodology of Rocchio et al. (2007). A total of 443 values were submitted from individual experts. There were 138 species with values contributed by more than one individual expert, of those only 16 were found to differ by more than three values. The variation ranged from 4-5 values. These 16 species were re-evaluated, some were discussed in workshops, reviewed in the literature or other available data, or specific experts were contacted. Certain experts who submitted values were prioritized in some instances. For example, if someone noted they had limited experience or moderate confidence with a particular species and someone else who was an expert in that species state submitted a value with high confidence, the value from the expert with the wider experience was utilized. These actions were documented in the spreadsheet so that as questions arise, documentation is available detailing how each C-value was assigned.

Most of the species previously considered non-native and currently considered native were assigned C-values by experts. The few that were not were not assigned a C-value by experts, but were known to be tolerant of disturbance, were assigned a C-value of 1. Finally, species with insufficient information due to rarity or other causes were not assigned a C-value. All non-native species were assigned a C-value of 0.

2.5 Validation of C-Values using Existing Data

Plot data generated for wetland condition assessments conducted by CNHP over the past 30 years were used to provide a level of validation for the C-values. The CNHP Wetland Plots Database[1] includes plant species lists and ecological condition data for nearly 3,000 wetland and riparian plots across the state. For species that occurred in at least five plots in the database, the average condition of the plots containing that species was compared to the C-value for that species. This allowed for evaluation of whether the assigned C-value reflected the habitat condition.

The condition data in the analysis include Land Disturbance Index (LDI) and habitat condition or quality data from ecological integrity assessments (EIAs) and CNHP element occurrence records (EORs). LDI is a GIS-based exercise taking into account distance from roads, oil and gas development, cultivation, and other anthropogenic disturbances, where a low LDI indicates low anthropogenic disturbance. The EIA and EOR habitat condition data are based on on-the-ground surveys at the plot locations.

[1] Please visit the Wetland Plots Database website for more information: https://cnhp.colostate.edu/cwic/tools/plot-database/

3.0 RESULTS

Fourteen botanical experts helped score the original FQA list (Rocchio et al. 2007). Twenty-seven botanical experts (including six members of the group who participated in the original list) submitted scores electronically for the 2020 update. Additional experts and practitioners contributed in two workshops that were conducted. A list of experts contributing data electronically is provided in Table 2.

The original FQA list compiled by Rocchio et al. (2007) included 3,191 taxa and was based primarily on Weber and Wittmann 2001 and USDA PLANTS (USDA 2005) as taxonomic sources. In 2009, the original FQA list was converted to an Access database and nomenclature was reviewed to ensure data integrity. Between 2009 and 2015, a few minor updates were made to the list as it was used for various wetland condition assessment projects. These updates added only a handful of species.

The updated list includes 3,383 taxa and is based on largely on the taxonomy of Ackerfield (2015) and USDA PLANTS (Table 3). The 2020 FQA list with C-values is provided in Appendix B. A crosswalk between Ackerfield 2015, PLANTS Database, and Weber and Wittmann 2012 will be available on the Colorado Wetland Information Center website https://cnhp.colostate.edu/cwic/ in January 2021.

The approximately 200 additional species in the updated list include new discoveries of species documented in Colorado since 2007 and changes in taxonomy which have included both additions and deletions. The taxonomic changes and the inconsistencies between sources did not yield a linear transfer in the crosswalks as some authors do not recognize taxa that are recognized by other taxonomists. In some cases, scientific names have been changed to reflect new genetic information and some taxonomists accept the new names and others do not (or have not been updated). Some species are subsumed into a species and some are divided into separate taxa.

Sixty-eight species (~2%) retained in the updated FQA are not recognized by Ackerfield (2015); many of those have been subsumed as members of an existing taxa. For example, in the hawthorns (*Crataegus* spp.), *C. chrysocarpa* and *C. eurythropoda* are considered synonyms of *C. succulenta* by Ackerfield (2015) but the three are recognized as separate species by other taxonomists. These types of nomenclatural changes are recognized in the crosswalk. The lists are separate by author in the crosswalk to allow comparison between the master list (3,383 taxa), Ackerfield (2015) (3,315 taxa), USDA PLANTS (3,306 taxa), and Weber and Wittmann (2012a, b) (2,917 taxa).

The number of native vs. non-native species has shifted slightly from the original FQA list based on changes in some of the information available and the increase in the number of recognized taxa. In the final 2020 FQA list, 69 species previously considered non-native were changed to native based on a range of sources (Table 4). In 2007, 16% of the list was considered non-native versus 14% in 2020 (Table 2). Wyoming also reports 14% non-native species (Washkoviak et al. 2017).

Table 2. List of experts assigning Coefficient of Conservation (C-values) in 2007 and 2020. Bolded names participated in both 2007 and 2020.

Last Name	*First Name*	*Association*	*FQA version 2007/2020*
Ackerfield	Jennifer	Denver Botanic Gardens	2020
Anderson	**David**	**Colorado Natural Heritage Program**	**2007/2020**
Austin	Gay	U. S. Forest Service	2020
Bowes	Megan	City of Boulder, CO	2020
Buckner	David	ESCO Assoc., Inc.	2007
Carsey	Kathy	U. S. Forest Service	2007
Chapelle	Justin	Bureau of Land Management	2020
Clark	**Dina**	**University of Colorado Herbarium**	**2007/2020**
Coles	Janet	U.S. National Park Service	2007
Culver	**Denise**	**Colorado Natural Heritage Program**	**2007/2020**
Dawson	Carol	Bureau of Land Management	2020
DeYoung	Carla	Bureau of Land Management	2020
Doyle	Georgia	Colorado Natural Heritage Program	2020
Freeman	**Craig**	**University of Kansas**	**2007/2020**
Handwerk	Jill	Colorado Natural Heritage Program	2020
Hogan	Tim	University of Colorado Herbarium	2020
Inouye	David	Rocky Mountain Biological Laboratory	2020
Johnson	Brad	Colorado State University	2007
Kettler	Steve	U.S. Fish & Wildlife Service	2007
Kittel	Gwen	NatureServe	2007
Lemly	Joanna	Colorado Natural Heritage Program	2020
Lezberg	Ann	City of Boulder, CO	2020
Lyon	**Peggy**	**Colorado Natural Heritage Program**	**2007/2020**
Massarro	Anthony	Jefferson County Open Space	2020
Olson	Steve	U. S. Forest Service	2020
Lynn	Riedel	City of Boulder	2020
Rocchio	**Joe**	**Washington Natural Heritage Program**	**2007/2020**
Smith	Pam	Colorado Natural Heritage Program	2020
Snow	Neil	Pittsburg State University, KS	2020
Sprock	Harvey	U.S. Natural Resources Conservation Service	2007
Strouse	Crystal	City of Fort Collins Natural Areas Program	2020
Weber	Irene	Jefferson County Open Space	2020
Wenger	Jeanne	Colorado Native Plant Society	2020
Wilhelm	Gerould	Author FQA, Chicago Region	2007 moderator
Yeatts	Lorraine	Denver Botanic Gardens	2020

Table 3. Comparison of the 2007 and 2020 Floristic Quality Assessment Species Lists.

	FQA Species List 2007 (Rocchio 2007)	*FQA Species List 2020*
Number of Taxa	3,191	3,383
Updated Taxa	Not Applicable	609 (18%)
Taxa Reviewed with no change to C-value	Not Applicable	99 (3%)
Taxa with no assigned C-value	525 (17%)	159 (5%)
Non-native or Cryptogenic Taxa	502 (16%)	475 (14%)

Native/non-native assignments were primarily based on BONAP (Kartesz 2015), with the exception of 41 taxa. These 41 include 4 taxa assigned a status of cryptogenic, 30 taxa assigned native status that BONAP considers non-native, 5 taxa assigned non-native status that BONAP considers native, and 2 taxa that are not included in BONAP. These 41 taxa are listed in Appendix C along with the rationale for the native status decision.

Several methods were used to evaluate species for C-value assignments (details included in the methods section). The 2007 C-value was retained for 77% of the list (2,615 taxa), a new C-value was assigned for 18% (609 taxa), and 5% (159 taxa) still have no assigned C-value due to lack of information caused by rarity and/or taxonomic ambiguity. For the 609 taxa with newly-assigned C-values, 9% were assigned during workshops, 74% were assigned as the average value from individual botanical experts, 15% were assigned by CNHP utilizing literature, research articles and herbarium data, and the remaining 2% were either previously non-native species assigned a C-value of 1 or new non-native species assigned a C-value of 0. In addition, the C-value was reviewed for 99 (4%) of the 2,616 taxa but the original C-value was retained. For these taxa, experts suggested C-values that were either equal to or within 2 units of the existing C-value. Overall, we evaluated 21% of the plant species with input from 27 panel members and ~50 workshop attendees. All newly assigned C-values are included in the full list in Appendix B.

The validation analysis using CNHP's Wetland Plots Database consisted of comparing LDI and field-based condition data to C-values for species that occurred in at least five plots. There were 975 such species. See Figure 1 for an example of the validation analysis. The evaluation only resulted in updating C-values for three species, however, because species with various C-values can occur across a range of conditions. Potentially problematic C-values identified through this validation were only changed if additional research or expert consultation supported the change. The species that did change had high C-values but the plot data indicated they consistently occurred in degraded habitat. One example was *Ranunculus aquatilis,* which was assigned a C-value of 10 in 2007. Field-based plot data documented this species commonly in anthropogenically disturbed sites across Colorado and less often in high quality wetlands. The C-value was updated from 10 to a

3 to reflect this data and was supported by the expert panel for those that updated this species. The list of species with updated C-values based on either the validation analysis or on input from experts is shown in Table 5. The C-values for an additional six taxa were updated to correct inconsistencies between the C-value of the full species relative to the subspecies (Table 6).

Table 4. Taxa considered non-native in Rocchio (2007) and native in the 2020 FQA list.

Scientific Name	*2020 C-Value*
Acer negundo var. *violaceum*	4
Agrostis exarata	7
Alopecurus carolinianus	Not Assigned
Amaranthus palmeri	3
Ambrosia artemisiifolia	1
Ambrosia trifida var. *trifida*	3
Anemopsis californica	3
Aristida adscensionis	6
Berula erecta	5
Bidens cernua	5
Bidens frondosa	3
Bouteloua simplex	2
Bromus carinatus	4
Carex sychnocephala	Not Assigned
Chamaesyce maculata	3
Chamaesyce serpens	2
Chamaesyce serpyllifolia	2
Chenopodium capitatum	4
Chloris virgata	2
Conyza canadensis	1
Cosmos parviflorus	1
Cyperus erythrorhizos	2
Cyperus esculentus	1
Cyperus odoratus	2
Deschampsia elongata	Not Assigned
Dimorphocarpa wislizeni	Not Assigned
Draba nemorosa	6
Drymaria depressa	Not Assigned
Dysphania graveolens	7
Elaeagnus commutata	6
Elatine rubella	5
Eragrostis hypnoides	4
Eragrostis pilosa	1
Eragrostis trichodes	4
Eriastrum diffusum	Not Assigned

Scientific Name	*2020 C-Value*
Erigeron strigosus var. strigosus	3
Galium aparine	1
Heliotropium curassavicum var. *oculatum*	4
Impatiens capensis	4
Juncus articulatus	6
Juncus effusus	4
Juncus tenuis	6
Lactuca biennis	4
Leersia oryzoides	5
Madia glomerata	3
Matricaria discoidea	1
Najas guadalupensis ssp. *guadalupensis*	1
Panicum capillare	1
Paspalum setaceum	5
Persicaria lapathifolia	2
Phalaris caroliniana	Not Assigned
Polygonum achoreum	1
Polypogon interruptus	Not Assigned
Potentilla norvegica	1
Pseudognaphalium macounii	3
Ribes aureum var. *villosum*	Not Assigned
Sambucus canadensis	7
Sesuvium verrucosum	6
Silene antirrhina	5
Solanum elaeagnifolium	1
Solanum heterodoxum	1
Solanum rostratum	2
Spirodela polyrrhiza	6
Triodanis perfoliata	6
Turritis glabra	4
Verbena bracteata	2
Verbesina encelioides ssp. exauriculata	1
Veronica peregrina ssp. *xalapensis*	2
Xanthium strumarium	1

Table 5. Taxa with updated C-value based on data validation and expert input.

Scientific Name	*2020 C-Value*	*2007 C-Value*	*Notes*
Acer negundo	4	7	Based on Wetland Plots Database analysis and expert input
Campanula aparinoides	5	10	Based on expert input considering associated species at only known occurrence in Colorado
Euthamia occidentalis	4	9	Based on Wetland Plots Database analysis and expert input
Gleditsia triacanthos	0	1	Based on expert input by more than one expert (currently considered non-native in Colorado)
Grindelia squarrosa	3	1	Based on East Slope Workshop
Mentzelia rhizomata	7	9	Based on expert input by more than one expert (*Mentzelia argillosa* in Rocchio 2007)
Penstemon fremontii	7	9	Based on expert input by more than one expert
Penstemon glaber	7	5	Based on expert input by more than one expert
Phalaris arundinacea	1	0	Based on CNHP Wetland Team "cryptogenic" designation
Phragmites australis	1	3	Based on CNHP Wetland Team "cryptogenic" designation
Physaria bellii	6	4	Based on East Slope Workshop
Ranunculus aquatilis	3	10	Based on Wetland Plots Database analysis, East Slope Workshop, and expert input
Typha angustifolia	1	2	Based on CNHP Wetland Team "cryptogenic" designation
Typha latifolia	4	2	Based on CNHP Wetland Team expert input

Table 6. Taxa with updated C-value based on correcting an inconsistency between full species and subspecies.

Scientific Name	*2020 C-Value*	*2007 C-Value*
Agoseris glauca	7	6
Eriogonum leptocladon	7	8
Opuntia polyacantha	5	4
Penstemon barbatus	7	6
Penstemon eatonii	6	7
Penstemon scariosus	7	5

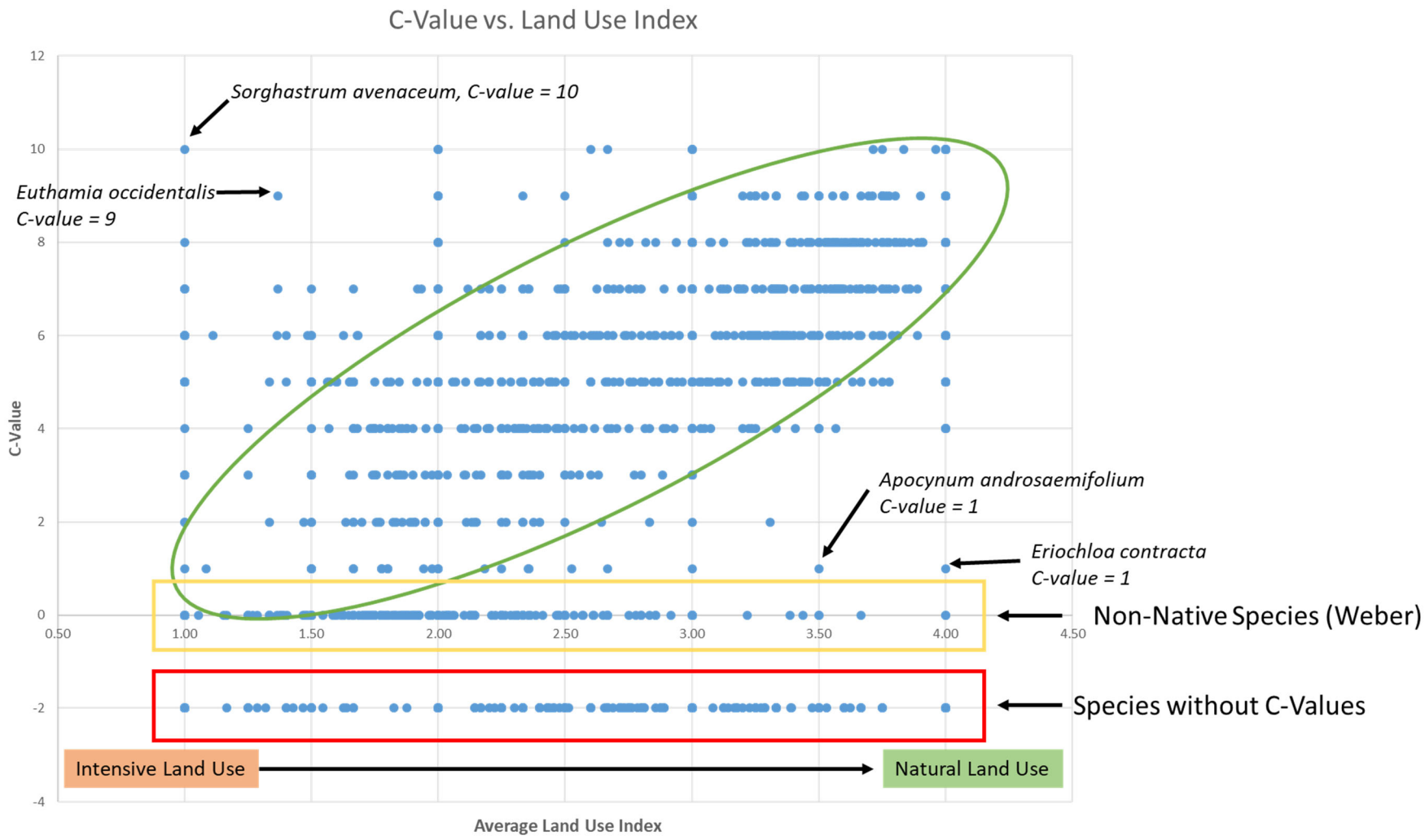

Figure 1. Example comparison of C-values for individual species and field-based condition data. This example shows a field-based assessment of land use intensity. The average condition across all sites where a species was observed was plotted against the species' original C-value. Species plotted within the central ellipse responded to average site conditions as expected. Species far beyond the central ellipse were investigated.

The distribution of final C-values demonstrated the largest number of species were assigned middle range (5-7) C-values. This distribution patterns were similar for the newly assigned values as they were to the total values. This was also the case when the 2007 distribution is compared to the 2020 distribution of C-values (Figure 2).

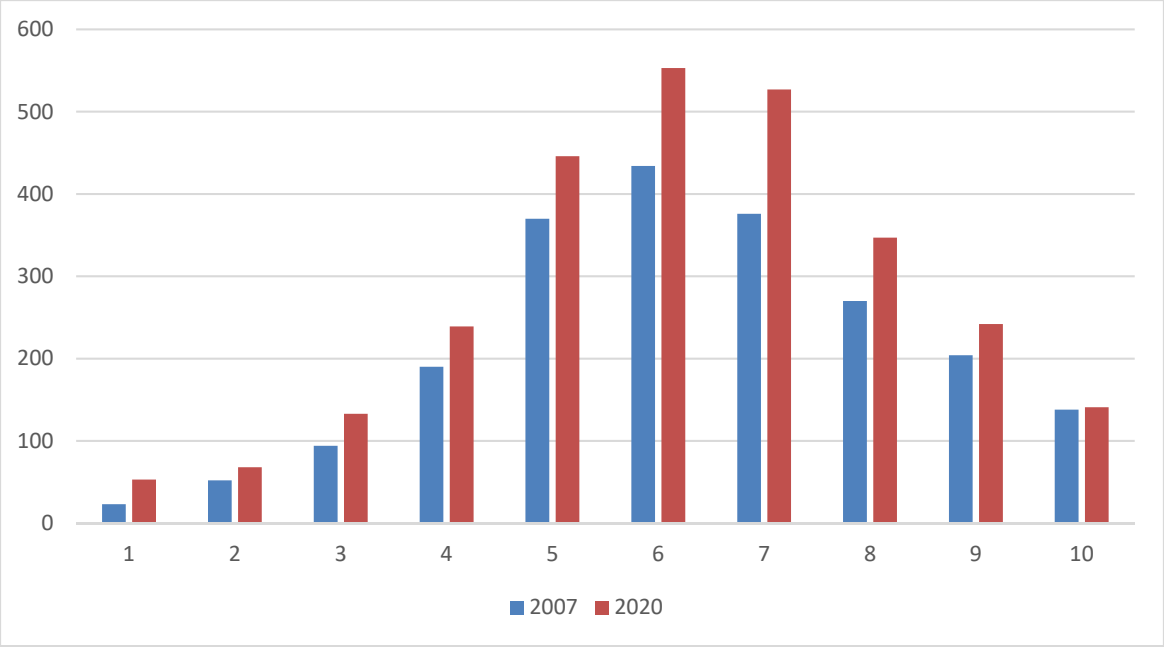

Figure 2. Comparison of 2007 and 2020 C-values

4.0 Accessing the FQA List

The revised 2020 FQA list will be posted on CNHP's Colorado Wetland Information Center website https://cnhp.colostate.edu/cwic/ in January 2021. The list can be downloaded as an Excel file or as a PDF. Additionally, the FQA calculator is available on the CNHP CWIC website. The FQA calculator allows users to enter a species list and calculate various FQA scores. The revised C-values will also be incorporated into the Colorado Wetland App.

Users of the FQA in Colorado are encouraged to submit information or opinions regarding specific C-value assignments to the CNHP. These contributions will be put towards periodic review and updates that will continue to improve the efficacy and quality of this metric.

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APPENDIX A

Panel Guidelines and Information

for the 2019-2020

Revision of the Colorado Floristic Quality Assessment Indices

Panel Objectives

1) Panel members and experts willing to provide information will evaluate taxa for roughly 20% of the Colorado flora with no assigned C-values (prioritized list provided as separate attachment in email).
2) The panel experts will follow the guidelines provided for assigning C-values (below) on taxa for which a contributor will have experience and familiarity.
3) Submit your data by **September 05, 2019** via email to Pam Smith at the Colorado Natural Heritage Program (CNHP) pamela.smith@colostate.edu .
4) Panel members are encouraged to attend at least one panel discussion at two public forums. CNHP will compile and present the results at a workshop as part of the Rare Plant Symposium at the Colorado Native Plant Society Annual Meeting on September 27, 2019 and at a yet to be determined date in October in Fort Collins at Colorado State University. The meeting in October is to evaluate any of the taxa that were not assigned a value or that were problematic (agreements were not within three points between evaluators). Please note the results will be available to all panel members for comment, including those that cannot attend meetings.
5) The final revised list will be incorporated into the Colorado Wetland App and as a separate downloadable list from the CNHP website.

FQA Background Information

The FQA, originally developed for the Chicago region (Swink and Wilhelm 1979, 1994), assesses the degree of "naturalness" of an area based on the presence of species with high fidelity to habitat conditions unaltered from human-induced disturbances. The FQA uses “coefficients of conservatism” (C-values) to calculate a Floristic Quality Assessment Index (FQAI) to indicate “naturalness”. The C-value, assigned to each species in the Colorado flora, indicates a plant’s fidelity to habitat integrity and can be thought of as the relative probability that a particular plant is indicative of habitat conditions unaltered from human-induced disturbances (Rocchio 2007).

FQA methods have been developed in a number of states and provinces including Illinois (Swink and Wilhelm 1979, Taft et al. 1997), Missouri (Ladd 1993), Ohio (Andreas and Lichvar 1995), southern Ontario (Oldham et al. 1995), Michigan (Herman et al. 1996), Indiana (Coffee Creek Watershed Conservancy, 2001), North Dakota (Northern Great Plains Floristic Quality Assessment Panel, 2001), and Montana (Jones 2005).

C-values for Colorado species were assigned by a panel of botanical experts in 2006 (Rocchio 2007). FQA indices are included as a component of the Colorado Ecological Integrity Assessment (EIA) protocols, but they can also be used as stand-alone measures of biotic condition.

Table 1. C-value ranges and associated interpretation.

C-Value	Interpretation
0	Nonnative species, prevalent in new ground or obligate to non-natural areas.
1-3	Commonly found in non-natural areas.
4-6	Equally found in natural and non-natural areas.
7-9	Obligate to natural areas but can sustain some habitat degradation.
10	Obligate to high quality natural areas – no evidence species occurs outside high quality natural areas.

Considerations for Assigning C-Values

(Adapted in part from notes from Joe Rocchio and from the original FQA report (Rocchio 2007)

Consider each species individually. For example, do not think about values you have already assigned; an example might be something like: I have assigned the last few species fours, maybe I need more ones or tens. Just focus on the plant you are evaluating. Don't be afraid to assign a 10, if you believe it is a 10, assign a 10.

Endemics or Rare Species: During the first FQA workshop, rarity or endemism was occasionally being confused with conservatism. The FQA is not trying to assess rarity or presence of endemic species. A conservative species may or may not be rare. Likewise, a rare species may or may not be conservative. There are many different types of tools in the Botanical Toolbox, and FQA should not be used to answer a question it was not designed to address. *FQA is intended to assess floristic quality or integrity of a particular site.*

General comment about Coefficient of Conservatism: Need to consider historical demography of plants to understand coefficient of conservatism (C-value). Need to understand history of human occupancy and impacts to the landscape. Example: Midwestern woodlands were thought to be a climax community by modern ecologists. However, in comparison to 1840 land survey data it was apparent that modern Midwestern woodlands were actually a degraded system (due to fire suppression) compared to 1840 data (which was a fire dependent system).

Distribution of Conservative Species in a Flora: In the Floristic Quality Assessment in the Chicago Region paper, 89% of the native flora of the Chicago region has a C- value of 4 or higher. However, most *areas* in the Chicago region have a Mean C ranging from 0-2, highlighting the ubiquitous presence of ruderal, non-conservative species in the landscape despite the relative small proportion they constitute in the flora. Colorado has a much higher percentage of natural areas remaining in the landscape compared to the Chicago Region.

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USDA Symbol	Family	Scientific Name	C-Value	Native Status	Wetland Indicator		
					Mtns	Plains	West
ABBI3	Pinaceae	Abies bifolia	5	Native	FACU		FACU
ABCO	Pinaceae	Abies concolor	5	Native			
ABEL	Nyctaginaceae	Abronia elliptica	4	Native			
ABFR2	Nyctaginaceae	Abronia fragrans	6	Native			
ABAR	Nyctaginaceae	Abronia glabrifolia	9	Native			
ABNAN	Nyctaginaceae	Abronia nana var. nana	9	Native			
ABIN	Malvaceae	Abutilon incanum	Not Assigned	Native			
ABPA3	Malvaceae	Abutilon parvulum	Not Assigned	Native			
ABTH	Malvaceae	Abutilon theophrasti	0	Non-native	FACU	UPL	UPL
ACGLG2	Sapindaceae	Acer glabrum var. glabrum	7	Native	FACU	FAC	FAC
ACGRG	Sapindaceae	Acer grandidentatum var. grandidentatum	10	Native	FACU	FAC	FACU
ACNE2	Sapindaceae	Acer negundo	4	Native	FAC	FAC	FACW
ACNEI2	Sapindaceae	Acer negundo var. interius	4	Native	FAC	FAC	FACW
ACNEV	Sapindaceae	Acer negundo var. violaceum	4	Native	FAC	FAC	FACW
ACFI	Asteraceae	Achillea filipendulina	0	Non-native			
ACMI2	Asteraceae	Achillea millefolium	4	Native	FACU	FACU	FACU
ACPT	Asteraceae	Achillea ptarmica	0	Non-native	FACU	FACU	FACU
ACBL	Poaceae	Achnatherum ×bloomeri	10	Native			
ACAR14	Poaceae	Achnatherum aridum	7	Native			
ACHY	Poaceae	Achnatherum hymenoides	5	Native	UPL	FACU	UPL
ACLE9	Poaceae	Achnatherum lettermanii	6	Native			
ACNE9	Poaceae	Achnatherum nelsonii	6	Native	UPL	UPL	FACU
ACPE13	Poaceae	Achnatherum perplexum	Not Assigned	Native			
ACPI2	Poaceae	Achnatherum pinetorum	6	Native			
ACRI8	Poaceae	Achnatherum richardsonii	6	Native	UPL	FACU	UPL
ACRO7	Poaceae	Achnatherum robustum	3	Native			
ACSC11	Poaceae	Achnatherum scribneri	7	Native			
ACWE3	Poaceae	Achnatherum webberi	Not Assigned	Native			
ACCO4	Ranunculaceae	Aconitum columbianum	8	Native	FACW	FACW	FACW
ACCA4	Acoraceae	Acorus calamus	5	Native	OBL	OBL	OBL
ACRE3	Asteraceae	Acroptilon repens	0	Non-native			
ACRU2	Ranunculaceae	Actaea rubra	9	Native	FACU	FACU	FAC
ADAL	Pteridaceae	Adiantum aleuticum	8	Native	FAC	FAC	FAC
ADCA	Pteridaceae	Adiantum capillus-veneris	9	Native	FACW	FACW	FACW
ADMO	Adoxaceae	Adoxa moschatellina	10	Native	FAC	FAC	FAC
AECY	Poaceae	Aegilops cylindrica	0	Non-native			
AGTEP2	Orobanchaceae	Agalinis tenuifolia var. parviflora	10	Native	FAC	FAC	FACW
AGFO	Lamiaceae	Agastache foeniculum	3	Native			
AGPA	Lamiaceae	Agastache pallidiflora	5	Native			
AGUR	Lamiaceae	Agastache urticifolia	5	Native	FACU		FACU
AGHE5	Asteraceae	Ageratina herbacea	6	Native			
AGAU2	Asteraceae	Agoseris aurantiaca	6	Native	FACU		FAC
AGAUA	Asteraceae	Agoseris aurantiaca var. aurantiaca	6	Native	FACU		FAC
AGAUP	Asteraceae	Agoseris aurantiaca var. purpurea	6	Native	FACU		FAC
AGGL	Asteraceae	Agoseris glauca	7	Native	FAC	FACU	FACU
AGGLD	Asteraceae	Agoseris glauca var. dasycephala	7	Native	FAC	FACU	FACU
AGGLG	Asteraceae	Agoseris glauca var. glauca	7	Native	FAC	FACU	FACU
AGHEH	Asteraceae	Agoseris heterophylla var. heterophylla	Not Assigned	Native			
AGPA14	Asteraceae	Agoseris parviflora	7	Native	UPL	UPL	FACU
AGST	Rosaceae	Agrimonia striata	7	Native	FACU	FACU	FACU
AGCR	Poaceae	Agropyron cristatum	0	Non-native			
AGFR	Poaceae	Agropyron fragile	0	Non-native			
AGGI	Caryophyllaceae	Agrostemma githago	0	Non-native			
AGEX	Poaceae	Agrostis exarata	7	Native	FACW	FACW	FACW
AGGI2	Poaceae	Agrostis gigantea	0	Non-native	FAC	FACW	FACW
AGID	Poaceae	Agrostis idahoensis	7	Native	FACW	FACW	FACW
AGME3	Poaceae	Agrostis mertensii	6	Native	FACU	FACU	FACU
AGSC5	Poaceae	Agrostis scabra	4	Native	FAC	FAC	FAC
AGST2	Poaceae	Agrostis stolonifera	0	Non-native	FAC	FACW	FACW
AGVA	Poaceae	Agrostis variabilis	4	Native			
AIAL	Simaroubaceae	Ailanthus altissima	0	Non-native	FACU	FACU	FACU

USDA Symbol	Family	Scientific Name	C-Value	Native Status	Wetland Indicator		
					Mtns	Plains	West
ALRO3	Malvaceae	Alcea rosea	0	Non-native			
ALAC2	Apiaceae	Aletes acaulis	7	Native			
ALHU	Apiaceae	Aletes humilis	7	Native			
ALMAB	Apiaceae	Aletes macdougalii ssp. breviradiatus	10	Native			
ALMA12	Fabaceae	Alhagi maurorum	0	Non-native	FAC	FAC	FAC
ALHA6	Polemoniaceae	Aliciella haydenii	4	Native			
ALLE7	Polemoniaceae	Aliciella leptomeria	6	Native			
ALMC	Polemoniaceae	Aliciella mcvickerae	6	Native	UPL		UPL
ALMI10	Polemoniaceae	Aliciella micromeria	Not Assigned	Native			
ALPE11	Polemoniaceae	Aliciella penstemonoides	10	Native			
ALPI2	Polemoniaceae	Aliciella pinnatifida	5	Native	FAC	FAC	FACU
ALSE11	Polemoniaceae	Aliciella sedifolia	10	Native			
ALST12	Polemoniaceae	Aliciella stenothyrsa	9	Native			
ALTR14	Polemoniaceae	Aliciella triodon	9	Native			
ALGR	Alismataceae	Alisma gramineum	4	Native	OBL	OBL	OBL
ALSU	Alismataceae	Alisma subcordatum	Not Assigned	Native	OBL	OBL	
ALTR7	Alismataceae	Alisma triviale	3	Native	OBL	OBL	OBL
ALPE4	Brassicaceae	Alliaria petiolata	0	Non-native	FACU	FACU	FACU
ALIN	Nyctaginaceae	Allionia incarnata	6	Native			
ALAC4	Alliaceae	Allium acuminatum	8	Native			
ALBR	Alliaceae	Allium brandegeei	9	Native			
ALBR2	Alliaceae	Allium brevistylum	8	Native			
ALCE2	Alliaceae	Allium cernuum	5	Native	FACU	UPL	FACU
ALGE	Alliaceae	Allium geyeri	5	Native	FACU	FACU	FACU
ALGEG	Alliaceae	Allium geyeri var. geyeri	5	Native	FACU	FACU	FACU
ALGET	Alliaceae	Allium geyeri var. tenerum	5	Native	FACU	FACU	FACU
ALMA4	Alliaceae	Allium macropetalum	7	Native			
ALNE	Alliaceae	Allium nevadense	8	Native			
ALSA2	Alliaceae	Allium sativum	0	Non-native			
ALSCS	Alliaceae	Allium schoenoprasum	7	Native	FACW	FACU	FACW
ALTE	Alliaceae	Allium textile	5	Native			
ALPA14	Asteraceae	Almutaster pauciflorus	4	Native	FACW	FACW	FACW
ALINT	Betulaceae	Alnus incana ssp. tenuifolia	6	Native	FACW	FACW	FACW
ALAE	Poaceae	Alopecurus aequalis	4	Native	OBL	OBL	OBL
ALAR	Poaceae	Alopecurus arundinaceus	0	Non-native	FAC	FACW	FAC
ALCA4	Poaceae	Alopecurus carolinianus	Not Assigned	Native	FACW	FACW	FACW
ALGE2	Poaceae	Alopecurus geniculatus	0	Non-native	OBL	OBL	OBL
ALMA8	Poaceae	Alopecurus magellanicus	7	Native	FACW	FACW	FACW
ALPR3	Poaceae	Alopecurus pratensis	0	Non-native	FAC	FACW	FACW
ALAL3	Brassicaceae	Alyssum alyssoides	0	Non-native			
ALDE	Brassicaceae	Alyssum desertorum	0	Non-native			
ALMU	Brassicaceae	Alyssum murale	0	Non-native			
ALSI8	Brassicaceae	Alyssum simplex	0	Non-native			
AMAL	Amaranthaceae	Amaranthus albus	0	Non-native	FACU	FACU	FACU
AMAR	Amaranthaceae	Amaranthus arenicola	5	Native	FAC	FACU	FACU
AMBL	Amaranthaceae	Amaranthus blitoides	4	Native	FAC	FAC	FACU
AMHY	Amaranthaceae	Amaranthus hybridus	3	Native			
AMPA	Amaranthaceae	Amaranthus palmeri	3	Native	FACU	FACU	FACU
AMPO2	Amaranthaceae	Amaranthus powellii	5	Native			
AMRE	Amaranthaceae	Amaranthus retroflexus	0	Non-native	FACU	FACU	FACU
AMWR	Amaranthaceae	Amaranthus wrightii	6	Native			
AMAC2	Asteraceae	Ambrosia acanthicarpa	4	Native			
AMAR2	Asteraceae	Ambrosia artemisiifolia	1	Native	FACU	FACU	FACU
AMCO3	Asteraceae	Ambrosia confertiflora	6	Native			
AMGR5	Asteraceae	Ambrosia grayi	1	Native	FAC	FAC	
AMLI3	Asteraceae	Ambrosia linearis	4	Native			
AMPS	Asteraceae	Ambrosia psilostachya	3	Native	FACU	FACU	FACU
AMTO3	Asteraceae	Ambrosia tomentosa	3	Native			
AMTRT2	Asteraceae	Ambrosia trifida var. trifida	3	Native	FAC	FAC	FAC
AMAL2	Rosaceae	Amelanchier alnifolia	6	Native	FACU	FACU	FACU
AMALA	Rosaceae	Amelanchier alnifolia var. alnifolia	6	Native	FACU	FACU	FACU

USDA Symbol	Family	Scientific Name	C-Value	Native Status	Wetland Indicator		
					Mtns	Plains	West
AMALP2	Rosaceae	Amelanchier alnifolia var. pumila	3	Native	FACU	FACU	FACU
AMALU	Rosaceae	Amelanchier alnifolia var. utahensis	6	Native	UPL	FAC	FACU
AMRO3	Lythraceae	Ammannia robusta	8	Native	OBL	OBL	OBL
AMCA6	Fabaceae	Amorpha canescens	10	Native			
AMFR	Fabaceae	Amorpha fruticosa	7	Native	FACW	FACW	FACW
AMNA	Fabaceae	Amorpha nana	7	Native	FACU	UPL	FACU
AMNE3	Cyperaceae	Amphiscirpus nevadensis	7	Native	OBL	OBL	OBL
AMLY	Boraginaceae	Amsinckia lycopsoides	0	Non-native			
AMMEM2	Boraginaceae	Amsinckia menziesii var. menziesii	0	Non-native			
AMJO	Apocynaceae	Amsonia jonesii	10	Native	UPL		UPL
ANAR	Myrsinaceae	Anagallis arvensis	0	Non-native	FAC	FACU	FAC
ANMI4	Myrsinaceae	Anagallis minima	5	Native	FACW	FACW	FACW
ANMA	Asteraceae	Anaphalis margaritacea	4	Native	FACU	FACU	FACU
ANAZ	Boraginaceae	Anchusa azurea	0	Non-native			
ANOF	Boraginaceae	Anchusa officinalis	0	Non-native			
ANGE	Poaceae	Andropogon gerardii	9	Native	FACU	FACU	FACU
ANHA	Poaceae	Andropogon hallii	8	Native			
ANCHC	Primulaceae	Androsace chamaejasme ssp. carinata	9	Native	FACU	FACU	FACU
ANFI	Primulaceae	Androsace filiformis	8	Native	FACW		FACW
ANOC2	Primulaceae	Androsace occidentalis	9	Native	FACU	FACU	FACU
ANSE4	Primulaceae	Androsace septentrionalis	6	Native	FACU	FACU	FACU
ANBR4	Themidaceae	Androstephium breviflorum	8	Native			
ANCA8	Ranunculaceae	Anemone canadensis	8	Native	FAC	FACW	FAC
ANCY	Ranunculaceae	Anemone cylindrica	5	Native			
ANMU	Ranunculaceae	Anemone multifida	10	Native			
ANNAZ2	Ranunculaceae	Anemone narcissiflora var. zephyra	10	Native	FAC	FAC	FAC
ANPA	Ranunculaceae	Anemone parviflora	6	Native	FACW	FACU	FACW
ANPAM	Ranunculaceae	Anemone patens var. multifida	7	Native			
ANVIC	Ranunculaceae	Anemone virginiana var. cylindroidea	8	Native	FACU	FACU	
ANCA10	Saururaceae	Anemopsis californica	3	Native	OBL	FACW	OBL
ANAM	Apiaceae	Angelica ampla	4	Native	FACW	FACW	FACW
ANGR3	Apiaceae	Angelica grayi	10	Native			
ANPI2	Apiaceae	Angelica pinnata	5	Native	FACW	FACW	FACW
ANCR2	Malvaceae	Anoda cristata	0	Non-native	FAC	FAC	FAC
ANAN2	Asteraceae	Antennaria anaphaloides	5	Native	FAC		FACU
ANCO	Asteraceae	Antennaria corymbosa	5	Native	FAC		FAC
ANDI2	Asteraceae	Antennaria dimorpha	6	Native			
ANHO	Asteraceae	Antennaria howellii	5	Native			
ANLUL	Asteraceae	Antennaria luzuloides ssp. luzuloides	5	Native			
ANMA5	Asteraceae	Antennaria marginata	7	Native			
ANME2	Asteraceae	Antennaria media	5	Native	FAC		FAC
ANMI3	Asteraceae	Antennaria microphylla	5	Native			
ANNE	Asteraceae	Antennaria neglecta	5	Native	FACU	FACU	FACU
ANPA4	Asteraceae	Antennaria parvifolia	5	Native			
ANPU	Asteraceae	Antennaria pulcherrima	5	Native	FAC		FACU
ANPU	Asteraceae	Antennaria rosea	5	Native			
ANRO3	Asteraceae	Antennaria rosulata	5	Native			
ANUM	Asteraceae	Antennaria umbrinella	8	Native	FACU	FACU	FACU
ANAR6	Asteraceae	Anthemis arvensis	0	Non-native			
ANCO2	Asteraceae	Anthemis cotula	0	Non-native	FACU	FACU	FACU
ANTI	Asteraceae	Anthemis tinctoria	0	Non-native			
ANHI8	Poaceae	Anthoxanthum hirtum	9	Native	FACW	FACW	FACW
ANOD	Poaceae	Anthoxanthum odoratum	0	Non-native	FACU	FAC	FAC
APIN	Poaceae	Apera interrupta	0	Non-native			
APAM	Fabaceae	Apios americana	3	Native	FACW	FAC	
APFL	Apocynaceae	Apocynum ×floribundum	4	Native			
APAN2	Apocynaceae	Apocynum androsaemifolium	1	Native	FACU	UPL	UPL
APCA	Apocynaceae	Apocynum cannabinum	2	Native	FAC	FAC	FAC
AQBA	Ranunculaceae	Aquilegia barnebyi	10	Native			
AQCH	Ranunculaceae	Aquilegia chrysantha	9	Native	FAC	FACW	FAC
AQCO	Ranunculaceae	Aquilegia coerulea	8	Native	FAC		FACU

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AQCOC	Ranunculaceae	Aquilegia coerulea var. coerulea	8	Native			
AQCOO	Ranunculaceae	Aquilegia coerulea var. ochroleuca	8	Native			
AQEL	Ranunculaceae	Aquilegia elegantula	10	Native			
AQMI	Ranunculaceae	Aquilegia micrantha	10	Native			
AQMIM	Ranunculaceae	Aquilegia micrantha var. mancosana	Not Assigned	Native			
AQSA	Ranunculaceae	Aquilegia saximontana	9	Native			
ARHIP	Brassicaceae	Arabis pycnocarpa var. pycnocarpa	3	Native	FACU	FACU	FACU
ARNU2	Araliaceae	Aralia nudicaulis	9	Native	FACU	FACU	FACU
ARRAB2	Araliaceae	Aralia racemosa ssp. bicrenata	9	Native	FAC	FACU	FAC
ARAM	Viscaceae	Arceuthobium americanum	5	Native			
ARCY2	Viscaceae	Arceuthobium cyanocarpum	5	Native			
ARDI3	Viscaceae	Arceuthobium divaricatum	5	Native			
ARDO	Viscaceae	Arceuthobium douglasii	5	Native			
ARVAC	Viscaceae	Arceuthobium vaginatum ssp. cryptopodum	5	Native			
ARLA3	Asteraceae	Arctium lappa	0	Non-native			
ARMI2	Asteraceae	Arctium minus	0	Non-native	UPL	FACU	FACU
ARTO	Asteraceae	Arctium tomentosum	0	Non-native			
ARPA6	Ericaceae	Arctostaphylos patula	8	Native			
ARUV	Ericaceae	Arctostaphylos uva-ursi	6	Native	FACU	UPL	FACU
ARLAS	Caryophyllaceae	Arenaria lanuginosa ssp. saxosa	5	Native	FACU	FACU	FACU
ARSE2	Caryophyllaceae	Arenaria serpyllifolia	0	Non-native	FACU	FACU	FACU
ARCOA	Papaveraceae	Argemone corymbosa ssp. arenicola	Not Assigned	Native			
ARHI4	Papaveraceae	Argemone hispida	5	Native			
ARPO2	Papaveraceae	Argemone polyanthemos	3	Native			
ARSQS	Papaveraceae	Argemone squarrosa ssp. squarrosa	5	Native			
ARFE5	Pteridaceae	Argyrochosma fendleri	7	Native			
ARHU5	Euphorbiaceae	Argythamnia humilis	Not Assigned	Native			
ARME5	Euphorbiaceae	Argythamnia mercurialina	7	Native			
MAPA	Asteraceae	Arida parviflora	Not Assigned	Native			
ARAD	Poaceae	Aristida adscensionis	6	Native			
ARBA2	Poaceae	Aristida basiramea	7	Native			
ARDI4	Poaceae	Aristida dichotoma	7	Native	UPL	FACU	FACU
ARDI5	Poaceae	Aristida divaricata	5	Native			
ARHA3	Poaceae	Aristida havardii	7	Native			
AROL	Poaceae	Aristida oligantha	5	Native			
ARPU9	Poaceae	Aristida purpurea	3	Native			
ARPUF	Poaceae	Aristida purpurea var. fendleriana	5	Native			
ARPUL	Poaceae	Aristida purpurea var. longiseta	4	Native			
ARPUN	Poaceae	Aristida purpurea var. nealleyi	8	Native			
ARPUP6	Poaceae	Aristida purpurea var. purpurea	2	Native			
ARPUW	Poaceae	Aristida purpurea var. wrightii	8	Native			
ARMAS	Plumbaginaceae	Armeria maritima ssp. sibirica	9	Native	FAC		FACU
ARRU4	Brassicaceae	Armoracia rusticana	0	Non-native			
ARANT	Asteraceae	Arnica angustifolia ssp. tomentosa	10	Native			
ARCH3	Asteraceae	Arnica chamissonis	8	Native	FACW	FACW	FACW
ARCO9	Asteraceae	Arnica cordifolia	7	Native			
ARFU3	Asteraceae	Arnica fulgens	6	Native	UPL	UPL	FACU
ARGR14	Asteraceae	Arnica gracilis	Not Assigned	Native			
ARLA8	Asteraceae	Arnica latifolia	8	Native	FAC	FAC	FAC
ARLO6	Asteraceae	Arnica longifolia	10	Native	FACW	FACW	FACW
ARMO4	Asteraceae	Arnica mollis	7	Native	FAC	FAC	FAC
ARPA13	Asteraceae	Arnica parryi	8	Native			
ARRY	Asteraceae	Arnica rydbergii	10	Native			
AREL3	Poaceae	Arrhenatherum elatius	0	Non-native	UPL	FACU	UPL
ARAB2	Asteraceae	Artemisia abrotanum	0	Non-native			
ARAB3	Asteraceae	Artemisia absinthium	0	Non-native			
ARAN3	Asteraceae	Artemisia annua	0	Non-native	UPL	FACU	UPL
ARAR8	Asteraceae	Artemisia arbuscula	6	Native			
ARARA	Asteraceae	Artemisia arbuscula ssp. arbuscula	6	Native			
ARARL	Asteraceae	Artemisia arbuscula ssp. longiloba	6	Native			
ARAR9	Asteraceae	Artemisia arctica	9	Native	FACU	FACW	FACU

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ARBIB	Asteraceae	Artemisia biennis var. biennis	0	Non-native	FACW	FACU	FACW
ARBI3	Asteraceae	Artemisia bigelovii	7	Native			
ARCA12	Asteraceae	Artemisia campestris	5	Native	FACU	UPL	UPL
ARCAC11	Asteraceae	Artemisia campestris var. caudata	5	Native	FACU	UPL	UPL
ARCAP3	Asteraceae	Artemisia campestris var. pacifica	5	Native	FACU	UPL	UPL
ARCAP5	Asteraceae	Artemisia campestris var. purshii	5	Native	FACU	UPL	UPL
ARCA13	Asteraceae	Artemisia cana	5	Native	FACU	FACU	FACU
ARCAC5	Asteraceae	Artemisia cana ssp. cana	5	Native	FACU	FACU	FACU
ARCAV2	Asteraceae	Artemisia cana ssp. viscidula	5	Native	FACU	FACU	FACU
ARCA14	Asteraceae	Artemisia carruthii	5	Native			
ARDR4	Asteraceae	Artemisia dracunculus	3	Native	FACU		FACU
ARFI2	Asteraceae	Artemisia filifolia	5	Native			
ARFR3	Asteraceae	Artemisia franserioides	4	Native			
ARFR4	Asteraceae	Artemisia frigida	4	Native			
ARLO7	Asteraceae	Artemisia longifolia	6	Native			
ARLU	Asteraceae	Artemisia ludoviciana	4	Native	FACU	UPL	FACU
ARLUA2	Asteraceae	Artemisia ludoviciana var. albula	9	Native	FACU	UPL	FACU
ARLUI	Asteraceae	Artemisia ludoviciana var. incompta	3	Native	FACU	UPL	FACU
ARLUL2	Asteraceae	Artemisia ludoviciana var. ludoviciana	4	Native	FACU	UPL	FACU
ARLUM	Asteraceae	Artemisia ludoviciana var. mexicana	2	Native	FACU	UPL	FACU
ARMI4	Asteraceae	Artemisia michauxiana	4	Native			
ARNO4	Asteraceae	Artemisia nova	6	Native			
ARPA17	Asteraceae	Artemisia parryi	7	Native			
ARPA18	Asteraceae	Artemisia pattersonii	9	Native			
ARPE6	Asteraceae	Artemisia pedatifida	6	Native			
ARPY2	Asteraceae	Artemisia pygmaea	6	Native			
ARSC	Asteraceae	Artemisia scopulorum	6	Native			
ARSP8	Asteraceae	Artemisia spiciformis	6	Native			
ARSP5	Asteraceae	Artemisia spinescens	6	Native			
ARTR2	Asteraceae	Artemisia tridentata	5	Native			
ARTRT	Asteraceae	Artemisia tridentata var. tridentata	4	Native			
ARTRV2	Asteraceae	Artemisia tridentata var. vaseyana	5	Native			
ARTRW	Asteraceae	Artemisia tridentata var. wyomingensis	6	Native			
ARTRT2	Asteraceae	Artemisia tripartita var. tripartita	5	Native			
ASAR	Apocynaceae	Asclepias arenaria	7	Native			
ASASA	Apocynaceae	Asclepias asperula ssp. asperula	8	Native			
ASCRC2	Apocynaceae	Asclepias cryptoceras ssp. cryptoceras	8	Native			
ASEN	Apocynaceae	Asclepias engelmanniana	5	Native			
ASHA6	Apocynaceae	Asclepias hallii	6	Native			
ASIN	Apocynaceae	Asclepias incarnata	4	Native	OBL	FACW	OBL
ASIN14	Apocynaceae	Asclepias involucrata	6	Native			
ASLA4	Apocynaceae	Asclepias latifolia	4	Native			
ASMA10	Apocynaceae	Asclepias macrosperma	3	Native			
ASMA	Apocynaceae	Asclepias macrotis	8	Native			
ASOE	Apocynaceae	Asclepias oenotheroides	8	Native	FACU	FACU	FACU
ASPU	Apocynaceae	Asclepias pumila	4	Native	UPL	UPL	UPL
ASRU6	Apocynaceae	Asclepias rusbyi	5	Native			
ASSP	Apocynaceae	Asclepias speciosa	3	Native	FAC	FAC	FAC
ASST	Apocynaceae	Asclepias stenophylla	7	Native			
ASSU2	Apocynaceae	Asclepias subverticillata	3	Native	UPL	FACU	FACU
ASTUI	Apocynaceae	Asclepias tuberosa ssp. interior	7	Native			
ASUNU2	Apocynaceae	Asclepias uncialis ssp. uncialis	8	Native			
ASVI	Apocynaceae	Asclepias viridiflora	6	Native			
ASOF	Asparagaceae	Asparagus officinalis	0	Non-native	FACU	FACU	FACU
ASPR	Boraginaceae	Asperugo procumbens	0	Non-native	UPL	UPL	UPL
ASAD	Aspleniaceae	Asplenium adiantum-nigrum	9	Native	FACU	FACU	FACU
ASPL	Aspleniaceae	Asplenium platyneuron	10	Native	FACU	FACU	FACU
ASRE	Aspleniaceae	Asplenium resiliens	10	Native			
ASSE	Aspleniaceae	Asplenium septentrionale	9	Native			
ASTRT	Aspleniaceae	Asplenium trichomanes ssp. trichomanes	10	Native	FAC	FAC	FAC
ASTR10	Aspleniaceae	Asplenium trichomanes-ramosum	10	Native			

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ASALV	Asteraceae	Aster alpinus var. vierhapperi	9	Native			
ASAG2	Fabaceae	Astragalus agrestis	6	Native	FACW	FACU	FAC
ASAL5	Fabaceae	Astragalus albulus	Not Assigned	Native			
ASALP	Fabaceae	Astragalus allochrous var. playanus	Not Assigned	Native			
ASAL7	Fabaceae	Astragalus alpinus	6	Native	FACU	FAC	FAC
ASAM3	Fabaceae	Astragalus americanus	Not Assigned	Native	FAC	FAC	FAC
ASAMV	Fabaceae	Astragalus amphioxys var. vespertinus	5	Native			
ASAN4	Fabaceae	Astragalus anisus	6	Native			
ASAR3	Fabaceae	Astragalus aretioides	7	Native			
ASARM	Fabaceae	Astragalus argophyllus var. martinii	6	Native	FACW	FACW	FACW
ASAS2	Fabaceae	Astragalus asclepiadoides	8	Native			
ASAU4	Fabaceae	Astragalus australis	8	Native			
ASBI2	Fabaceae	Astragalus bisulcatus	5	Native			
ASBIB	Fabaceae	Astragalus bisulcatus var. bisulcatus	5	Native			
ASBIH	Fabaceae	Astragalus bisulcatus var. haydenianus	5	Native			
ASBO	Fabaceae	Astragalus bodinii	8	Native	FACW	FAC	FACW
ASBR5	Fabaceae	Astragalus brandegeei	7	Native			
ASCA9	Fabaceae	Astragalus calycosus	7	Native			
ASCAC5	Fabaceae	Astragalus calycosus var. calycosus	7	Native			
ASCAS	Fabaceae	Astragalus calycosus var. scaposus	7	Native			
ASCA11	Fabaceae	Astragalus canadensis	5	Native	FACW	FAC	FAC
ASCAB	Fabaceae	Astragalus canadensis var. brevidens	5	Native	FACW	FAC	FAC
ASCAC6	Fabaceae	Astragalus canadensis var. canadensis	5	Native	FACW	FAC	FAC
ASCE	Fabaceae	Astragalus ceramicus	7	Native			
ASCEC	Fabaceae	Astragalus ceramicus var. ceramicus	6	Native			
ASCEF	Fabaceae	Astragalus ceramicus var. filifolius	7	Native			
ASCE2	Fabaceae	Astragalus cerussatus	7	Native			
ASCHC2	Fabaceae	Astragalus chamaeleuce var. chamaeleuce	7	Native			
ASCH7	Fabaceae	Astragalus chloodes	8	Native			
ASCI2	Fabaceae	Astragalus cibarius	4	Native			
ASCI4	Fabaceae	Astragalus cicer	0	Non-native			
ASCO8	Fabaceae	Astragalus coltonii	6	Native			
ASCOC8	Fabaceae	Astragalus coltonii var. coltonii	6	Native			
ASCOM2	Fabaceae	Astragalus coltonii var. moabensis	6	Native			
ASCO12	Fabaceae	Astragalus convallarius	6	Native			
ASCR2	Fabaceae	Astragalus crassicarpus	6	Native			
ASCR4	Fabaceae	Astragalus cronquistii	4	Native			
ASDE11	Fabaceae	Astragalus debequaeus	8	Native			
ASDE3	Fabaceae	Astragalus desperatus	8	Native			
ASDED	Fabaceae	Astragalus desperatus var. desperatus	8	Native			
ASDEN	Fabaceae	Astragalus desperatus var. neeseae	8	Native			
ASDE4	Fabaceae	Astragalus deterior	9	Native			
ASDE5	Fabaceae	Astragalus detritalis	8	Native			
ASDR3	Fabaceae	Astragalus drummondii	6	Native			
ASDU2	Fabaceae	Astragalus duchesnensis	9	Native			
ASEA2	Fabaceae	Astragalus eastwoodiae	8	Native			
ASEU2	Fabaceae	Astragalus eucosmus	7	Native	FACU	FACU	FACU
ASFA3	Fabaceae	Astragalus falcatus	0	Non-native			
ASFL	Fabaceae	Astragalus flavus	5	Native			
ASFL2	Fabaceae	Astragalus flexuosus	6	Native			
ASFLD	Fabaceae	Astragalus flexuosus var. diehlii	6	Native			
ASFLF	Fabaceae	Astragalus flexuosus var. flexuosus	6	Native			
ASFLG	Fabaceae	Astragalus flexuosus var. greenei	6	Native			
ASFU2	Fabaceae	Astragalus fucatus	Not Assigned	Native			
ASGEG	Fabaceae	Astragalus geyeri var. geyeri	Not Assigned	Native			
ASGI5	Fabaceae	Astragalus gilviflorus	9	Native			
ASGR3	Fabaceae	Astragalus gracilis	6	Native			
ASHAH	Fabaceae	Astragalus hallii var. hallii	4	Native			
ASHU	Fabaceae	Astragalus humillimus	9	Native			
ASHUH3	Fabaceae	Astragalus humistratus var. humistratus	9	Native			
ASHY2	Fabaceae	Astragalus hyalinus	9	Native			

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ASIO2	Fabaceae	Astragalus iodopetalus	7	Native			
ASJE2	Fabaceae	Astragalus jejunus	7	Native			
ASKE	Fabaceae	Astragalus kentrophyta	8	Native			
ASKEE	Fabaceae	Astragalus kentrophyta var. elatus	8	Native			
ASKEK	Fabaceae	Astragalus kentrophyta var. kentrophyta	7	Native			
ASKET	Fabaceae	Astragalus kentrophyta var. tegetarius	8	Native			
ASLAR	Fabaceae	Astragalus laxmannii var. robustior	6	Native			
ASLE8	Fabaceae	Astragalus lentiginosus	5	Native	UPL	FACU	UPL
ASLEC	Fabaceae	Astragalus lentiginosus var. chartaceus	5	Native	UPL	FACU	UPL
ASLED	Fabaceae	Astragalus lentiginosus var. diphysus	5	Native	FACU	UPL	UPL
ASLEP	Fabaceae	Astragalus lentiginosus var. palans	5	Native	UPL	FACU	UPL
ASLE9	Fabaceae	Astragalus leptaleus	8	Native	OBL	OBL	OBL
ASLI5	Fabaceae	Astragalus linifolius	8	Native			
ASLO3	Fabaceae	Astragalus lonchocarpus	6	Native			
ASLO4	Fabaceae	Astragalus lotiflorus	6	Native			
ASLU2	Fabaceae	Astragalus lutosus	9	Native			
ASME2	Fabaceae	Astragalus megacarpus	7	Native			
ASMI3	Fabaceae	Astragalus microcymbus	7	Native			
ASMIO	Fabaceae	Astragalus miser var. oblongifolius	6	Native			
ASMI10	Fabaceae	Astragalus missouriensis	6	Native			
ASMIA	Fabaceae	Astragalus missouriensis var. amphibolus	6	Native			
ASMIH2	Fabaceae	Astragalus missouriensis var. humistratus	6	Native			
ASMIM5	Fabaceae	Astragalus missouriensis var. missouriensis	6	Native			
ASMO7	Fabaceae	Astragalus mollissimus	5	Native			
ASMO8	Fabaceae	Astragalus molybdenus	8	Native			
ASMOC2	Fabaceae	Astragalus monumentalis var. cottamii	9	Native			
ASMU3	Fabaceae	Astragalus musiniensis	9	Native			
ASNA	Fabaceae	Astragalus naturitensis	5	Native			
ASNEN	Fabaceae	Astragalus newberryi var. newberryi	Not Assigned	Native			
ASNUM2	Fabaceae	Astragalus nuttallianus var. micranthiformis	1	Native			
ASOO	Fabaceae	Astragalus oocalycis	7	Native			
ASOOC	Fabaceae	Astragalus oophorus var. caulescens	7	Native			
ASOS	Fabaceae	Astragalus osterhoutii	8	Native			
ASPA13	Fabaceae	Astragalus parryi	4	Native			
ASPA14	Fabaceae	Astragalus pattersonii	6	Native			
ASPE5	Fabaceae	Astragalus pectinatus	5	Native			
ZZ_ASPEP50	Fabaceae	Astragalus pectinatus var. pectinatus	6	Native			
ASPEP	Fabaceae	Astragalus pectinatus var. platyphyllus	Not Assigned	Native			
ASPI6	Fabaceae	Astragalus piscator	7	Native			
ASPL2	Fabaceae	Astragalus plattensis	7	Native			
ASPR5	Fabaceae	Astragalus praelongus	5	Native			
ASPRL	Fabaceae	Astragalus praelongus var. lonchopus	5	Native			
ASPRP2	Fabaceae	Astragalus praelongus var. praelongus	5	Native			
ASPR6	Fabaceae	Astragalus preussii	Not Assigned	Native			
ASPR8	Fabaceae	Astragalus proximus	7	Native			
ASPU6	Fabaceae	Astragalus pubentissimus	7	Native			
ASPUP6	Fabaceae	Astragalus puniceus var. puniceus	6	Native			
ASPUP7	Fabaceae	Astragalus purshii var. purshii	7	Native			
ASRA2	Fabaceae	Astragalus racemosus	5	Native			
ASRAR2	Fabaceae	Astragalus racemosus var. racemosus	5	Native			
ASRAT	Fabaceae	Astragalus racemosus var. treleasei	5	Native			
ASRA3	Fabaceae	Astragalus rafaelensis	8	Native			
ASRI2	Fabaceae	Astragalus ripleyi	7	Native			
ASROM	Fabaceae	Astragalus robbinsii var. minor	7	Native	FAC	FAC	FAC
ASSA5	Fabaceae	Astragalus saurinus	8	Native			
ASSC5	Fabaceae	Astragalus schmolliae	8	Native			
ASSC7	Fabaceae	Astragalus scopulorum	7	Native			
ASSE5	Fabaceae	Astragalus sericoleucus	7	Native			
ASSE7	Fabaceae	Astragalus sesquiflorus	9	Native			
ASSH3	Fabaceae	Astragalus shortianus	7	Native			
ASSP5	Fabaceae	Astragalus sparsiflorus	6	Native			

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ASSPM	Fabaceae	Astragalus sparsiflorus var. majusculus	6	Native			
ASSPS3	Fabaceae	Astragalus sparsiflorus var. sparsiflorus	6	Native			
ASSP6	Fabaceae	Astragalus spatulatus	6	Native			
ASTE5	Fabaceae	Astragalus tenellus	6	Native			
ASTH2	Fabaceae	Astragalus thompsoniae	5	Native			
ASTO9	Fabaceae	Astragalus tortipes	10	Native			
ASTR7	Fabaceae	Astragalus tridactylicus	7	Native			
ASWE2	Fabaceae	Astragalus wetherillii	8	Native			
ASWI2	Fabaceae	Astragalus wingatanus	8	Native			
ASCOC3	Pteridaceae	Astrolepis cochisensis ssp. cochisensis	8	Native			
ASIN19	Pteridaceae	Astrolepis integerrima	8	Native			
ATALA2	Dryopteridaceae	Athyrium alpestre var. americanum	10	Native	FAC	FAC	FAC
ATFIC3	Dryopteridaceae	Athyrium filix-femina var. californicum	9	Native	FAC	FAC	FAC
ATAR2	Chenopodiaceae	Atriplex argentea	5	Native	FAC	FAC	FAC
ATCA2	Chenopodiaceae	Atriplex canescens	7	Native			
ATCO	Chenopodiaceae	Atriplex confertifolia	6	Native			
ATCO4	Chenopodiaceae	Atriplex corrugata	8	Native			
ATGA	Chenopodiaceae	Atriplex gardneri	6	Native			
ATGR	Chenopodiaceae	Atriplex graciliflora	Not Assigned	Native			
ATHE	Chenopodiaceae	Atriplex heterosperma	0	Non-native			
ATHO	Chenopodiaceae	Atriplex hortensis	0	Non-native	FAC	FAC	FAC
ATOB	Chenopodiaceae	Atriplex obovata	5	Native			
ATPA4	Chenopodiaceae	Atriplex patula	0	Non-native	FACW	FACW	FACW
ATPL2	Chenopodiaceae	Atriplex pleiantha	8	Native			
ATPO2	Chenopodiaceae	Atriplex powellii	7	Native			
ATRO	Chenopodiaceae	Atriplex rosea	0	Non-native	FACU	FACU	FACU
ATSA	Chenopodiaceae	Atriplex saccaria	5	Native			
ATSU2	Chenopodiaceae	Atriplex subspicata	5	Native			
ATSU	Chenopodiaceae	Atriplex suckleyi	3	Native	UPL	FAC	FAC
ATTR	Chenopodiaceae	Atriplex truncata	5	Native	FACU	FAC	FACU
ATWO	Chenopodiaceae	Atriplex wolfii	5	Native			
ATWOT	Chenopodiaceae	Atriplex wolfii var. tenuissima	5	Native			
ZZ_ATWOW50	Chenopodiaceae	Atriplex wolfii var. wolfii	5	Native			
AUSA	Brassicaceae	Aurinia saxatilis	0	Non-native			
AVFA	Poaceae	Avena fatua	0	Non-native			
AVSA	Poaceae	Avena sativa	0	Non-native	UPL	FACU	UPL
AVHO3	Poaceae	Avenula hookeri	5	Native			
AXAM	Chenopodiaceae	Axyris amaranthoides	0	Non-native			
AZME	Azollaceae	Azolla mexicana	6	Native	OBL	OBL	OBL
BASA	Asteraceae	Baccharis salicina	7	Native	FAC	FAC	FACW
BAWR	Asteraceae	Baccharis wrightii	8	Native	FACU	FACU	FACU
BARO	Plantaginaceae	Bacopa rotundifolia	Not Assigned	Native	OBL	OBL	OBL
BADI	Asteraceae	Bahia dissecta	5	Native			
BAHI2	Asteraceae	Balsamorhiza hispidula	5	Native			
BASA3	Asteraceae	Balsamorhiza sagittata	5	Native			
BAOR	Brassicaceae	Barbarea orthoceras	5	Native	FACW	OBL	FACW
BAVU	Brassicaceae	Barbarea vulgaris	0	Non-native	FAC	FACU	FAC
BAHY	Chenopodiaceae	Bassia hyssopifolia	0	Non-native	FACU	FACU	FACU
BESY	Poaceae	Beckmannia syzigachne	4	Native	OBL	OBL	OBL
BEFE	Berberidaceae	Berberis fendleri	5	Native			
BEFR	Berberidaceae	Berberis fremontii	6	Native			
BEHA	Berberidaceae	Berberis haematocarpa	5	Native			
BERE	Berberidaceae	Berberis repens	5	Native			
BEVU	Berberidaceae	Berberis vulgaris	0	Non-native	UPL	UPL	FACU
BETE	Elatinaceae	Bergia texana	7	Native	OBL	OBL	OBL
BELY	Asteraceae	Berlandiera lyrata	9	Native			
BEIN2	Brassicaceae	Berteroa incana	0	Non-native			
BEER	Apiaceae	Berula erecta	5	Native	OBL	OBL	OBL
BEAL	Plantaginaceae	Besseya alpina	9	Native	FACW	FACW	FACW
BEPL	Plantaginaceae	Besseya plantaginea	8	Native	FAC	FACW	FAC
BERI	Plantaginaceae	Besseya ritteriana	7	Native			

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BEWY	Plantaginaceae	Besseya wyomingensis	6	Native			
BEGL	Betulaceae	Betula glandulosa	9	Native	OBL	OBL	OBL
BEOC2	Betulaceae	Betula occidentalis	8	Native	FACW	FACW	FACW
BEPAP	Betulaceae	Betula papyrifera var. papyrifera	8	Native	FAC	FACU	FAC
BEPE3	Betulaceae	Betula pendula	0	Non-native	FACU	FACU	FACU
BIBI	Asteraceae	Bidens bigelovii	7	Native	FACW	FACW	FACW
BICE	Asteraceae	Bidens cernua	5	Native	OBL	OBL	OBL
BIFR	Asteraceae	Bidens frondosa	3	Native	FACW	FACW	FACW
BITE	Asteraceae	Bidens tenuisecta	4	Native	FACW	FACW	FAC
BITR	Asteraceae	Bidens tripartita	3	Native	FACW	FACW	OBL
BIVU	Asteraceae	Bidens vulgata	3	Native	OBL	FAC	FACW
BIBI5	Polygonaceae	Bistorta bistortoides	7	Native	FACW	OBL	FACW
BIVI2	Polygonaceae	Bistorta vivipara	8	Native	FAC	FACW	FAC
ARCO25	Brassicaceae	Boechera consanguinea	8	Native			
BOCR3	Brassicaceae	Boechera crandallii	7	Native			
ARLED2	Brassicaceae	Boechera drepanoloba	Not Assigned	Native	UPL	UPL	FACU
ARPUD	Brassicaceae	Boechera duchesnensis	Not Assigned	Native			
BOFE	Brassicaceae	Boechera fendleri	6	Native			
ARFEF2	Brassicaceae	Boechera fernaldiana var. vivariensis	10	Native			
ARPUP	Brassicaceae	Boechera formosa	8	Native			
ZZ_BOGL50	Brassicaceae	Boechera glareosa	Not Assigned	Native			
ARSE	Brassicaceae	Boechera gracilenta	8	Native			
BOGR6	Brassicaceae	Boechera grahamii	7	Native	FACU	FACU	FACU
BOGU	Brassicaceae	Boechera gunnisoniana	8	Native			
BOLE5	Brassicaceae	Boechera lemmonii	7	Native	UPL	UPL	FACU
BOLI6	Brassicaceae	Boechera lignifera	8	Native			
BOOX	Brassicaceae	Boechera oxylobula	7	Native			
BOPA14	Brassicaceae	Boechera pallidifolia	7	Native			
BOPE5	Brassicaceae	Boechera pendulina	10	Native			
BOPE6	Brassicaceae	Boechera perennans	7	Native			
BORE6	Brassicaceae	Boechera retrofracta	7	Native			
ARFES	Brassicaceae	Boechera spatifolia	5	Native			
BOST4	Brassicaceae	Boechera stricta	5	Native	FACU	FACU	FACU
BOFL3	Cyperaceae	Bolboschoenus fluviatilis	8	Native	OBL	OBL	OBL
BOMAP4	Cyperaceae	Bolboschoenus maritimus ssp. paludosus	5	Native	OBL	OBL	OBL
BOBA3	Poaceae	Bothriochloa barbinodis	5	Native	FACU	FACU	UPL
BOBL	Poaceae	Bothriochloa bladhii	0	Non-native	FACU	FACU	FACU
BOIS	Poaceae	Bothriochloa ischaemum	0	Non-native			
BOLA2	Poaceae	Bothriochloa laguroides	2	Native			
BOSP3	Poaceae	Bothriochloa springfieldii	6	Native			
BOAS2	Ophioglossaceae	Botrychium ascendens	6	Native	FACU	FAC	FAC
BOCA5	Ophioglossaceae	Botrychium campestre ssp. lineare	8	Native			
BOEC	Ophioglossaceae	Botrychium echo	6	Native			
BOPA12	Ophioglossaceae	Botrychium furculatum	4	Native			
BOHE5	Ophioglossaceae	Botrychium hesperium	6	Native	FACU	FACU	FACU
BOLAL	Ophioglossaceae	Botrychium lanceolatum ssp. lanceolatum	4	Native	FACW	FACW	FACW
BOCR	Ophioglossaceae	Botrychium lunaria var. crenulatum	6	Native	FAC	FAC	FAC
BOMI	Ophioglossaceae	Botrychium minganense	4	Native			
BOLU	Ophioglossaceae	Botrychium neolunaria	5	Native			
BOPA9	Ophioglossaceae	Botrychium paradoxum	9	Native			
BOPI	Ophioglossaceae	Botrychium pinnatum	4	Native	UPL	UPL	FACU
BOSI	Ophioglossaceae	Botrychium simplex	4	Native	FAC	FAC	FAC
BOSIC	Ophioglossaceae	Botrychium simplex var. compositum	4	Native	FAC	FAC	FAC
BOSIS	Ophioglossaceae	Botrychium simplex var. simplex	4	Native	FAC	FAC	FAC
BOSP4	Ophioglossaceae	Botrychium spathulatum	6	Native			
BOTU3	Ophioglossaceae	Botrychium tunux	6	Native			
BOVI8	Ophioglossaceae	Botrypus virginianus	9	Native	FAC	FACU	FAC
BOBA2	Poaceae	Bouteloua barbata	7	Native			
BOCU	Poaceae	Bouteloua curtipendula	6	Native			
BOER4	Poaceae	Bouteloua eriopoda	7	Native			
BOGR2	Poaceae	Bouteloua gracilis	4	Native			

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BOHIH	Poaceae	Bouteloua hirsuta var. hirsuta	6	Native			
BOSI2	Poaceae	Bouteloua simplex	2	Native			
BRDI2	Poaceae	Brachypodium distachyon	0	Non-native			
BREL2	Brassicaceae	Brassica elongata	0	Non-native			
BRJU	Brassicaceae	Brassica juncea	0	Non-native	UPL	FACU	FACU
BRNA	Brassicaceae	Brassica napus	0	Non-native			
BRNI	Brassicaceae	Brassica nigra	0	Non-native			
BRRA	Brassicaceae	Brassica rapa	0	Non-native	FACU	UPL	FACU
BRGLG	Brassicaceae	Braya glabella ssp. glabella	10	Native	FACW	FACU	FAC
BRHU	Brassicaceae	Braya humilis ssp. humilis	10	Native	UPL	FACU	UPL
BRBR2	Asteraceae	Brickellia brachyphylla	8	Native			
BRCA3	Asteraceae	Brickellia californica	7	Native	FACU	FACU	FACU
BREU	Asteraceae	Brickellia eupatorioides	6	Native			
BRGR	Asteraceae	Brickellia grandiflora	8	Native			
BRLO	Asteraceae	Brickellia longifolia	7	Native			
BRMIS	Asteraceae	Brickellia microphylla var. scabra	9	Native			
BROBL	Asteraceae	Brickellia oblongifolia var. linifolia	8	Native			
BRBR5	Poaceae	Bromus briziformis	0	Non-native	UPL	UPL	UPL
BRCA5	Poaceae	Bromus carinatus	4	Native			
BRCI2	Poaceae	Bromus ciliatus	5	Native	FAC	FAC	FAC
BRCO4	Poaceae	Bromus commutatus	0	Non-native			
BRDI3	Poaceae	Bromus diandrus	0	Non-native			
BRFR2	Poaceae	Bromus frondosus	6	Native			
BRHOH	Poaceae	Bromus hordeaceus ssp. hordeaceus	0	Non-native	FACU	UPL	FACU
BRIN2	Poaceae	Bromus inermis	0	Non-native	UPL	UPL	FACU
BRJA	Poaceae	Bromus japonicus	0	Non-native	UPL	FACU	FACU
BRLA6	Poaceae	Bromus lanatipes	6	Native			
BRMU4	Poaceae	Bromus mucroglumis	Not Assigned	Native			
BRPO	Poaceae	Bromus polyanthus	6	Native			
BRPO2	Poaceae	Bromus porteri	5	Native			
BRPU6	Poaceae	Bromus pubescens	7	Native	FACU	FACU	FACU
BRPU3	Poaceae	Bromus pumpellianus	6	Native	UPL	UPL	FACU
BRRA2	Poaceae	Bromus racemosus	0	Non-native			
BRRI2	Poaceae	Bromus richardsonii	6	Native	FACU	FACU	FACU
BRRU2	Poaceae	Bromus rubens	0	Non-native	FACU	UPL	UPL
BRSE	Poaceae	Bromus secalinus	0	Non-native			
BRSQ2	Poaceae	Bromus squarrosus	0	Non-native			
BRST2	Poaceae	Bromus sterilis	0	Non-native			
BRTE	Poaceae	Bromus tectorum	0	Non-native			
BUDA	Poaceae	Buchloë dactyloides	4	Native	UPL	FACU	FACU
BUAM2	Apiaceae	Bupleurum americanum	10	Native			
CACA4	Poaceae	Calamagrostis canadensis	6	Native	FACW	FACW	FACW
CAMO	Poaceae	Calamagrostis montanensis	6	Native			
CAPU	Poaceae	Calamagrostis purpurascens	7	Native			
CARU	Poaceae	Calamagrostis rubescens	6	Native			
CASC	Poaceae	Calamagrostis scopulorum	8	Native	FAC	FAC	FAC
CAST36	Poaceae	Calamagrostis stricta	7	Native	FACW	FACW	FACW
CAGI3	Poaceae	Calamovilfa gigantea	7	Native			
CALO	Poaceae	Calamovilfa longifolia	7	Native			
CAIN2	Malvaceae	Callirhoe involucrata	5	Native			
CAHE2	Plantaginaceae	Callitriche hermaphroditica	5	Native	OBL	OBL	OBL
CAHEH	Plantaginaceae	Callitriche heterophylla ssp. heterophylla	6	Native	OBL	OBL	OBL
CAPA52	Plantaginaceae	Callitriche palustris	5	Native	OBL	OBL	OBL
CAFL	Liliaceae	Calochortus flexuosus	5	Native			
CAGU	Liliaceae	Calochortus gunnisonii	7	Native			
CANU3	Liliaceae	Calochortus nuttallii	7	Native			
CALEL4	Ranunculaceae	Caltha leptosepala	7	Native	OBL	OBL	OBL
CABE6	Onagraceae	Calylophus berlandieri	8	Native			
CABUA	Orchidaceae	Calypso bulbosa var. americana	8	Native	FACU	FACW	FAC
CAMA23	Convolvulaceae	Calystegia macounii	2	Native			
CASE13	Convolvulaceae	Calystegia sepium	2	Native	FAC	FAC	FAC

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CAAL21	Brassicaceae	Camelina alyssum	0	Non-native	FACU	FACU	FACU
CAMI2	Brassicaceae	Camelina microcarpa	0	Non-native	FACU	UPL	FACU
CARU15	Brassicaceae	Camelina rumelica	0	Non-native			
CASA2	Brassicaceae	Camelina sativa	0	Non-native	FACU	FACU	FACU
CAPA39	Onagraceae	Camissonia parvula	Not Assigned	Native			
CAAP2	Campanulaceae	Campanula aparinoides	5	Native	OBL	OBL	OBL
CAGL2	Campanulaceae	Campanula glomerata	0	Non-native			
CAPAP2	Campanulaceae	Campanula parryi var. parryi	7	Native	FAC	FAC	FACU
CARA	Campanulaceae	Campanula rapunculoides	0	Non-native			
CARO2	Campanulaceae	Campanula rotundifolia	5	Native	FACU	FAC	FACU
CAUN2	Campanulaceae	Campanula uniflora	8	Native	FAC		FAC
CARA2	Bignoniaceae	Campsis radicans	0	Non-native	FACU	FACU	FACU
CASAS3	Cannabaceae	Cannabis sativa ssp. sativa	0	Non-native			
CABU2	Brassicaceae	Capsella bursa-pastoris	0	Non-native	FACU	FACU	FACU
CAAR18	Fabaceae	Caragana arborescens	0	Non-native			
CAAU10	Fabaceae	Caragana aurantiaca	0	Non-native			
CABR6	Brassicaceae	Cardamine breweri	7	Native	FACW	FACW	FACW
CACO6	Brassicaceae	Cardamine cordifolia	8	Native	FACW	OBL	FACW
CAOL	Brassicaceae	Cardamine oligosperma	6	Native	FAC	FAC	FAC
CAPE3	Brassicaceae	Cardamine pensylvanica	9	Native	FACW	FACW	FACW
CAAC	Asteraceae	Carduus acanthoides	0	Non-native			
CANU4	Asteraceae	Carduus nutans	0	Non-native	UPL	FACU	FACU
CAAL6	Cyperaceae	Carex albonigra	8	Native	FACU	FAC	FACU
CAAQ	Cyperaceae	Carex aquatilis	6	Native	OBL	OBL	OBL
CAAR13	Cyperaceae	Carex arapahoensis	10	Native			
CAAT2	Cyperaceae	Carex atherodes	6	Native	OBL	OBL	OBL
CAAT3	Cyperaceae	Carex athrostachya	7	Native	FACW	FACW	FACW
CAAT8	Cyperaceae	Carex atrosquama	8	Native	FAC	FACU	FACU
CAAU3	Cyperaceae	Carex aurea	7	Native	FACW	OBL	OBL
CABA3	Cyperaceae	Carex backii	9	Native			
CABE2	Cyperaceae	Carex bebbii	7	Native	OBL	OBL	OBL
CABE3	Cyperaceae	Carex bella	9	Native	FACU	FAC	FACU
CABR10	Cyperaceae	Carex brevior	5	Native	FAC	FAC	FAC
CABR15	Cyperaceae	Carex brunnescens	9	Native	OBL	FAC	OBL
CABU6	Cyperaceae	Carex buxbaumii	9	Native	OBL	OBL	OBL
CACAC6	Cyperaceae	Carex canescens ssp. canescens	8	Native	OBL	OBL	OBL
CACA12	Cyperaceae	Carex capillaris	9	Native	FACW	FACW	FACW
CACA13	Cyperaceae	Carex capitata	10	Native	FACW	FACW	FAC
CACH21	Cyperaceae	Carex chalciolepis	9	Native	FAC	FACW	FAC
CACO10	Cyperaceae	Carex concinna	9	Native	FAC	FACU	FAC
CACO14	Cyperaceae	Carex conoidea	7	Native	FAC	FAC	FACW
CACR3	Cyperaceae	Carex crawei	8	Native	FACW	FACW	FACW
CACR4	Cyperaceae	Carex crawfordii	5	Native	FACW	OBL	FAC
CADEB3	Cyperaceae	Carex deflexa var. boottii	6	Native			
CADE9	Cyperaceae	Carex deweyana	8	Native	FAC	FACU	FACU
CADI4	Cyperaceae	Carex diandra	9	Native	OBL	OBL	OBL
CADI6	Cyperaceae	Carex disperma	9	Native	FACW	FACW	OBL
CADO2	Cyperaceae	Carex douglasii	5	Native	FAC	FAC	FAC
CADU6	Cyperaceae	Carex duriuscula	7	Native			
CAEB	Cyperaceae	Carex ebenea	4	Native			
CAECE	Cyperaceae	Carex echinata ssp. echinata	9	Native	OBL	OBL	OBL
CAEG	Cyperaceae	Carex egglestonii	5	Native	FACU	FACU	FACU
CAEL3	Cyperaceae	Carex elynoides	8	Native	FAC	FAC	FAC
CAEM2	Cyperaceae	Carex emoryi	5	Native	OBL	OBL	OBL
CAEN3	Cyperaceae	Carex engelmannii	10	Native			
CAEP3	Cyperaceae	Carex epapillosa	10	Native	FAC	FACW	FAC
CAEX5	Cyperaceae	Carex exsiccata	10	Native	OBL	OBL	OBL
CAFI	Cyperaceae	Carex filifolia	6	Native			
CAFU8	Cyperaceae	Carex fuliginosa	9	Native	FACU	FACW	FACU
CAGE	Cyperaceae	Carex geophila	7	Native			
CAGE2	Cyperaceae	Carex geyeri	6	Native			

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CAGR4	Cyperaceae	Carex gravida	4	Native	FACW	FACW	FACW
CAGY2	Cyperaceae	Carex gynocrates	10	Native	OBL	OBL	OBL
CAHA5	Cyperaceae	Carex hassei	7	Native	FACW		FACW
CAHA6	Cyperaceae	Carex haydeniana	9	Native	FAC	FACU	FAC
CAHE8	Cyperaceae	Carex heteroneura	8	Native	FAC	FACW	FAC
CAHO5	Cyperaceae	Carex hoodii	6	Native	FACU	UPL	FAC
CAHY4	Cyperaceae	Carex hystericina	6	Native	OBL	OBL	OBL
CAIL	Cyperaceae	Carex illota	9	Native	FACW	FACW	FACW
CAIN8	Cyperaceae	Carex incurviformis	10	Native	FAC	FAC	FAC
CAIN7	Cyperaceae	Carex infirminervia	Not Assigned	Native	FAC	FAC	FAC
CAINH2	Cyperaceae	Carex inops ssp. heliophila	7	Native			
CAIN11	Cyperaceae	Carex interior	7	Native	OBL	OBL	OBL
CAJO	Cyperaceae	Carex jonesii	9	Native	OBL	FACW	FACW
CALA10	Cyperaceae	Carex lachenalii	10	Native	OBL	OBL	OBL
CALA13	Cyperaceae	Carex laeviculmis	8	Native	FACW	FACW	FACW
CALA11	Cyperaceae	Carex lasiocarpa	8	Native	OBL	OBL	OBL
CALEL3	Cyperaceae	Carex lenticularis var. lipocarpa	9	Native	OBL	OBL	OBL
CALE9	Cyperaceae	Carex leporinella	7	Native	OBL	FACW	FACW
CALE10	Cyperaceae	Carex leptalea	10	Native	OBL	OBL	OBL
CALI7	Cyperaceae	Carex limosa	9	Native	OBL	OBL	OBL
CALI	Cyperaceae	Carex livida	10	Native	OBL	OBL	OBL
CAMA9	Cyperaceae	Carex macloviana	6	Native	FACW	FACW	FACW
CAMAI2	Cyperaceae	Carex magellanica ssp. irrigua	9	Native	OBL	OBL	OBL
CAMI6	Cyperaceae	Carex microglochin	9	Native	FACW	OBL	OBL
CAMI16	Cyperaceae	Carex micropoda	10	Native	FACU	FACU	FAC
CAMI7	Cyperaceae	Carex microptera	5	Native	FACU	FAC	FAC
CANA2	Cyperaceae	Carex nardina	10	Native	FACU	FACU	FACU
CANE2	Cyperaceae	Carex nebrascensis	5	Native	OBL	OBL	OBL
CANE3	Cyperaceae	Carex nelsonii	9	Native	FAC	FAC	FAC
CANE6	Cyperaceae	Carex neurophora	7	Native	FACW	FACW	FACW
CANI2	Cyperaceae	Carex nigricans	8	Native	FACW	FACW	FACW
CANO2	Cyperaceae	Carex norvegica	8	Native			
CANO3	Cyperaceae	Carex nova	10	Native	FAC	FACW	FAC
CAOB4	Cyperaceae	Carex obtusata	8	Native			
CAOC2	Cyperaceae	Carex occidentalis	7	Native			
CAOR	Cyperaceae	Carex oreocharis	8	Native			
CAPA14	Cyperaceae	Carex pachystachya	7	Native	FAC	FAC	FAC
CAPA18	Cyperaceae	Carex parryana	8	Native	FACW	FACW	FAC
CAPAU	Cyperaceae	Carex parryana var. unica	9	Native	FACW	FAC	FACW
CAPA31	Cyperaceae	Carex paysonis	7	Native	FACU	FACU	FACU
CAPE11	Cyperaceae	Carex peckii	10	Native			
CAPE42	Cyperaceae	Carex pellita	6	Native	OBL	OBL	OBL
CAPE5	Cyperaceae	Carex pelocarpa	10	Native	FAC	FACU	FAC
CAPE12	Cyperaceae	Carex perglobosa	10	Native			
CAPE7	Cyperaceae	Carex petasata	6	Native	UPL	UPL	FAC
CAPH2	Cyperaceae	Carex phaeocephala	9	Native	UPL	FACU	FACU
CAPI7	Cyperaceae	Carex pityophila	9	Native			
CAPR22	Cyperaceae	Carex praeceptorum	9	Native	OBL	OBL	OBL
CAPR5	Cyperaceae	Carex praegracilis	5	Native	FACW	FACW	FACW
CAPR7	Cyperaceae	Carex praticola	6	Native	FACW	FAC	FACW
CARA6	Cyperaceae	Carex raynoldsii	8	Native	FACU	FACU	FACU
CARE4	Cyperaceae	Carex retrorsa	7	Native	OBL	OBL	OBL
CARO5	Cyperaceae	Carex rossii	6	Native			
CARU3	Cyperaceae	Carex rupestris	9	Native	FACU	FACU	FACU
CASA8	Cyperaceae	Carex sartwellii	9	Native	OBL	FACW	OBL
CASA10	Cyperaceae	Carex saxatilis	8	Native	OBL	OBL	OBL
CASA9	Cyperaceae	Carex saximontana	10	Native			
CASC10	Cyperaceae	Carex scirpoidea	9	Native	FAC	FACU	FAC
CASCP3	Cyperaceae	Carex scirpoidea ssp. pseudoscirpoidea	10	Native	FAC	FACU	FAC
CASCS8	Cyperaceae	Carex scirpoidea ssp. scirpoidea	9	Native	FAC	FACU	FAC
CASCS	Cyperaceae	Carex scoparia var. scoparia	6	Native	FACW	FACW	FACW

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CASC12	Cyperaceae	Carex scopulorum	7	Native	OBL	FACW	FACW
CASI12	Cyperaceae	Carex siccata	6	Native	FACU	UPL	UPL
CASI2	Cyperaceae	Carex simulata	6	Native	OBL	OBL	OBL
CASP7	Cyperaceae	Carex sprengelii	10	Native	FAC	FACU	FAC
CAST4	Cyperaceae	Carex stenoptila	4	Native			
CAST22	Cyperaceae	Carex stevenii	8	Native	FAC	FAC	FAC
CASTS3	Cyperaceae	Carex stipata var. stipata	6	Native	OBL	OBL	OBL
CASY	Cyperaceae	Carex sychnocephala	Not Assigned	Native	FACW	FACW	FACW
CATA	Cyperaceae	Carex tahoensis	7	Native			
CATE3	Cyperaceae	Carex tenera var. tenera	8	Native	FACW	FACW	FACW
CATE5	Cyperaceae	Carex tenuiflora	10	Native	OBL	OBL	OBL
CATO3	Cyperaceae	Carex torreyi	8	Native	FAC	UPL	FAC
CAUT	Cyperaceae	Carex utriculata	5	Native	OBL	OBL	OBL
CAVA3	Cyperaceae	Carex vallicola	7	Native	FAC	FAC	FAC
CAVE5	Cyperaceae	Carex vernacula	10	Native	FAC	FAC	FAC
CAVE6	Cyperaceae	Carex vesicaria	8	Native	OBL	OBL	OBL
CAVIV	Cyperaceae	Carex viridula ssp. viridula	9	Native	OBL	OBL	OBL
CAVU2	Cyperaceae	Carex vulpinoidea	5	Native	OBL	FACW	OBL
CAWO	Cyperaceae	Carex wootonii	Not Assigned	Native			
CAXE	Cyperaceae	Carex xerantica	8	Native	UPL	UPL	FAC
CATI	Asteraceae	Carthamus tinctorius	0	Non-native			
CACA19	Apiaceae	Carum carvi	0	Non-native	FACU	UPL	FACU
CACH7	Orobanchaceae	Castilleja chromosa	7	Native			
CAFL7	Orobanchaceae	Castilleja flava	7	Native			
CAHA16	Orobanchaceae	Castilleja haydenii	9	Native			
CAIN14	Orobanchaceae	Castilleja integra	6	Native			
CALI4	Orobanchaceae	Castilleja linariifolia	6	Native			
CALI5	Orobanchaceae	Castilleja lineata	8	Native	FACW	FACW	FACW
CAMI12	Orobanchaceae	Castilleja miniata	7	Native	FACW	FAC	FACW
CAMI13	Orobanchaceae	Castilleja minor	8	Native	OBL	OBL	OBL
CAOC4	Orobanchaceae	Castilleja occidentalis	8	Native	FAC	FAC	FAC
CAPU19	Orobanchaceae	Castilleja puberula	8	Native			
CARH4	Orobanchaceae	Castilleja rhexiifolia	8	Native	FAC	FAC	FAC
CASCS4	Orobanchaceae	Castilleja scabrida var. scabrida	9	Native			
CASE5	Orobanchaceae	Castilleja sessiliflora	7	Native			
CASU12	Orobanchaceae	Castilleja sulphurea	7	Native	FACW	FAC	FACU
CAAQ3	Poaceae	Catabrosa aquatica	7	Native	OBL	OBL	OBL
CASP8	Bignoniaceae	Catalpa speciosa	0	Non-native	FACU	FACU	FAC
CACR11	Brassicaceae	Caulanthus crassicaulis	6	Native			
CEFE	Rhamnaceae	Ceanothus fendleri	7	Native			
CEHE	Rhamnaceae	Ceanothus herbaceus	7	Native			
CEMA2	Rhamnaceae	Ceanothus martinii	7	Native			
CEVE	Rhamnaceae	Ceanothus velutinus	7	Native			
CERE2	Cannabaceae	Celtis reticulata	6	Native	FACU	UPL	FAC
CELO3	Poaceae	Cenchrus longispinus	1	Native	UPL	UPL	UPL
CESP4	Poaceae	Cenchrus spinifex	Not Assigned	Native	UPL	UPL	UPL
CECY2	Asteraceae	Centaurea cyanus	0	Non-native	FACU	FACU	FACU
CEDI3	Asteraceae	Centaurea diffusa	0	Non-native			
CEJA	Asteraceae	Centaurea jacea	0	Non-native	FACU	FACU	FACU
CEMA9	Asteraceae	Centaurea macrocephala	0	Non-native			
CEMO	Asteraceae	Centaurea montana	0	Non-native			
CESO3	Asteraceae	Centaurea solstitialis	0	Non-native			
CESTM	Asteraceae	Centaurea stoebe ssp. micranthos	0	Non-native			
CEVI	Asteraceae	Centaurea virgata	0	Non-native			
CEAR12	Gentianaceae	Centaurium arizonicum	3	Native			
CEEX	Gentianaceae	Centaurium exaltatum	7	Native	FACW	FACW	FACW
CEPU3	Gentianaceae	Centaurium pulchellum	0	Non-native	FACU	FACU	FACU
CEARS2	Caryophyllaceae	Cerastium arvense ssp. strictum	5	Native	FACU	FACU	FACU
CEBE2	Caryophyllaceae	Cerastium beeringianum	7	Native	FACU	FAC	FACU
CEBR3	Caryophyllaceae	Cerastium brachypodum	6	Native	FAC	FACU	FAC
CEFOV2	Caryophyllaceae	Cerastium fontanum ssp. vulgare	0	Non-native	FACU	FACU	FACU

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					Mtns	Plains	West
CEDE4	Ceratophyllaceae	Ceratophyllum demersum	1	Native	OBL	OBL	OBL
CEIN7	Rosaceae	Cercocarpus intricatus	8	Native			
CELE3	Rosaceae	Cercocarpus ledifolius	7	Native			
CEMO2	Rosaceae	Cercocarpus montanus	6	Native			
CHDO	Asteraceae	Chaenactis douglasii	5	Native			
CHDOA2	Asteraceae	Chaenactis douglasii var. alpina	6	Native			
CHDOD	Asteraceae	Chaenactis douglasii var. douglasii	5	Native			
CHST	Asteraceae	Chaenactis stevioides	3	Native			
CHMI	Plantaginaceae	Chaenorhinum minus	0	Non-native			
CHER2	Asteraceae	Chaetopappa ericoides	4	Native			
CHSC	Asteraceae	Chamaechaenactis scaposa	9	Native			
CHERP2	Rosaceae	Chamaerhodos erecta var. parviflora	7	Native			
CHCO	Solanaceae	Chamaesaracha coniodes	5	Native			
CHCO2	Solanaceae	Chamaesaracha coronopus	5	Native			
CHFE3	Euphorbiaceae	Chamaesyce fendleri	5	Native			
CHGE2	Euphorbiaceae	Chamaesyce geyeri	5	Native			
CHGL13	Euphorbiaceae	Chamaesyce glyptosperma	2	Native			
CHLA10	Euphorbiaceae	Chamaesyce lata	7	Native			
CHMA15	Euphorbiaceae	Chamaesyce maculata	3	Native	UPL	FACU	UPL
CHMI8	Euphorbiaceae	Chamaesyce missurica	6	Native			
CHPA28	Euphorbiaceae	Chamaesyce parryi	2	Native			
CHPR6	Euphorbiaceae	Chamaesyce prostrata	1	Native	FACU	UPL	FACU
CHRE4	Euphorbiaceae	Chamaesyce revoluta	4	Native			
CHSE4	Euphorbiaceae	Chamaesyce serpens	2	Native	FAC	FACU	FACU
CHSE6	Euphorbiaceae	Chamaesyce serpyllifolia	2	Native			
CHST8	Euphorbiaceae	Chamaesyce stictospora	1	Native			
CHAN9	Onagraceae	Chamerion angustifolium	4	Native	FACU	FAC	FACU
CHLA13	Onagraceae	Chamerion latifolium	7	Native	FACW		FACW
CHEA	Pteridaceae	Cheilanthes eatonii	9	Native			
CHFE	Pteridaceae	Cheilanthes feei	9	Native			
CHFE2	Pteridaceae	Cheilanthes fendleri	9	Native			
CHWO	Pteridaceae	Cheilanthes wootonii	9	Native			
CHMAM	Papaveraceae	Chelidonium majus var. majus	0	Non-native	FACU	FACU	FACU
CHAL7	Chenopodiaceae	Chenopodium album	0	Non-native	FACU	FACU	FACU
CHALA	Chenopodiaceae	Chenopodium album var. album	0	Non-native	FACU	FACU	FACU
CHALM2	Chenopodiaceae	Chenopodium album var. missouriense	2	Native	FACU	FACU	FACU
CHALS2	Chenopodiaceae	Chenopodium album var. striatum	3	Native	FACU	FACU	FACU
CHAT	Chenopodiaceae	Chenopodium atrovirens	5	Native			
CHBEZ	Chenopodiaceae	Chenopodium berlandieri var. zschackii	2	Native			
CHCA4	Chenopodiaceae	Chenopodium capitatum	4	Native			
CHCH	Chenopodiaceae	Chenopodium chenopodioides	3	Native	FAC	FACW	FACW
CHCY	Chenopodiaceae	Chenopodium cycloides	9	Native			
CHDE	Chenopodiaceae	Chenopodium desiccatum	3	Native			
CHFO2	Chenopodiaceae	Chenopodium foliosum	0	Non-native	FACU	FACU	FACU
CHFR3	Chenopodiaceae	Chenopodium fremontii	6	Native	FACU	FACU	FACU
CHGL3	Chenopodiaceae	Chenopodium glaucum	0	Non-native	FAC	FAC	FAC
ZZ_CHGLG50	Chenopodiaceae	Chenopodium glaucum var. glaucum	0	Non-native	FAC	FAC	FAC
CHGLS3	Chenopodiaceae	Chenopodium glaucum var. salinum	5	Native	FAC	FAC	FAC
CHHI	Chenopodiaceae	Chenopodium hians	Not Assigned	Native			
CHINI	Chenopodiaceae	Chenopodium incanum var. incanum	5	Native			
CHLE4	Chenopodiaceae	Chenopodium leptophyllum	5	Native	FACU	FACU	FACU
CHOV	Chenopodiaceae	Chenopodium overi	5	Native			
CHPR5	Chenopodiaceae	Chenopodium pratericola	4	Native			
CHRU	Chenopodiaceae	Chenopodium rubrum	2	Native	FACW	OBL	FACW
CHSI2	Chenopodiaceae	Chenopodium simplex	2	Native			
CHSU2	Chenopodiaceae	Chenopodium subglabrum	5	Native			
CHWA	Chenopodiaceae	Chenopodium watsonii	4	Native			
CHUM	Ericaceae	Chimaphila umbellata	9	Native			
CHJA	Plantaginaceae	Chionophila jamesii	9	Native	FACU	FACU	FACU
CHVE2	Poaceae	Chloris verticillata	1	Native			
CHVI4	Poaceae	Chloris virgata	2	Native	FACU	FACU	FACU

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CHTE2	Brassicaceae	Chorispora tenella	0	Non-native			
CHCO7	Asteraceae	Chrysanthemum coronarium	0	Non-native			
CHTE3	Saxifragaceae	Chrysosplenium tetrandrum	10	Native	OBL		OBL
CHBA11	Asteraceae	Chrysothamnus baileyi	3	Native			
CHDE2	Asteraceae	Chrysothamnus depressus	6	Native			
CHGR6	Asteraceae	Chrysothamnus greenei	6	Native			
CHLI3	Asteraceae	Chrysothamnus linifolius	6	Native	FAC		FAC
CHVA2	Asteraceae	Chrysothamnus vaseyi	5	Native			
CHVI8	Asteraceae	Chrysothamnus viscidiflorus	5	Native			
CHVIL6	Asteraceae	Chrysothamnus viscidiflorus var. lanceolatus	7	Native			
CHVIV2	Asteraceae	Chrysothamnus viscidiflorus var. viscidiflorus	4	Native			
CAEA	Onagraceae	Chylismia eastwoodiae	8	Native			
CASC18	Onagraceae	Chylismia scapoidea ssp. scapoidea	7	Native			
CAWA3	Onagraceae	Chylismia walkeri	8	Native			
CIIN	Asteraceae	Cichorium intybus	0	Non-native	FACU	FACU	FACU
CIMA2	Apiaceae	Cicuta maculata	3	Native	OBL	OBL	OBL
CILA2	Poaceae	Cinna latifolia	6	Native	FACW	OBL	FACW
CIAL	Onagraceae	Circaea alpina	8	Native	FAC	FACW	FAC
CICA10	Asteraceae	Cirsium arizonicum var. bipinnatum	8	Native	FAC	FAC	FACU
CIAR4	Asteraceae	Cirsium arvense	0	Non-native	FAC	FACU	FACU
CIBA	Asteraceae	Cirsium barnebyi	6	Native			
CICA11	Asteraceae	Cirsium canescens	6	Native			
CICL	Asteraceae	Cirsium clavatum	6	Native			
CICE	Asteraceae	Cirsium clavatum var. americanum	6	Native			
ZZ_CICLC50	Asteraceae	Cirsium clavatum var. clavatum	6	Native			
CIEA	Asteraceae	Cirsium eatonii	6	Native			
CIFL	Asteraceae	Cirsium flodmanii	3	Native	FAC	FAC	FAC
CINE	Asteraceae	Cirsium neomexicanum	4	Native			
CIOC2	Asteraceae	Cirsium ochrocentrum	4	Native			
CIOS	Asteraceae	Cirsium osterhoutii	6	Native			
CIOW	Asteraceae	Cirsium ownbeyi	9	Native			
CIPA	Asteraceae	Cirsium parryi	5	Native	FACW	FACW	FACW
CIPE5	Asteraceae	Cirsium perplexans	6	Native			
CIPU3	Asteraceae	Cirsium pulcherrimum var. pulcherrimum	6	Native	FAC	FAC	FACU
CISC2	Asteraceae	Cirsium scariosum	6	Native	FAC	FAC	FAC
CISC3	Asteraceae	Cirsium scopulorum	6	Native			
CITR4	Asteraceae	Cirsium tracyi	5	Native	FACU	FACU	FACU
CIUN	Asteraceae	Cirsium undulatum	5	Native	FACU	FACU	FACU
CIVU	Asteraceae	Cirsium vulgare	0	Non-native	FACU	UPL	FACU
CIWH	Asteraceae	Cirsium wheeleri	Not Assigned	Native			
CLLA2	Montiaceae	Claytonia lanceolata	7	Native	FAC	FACW	FAC
CLME	Montiaceae	Claytonia megarhiza	8	Native	FACU	FACU	FACU
CLPEI	Montiaceae	Claytonia perfoliata ssp. intermontana	Not Assigned	Native	FAC	FACW	FAC
CLRO5	Montiaceae	Claytonia rosea	7	Native			
CLRU2	Montiaceae	Claytonia rubra	7	Native			
CLCOC2	Ranunculaceae	Clematis columbiana var. columbiana	6	Native			
CLOCG	Ranunculaceae	Clematis grosseserrata	6	Native			
CLHI	Ranunculaceae	Clematis hirsutissima	6	Native			
CLLI2	Ranunculaceae	Clematis ligusticifolia	4	Native	FAC	FACU	FAC
CLOR	Ranunculaceae	Clematis orientalis	0	Non-native			
CLSC2	Ranunculaceae	Clematis scottii	6	Native			
CLLUL	Capparaceae	Cleome lutea var. lutea	3	Native	FACU	FACU	FACU
CLMU	Capparaceae	Cleome multicaulis	4	Native	FACW	FACW	FACW
CLSE	Capparaceae	Cleome serrulata	2	Native	FACU	FACU	FACU
CLAN	Capparaceae	Cleomella angustifolia	6	Native	FAC	FAC	
CLPA3	Capparaceae	Cleomella palmeriana	7	Native			
CLVU	Lamiaceae	Clinopodium vulgare	0	Non-native			
COVI6	Orchidaceae	Coeloglossum viride	7	Native	FAC	FACU	FAC
CORA	Rosaceae	Coleogyne ramosissima	6	Native			
COPA3	Plantaginaceae	Collinsia parviflora	4	Native			
COGR4	Polemoniaceae	Collomia grandiflora	5	Native			

USDA Symbol	Family	Scientific Name	C-Value	Native Status	Wetland Indicator		
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COLI2	Polemoniaceae	Collomia linearis	4	Native	FACU	FACU	FACU
COAR6	Fabaceae	Colutea arborescens	0	Non-native			
COUMP	Santalaceae	Comandra umbellata ssp. pallida	5	Native	FACU	UPL	UPL
CODI4	Commelinaceae	Commelina dianthifolia	9	Native			
COER	Commelinaceae	Commelina erecta	5	Native	FACU	FACU	FACU
COWI	Saxifragaceae	Conimitella williamsii	10	Native			
COSC2	Apiaceae	Conioselinum scopulorum	7	Native	FACW	FACW	FACW
COMA2	Apiaceae	Conium maculatum	0	Non-native	FAC	FACW	FACW
COALM	Orobanchaceae	Conopholis alpina var. mexicana	7	Native			
COOR	Brassicaceae	Conringia orientalis	0	Non-native			
COAR4	Convolvulaceae	Convolvulus arvensis	0	Non-native			
COEQ	Convolvulaceae	Convolvulus equitans	2	Native	FACU	FACU	FACU
COCA5	Asteraceae	Conyza canadensis	1	Native	FACU	FACU	FACU
COMA25	Orchidaceae	Corallorhiza maculata	7	Native	UPL	UPL	UPL
COST19	Orchidaceae	Corallorhiza striata	7	Native	FACU	UPL	FACU
COTR18	Orchidaceae	Corallorhiza trifida	8	Native	FAC	FAC	FAC
COWI5	Orchidaceae	Corallorhiza wisteriana	7	Native	FAC	FACU	FAC
COKI	Orobanchaceae	Cordylanthus kingii	Not Assigned	Native			
CORA5	Orobanchaceae	Cordylanthus ramosus	5	Native	FACW	FACW	FACU
COWR2	Orobanchaceae	Cordylanthus wrightii	5	Native			
COGR5	Asteraceae	Coreopsis grandiflora	1	Native			
COLA5	Asteraceae	Coreopsis lanceolata	0	Non-native	UPL	FACU	FACU
COTI3	Asteraceae	Coreopsis tinctoria	3	Native	FACU	FAC	FACU
COAM8	Chenopodiaceae	Corispermum americanum	4	Native	FACU	FACU	FACU
COHY	Chenopodiaceae	Corispermum hyssopifolium	0	Non-native	FACU	FACU	FACU
CONA4	Chenopodiaceae	Corispermum navicula	6	Native			
COVI5	Chenopodiaceae	Corispermum villosum	7	Native			
COCA13	Cornaceae	Cornus canadensis	9	Native	FAC	FACU	FAC
COSES	Cornaceae	Cornus sericea ssp. sericea	7	Native	FACW	FACW	FACW
COAU2	Fumariaceae	Corydalis aurea	5	Native			
ZZ_COAUA50	Fumariaceae	Corydalis aurea ssp. aurea	5	Native			
COAUO2	Fumariaceae	Corydalis aurea ssp. occidentalis	5	Native			
COCAB2	Fumariaceae	Corydalis caseana ssp. brandegeei	7	Native	FACW	FACW	FACW
COCOC2	Betulaceae	Corylus cornuta var. cornuta	8	Native	FACU	UPL	FACU
COMI5	Cactaceae	Coryphantha missouriensis	7	Native			
COVI9	Cactaceae	Coryphantha vivipara	6	Native			
COBI2	Asteraceae	Cosmos bipinnatus	0	Non-native	FACW	FACW	FACW
COPA12	Asteraceae	Cosmos parviflorus	1	Native	FACU	FAC	FACU
COLU5	Rosaceae	Cotoneaster lucidus	0	Non-native			
CRAQ	Crassulaceae	Crassula aquatica	9	Native	OBL	OBL	OBL
CRCH	Rosaceae	Crataegus chrysocarpa	5	Native			
CRER	Rosaceae	Crataegus erythropoda	6	Native	FACU	FAC	FAC
CRMO3	Rosaceae	Crataegus monogyna	0	Non-native	FAC		FAC
CRRI	Rosaceae	Crataegus rivularis	6	Native	FACW	FACW	FAC
CRSA2	Rosaceae	Crataegus saligna	6	Native	FACW		FAC
CRSU5	Rosaceae	Crataegus succulenta	5	Native			
CRAC2	Asteraceae	Crepis acuminata	6	Native			
CRAT	Asteraceae	Crepis atribarba	5	Native			
CRCA3	Asteraceae	Crepis capillaris	0	Non-native	FACU	UPL	FACU
CRIN4	Asteraceae	Crepis intermedia	6	Native			
CRMOM	Asteraceae	Crepis modocensis ssp. modocensis	6	Native			
CRNA	Asteraceae	Crepis nana	9	Native			
CROC	Asteraceae	Crepis occidentalis	6	Native			
CROCC	Asteraceae	Crepis occidentalis ssp. conjuncta	6	Native			
CROCC2	Asteraceae	Crepis occidentalis ssp. costata	6	Native			
CROCO2	Asteraceae	Crepis occidentalis ssp. occidentalis	6	Native			
CRRU3	Asteraceae	Crepis runcinata	6	Native	FACU	FAC	FACU
CRRUG	Asteraceae	Crepis runcinata ssp. glauca	6	Native	FACU	FAC	FACU
CRRUH2	Asteraceae	Crepis runcinata ssp. hispidulosa	6	Native	FACU	FAC	FACU
CRRUR	Asteraceae	Crepis runcinata ssp. runcinata	6	Native	FACU	FAC	FACU
CRTE4	Euphorbiaceae	Croton texensis	2	Native			

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					Mtns	Plains	West
CRAL2	Poaceae	Crypsis alopecuroides	0	Non-native	OBL	FACW	OBL
CRAF	Boraginaceae	Cryptantha affinis	Not Assigned	Native			
CRAM3	Boraginaceae	Cryptantha ambigua	5	Native			
CRCI2	Boraginaceae	Cryptantha circumscissa	Not Assigned	Native			
CRCR3	Boraginaceae	Cryptantha crassisepala	3	Native			
CRCRE	Boraginaceae	Cryptantha crassisepala var. elachantha	1	Native			
CRFE3	Boraginaceae	Cryptantha fendleri	3	Native			
CRGR3	Boraginaceae	Cryptantha gracilis	8	Native			
CRKE	Boraginaceae	Cryptantha kelseyana	Not Assigned	Native			
CRMI5	Boraginaceae	Cryptantha minima	3	Native			
CRPT	Boraginaceae	Cryptantha pterocarya	8	Native			
CRPTC	Boraginaceae	Cryptantha pterocarya var. cycloptera	8	Native			
CRPTP2	Boraginaceae	Cryptantha pterocarya var. pterocarya	8	Native			
CRRE5	Boraginaceae	Cryptantha recurvata	8	Native			
CRSC2	Boraginaceae	Cryptantha scoparia	Not Assigned	Native			
CRWA2	Boraginaceae	Cryptantha watsonii	5	Native			
CRAC3	Pteridaceae	Cryptogramma acrostichoides	8	Native			
CRST2	Pteridaceae	Cryptogramma stelleri	10	Native	FACU		FACU
CUFO	Cucurbitaceae	Cucurbita foetidissima	2	Native			
CUAP2	Convolvulaceae	Cuscuta approximata	0	Non-native			
CUCU2	Convolvulaceae	Cuscuta cuspidata	1	Native			
CUDE2	Convolvulaceae	Cuscuta denticulata	Not Assigned	Native			
CUIN	Convolvulaceae	Cuscuta indecora	4	Native			
CUME4	Convolvulaceae	Cuscuta megalocarpa	Not Assigned	Native			
CUOC	Convolvulaceae	Cuscuta occidentalis	Not Assigned	Native			
CUPEP3	Convolvulaceae	Cuscuta pentagona	1	Native			
CUUM	Convolvulaceae	Cuscuta umbellata	3	Native			
CYXA2	Asteraceae	Cyclachaena xanthiifolia	2	Native	FAC	FAC	FAC
CYDI	Cucurbitaceae	Cyclanthera dissecta	1	Native			
CYAT	Chenopodiaceae	Cycloloma atriplicifolium	2	Native	FACU	FACU	FACU
CYIMI	Cactaceae	Cylindropuntia imbricata var. imbricata	4	Native			
CYWH	Cactaceae	Cylindropuntia whipplei	5	Native			
CYMU	Plantaginaceae	Cymbalaria muralis	0	Non-native			
CYAC	Apiaceae	Cymopterus acaulis	6	Native			
CYAL9	Apiaceae	Cymopterus alpinus	10	Native			
CYAN8	Apiaceae	Cymopterus anisatus	6	Native			
CYBA8	Apiaceae	Cymopterus bakeri	10	Native			
CYBU	Apiaceae	Cymopterus bulbosus	5	Native			
CYCO22	Apiaceae	Cymopterus constancei	7	Native			
CYDU	Apiaceae	Cymopterus duchesnensis	8	Native			
CYFE	Apiaceae	Cymopterus fendleri	7	Native			
ORHU	Apiaceae	Cymopterus humilis	6	Native			
CYLE6	Apiaceae	Cymopterus lemmonii	6	Native			
CYLO10	Apiaceae	Cymopterus longilobus	Not Assigned	Native			
CYMO	Apiaceae	Cymopterus montanus	6	Native			
CYPE9	Apiaceae	Cymopterus petraeus	9	Native			
CYPL	Apiaceae	Cymopterus planosus	6	Native			
CYPU2	Apiaceae	Cymopterus purpureus	5	Native			
ALSE5	Apiaceae	Cymopterus sessiliflorus	10	Native			
PTTEA	Apiaceae	Cymopterus terebinthus var. albiflorus	Not Assigned	Native			
CYDA	Poaceae	Cynodon dactylon	0	Non-native	FACU	FACU	FACU
CYOF	Boraginaceae	Cynoglossum officinale	0	Non-native	FACU	FACU	FACU
CYAC2	Cyperaceae	Cyperus acuminatus	4	Native	OBL	OBL	OBL
CYBI6	Cyperaceae	Cyperus bipartitus	10	Native	OBL	FACW	OBL
CYER2	Cyperaceae	Cyperus erythrorhizos	2	Native	OBL	OBL	OBL
CYES	Cyperaceae	Cyperus esculentus	1	Native	FAC	FACW	FACW
CYFE2	Cyperaceae	Cyperus fendlerianus	7	Native	FAC	FAC	FAC
CYLU2	Cyperaceae	Cyperus lupulinus	4	Native	UPL	FACU	FACU
CYOD	Cyperaceae	Cyperus odoratus	2	Native	FACW	FACW	FACW
CYSC3	Cyperaceae	Cyperus schweinitzii	6	Native	FAC	FACU	FAC
CYSQ	Cyperaceae	Cyperus squarrosus	5	Native	OBL	OBL	OBL

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CYFA	Orchidaceae	Cypripedium fasciculatum	9	Native	FACU		FACU
CYPAP3	Orchidaceae	Cypripedium parviflorum var. pubescens	9	Native	FACW	FACW	FACW
CYFR2	Dryopteridaceae	Cystopteris fragilis	9	Native	FACU	FACU	FACU
CYMO3	Dryopteridaceae	Cystopteris montana	10	Native	FAC		FAC
CYRE15	Dryopteridaceae	Cystopteris reevesiana	9	Native			
CYTE7	Dryopteridaceae	Cystopteris tenuis	9	Native			
CYUT2	Dryopteridaceae	Cystopteris utahensis	9	Native			
DAGL	Poaceae	Dactylis glomerata	0	Non-native	FACU	FACU	FACU
DAAE	Poaceae	Dactyloctenium aegyptium	0	Non-native			
DAAU	Fabaceae	Dalea aurea	6	Native			
DACAO	Fabaceae	Dalea candida var. oligophylla	7	Native			
DACY	Fabaceae	Dalea cylindriceps	8	Native			
DAEN	Fabaceae	Dalea enneandra	7	Native			
DAFO	Fabaceae	Dalea formosa	10	Native			
DAJA	Fabaceae	Dalea jamesii	8	Native			
DALA3	Fabaceae	Dalea lanata	6	Native			
DALE3	Fabaceae	Dalea leporina	9	Native	UPL	UPL	UPL
DANAN	Fabaceae	Dalea nana var. nana	6	Native			
DAPU5	Fabaceae	Dalea purpurea	5	Native			
DATE5	Fabaceae	Dalea tenuifolia	8	Native			
DAVIV	Fabaceae	Dalea villosa var. villosa	7	Native			
DACA3	Poaceae	Danthonia californica	7	Native	FAC	FACU	FAC
DAIN	Poaceae	Danthonia intermedia	8	Native	FACU	FAC	FACU
DAPA2	Poaceae	Danthonia parryi	8	Native			
DASP2	Poaceae	Danthonia spicata	7	Native			
DAUN	Poaceae	Danthonia unispicata	9	Native			
DAPU7	Poaceae	Dasyochloa pulchella	6	Native			
DAQU	Solanaceae	Datura quercifolia	2	Native			
DAST	Solanaceae	Datura stramonium	0	Non-native			
DAWR2	Solanaceae	Datura wrightii	3	Native	UPL	UPL	UPL
DACA6	Apiaceae	Daucus carota	0	Non-native	FACU	UPL	UPL
DEAL	Ranunculaceae	Delphinium alpestre	8	Native			
DEBA2	Ranunculaceae	Delphinium barbeyi	7	Native	FAC	FAC	FAC
DECAV2	Ranunculaceae	Delphinium carolinianum ssp. virescens	5	Native			
DEGE2	Ranunculaceae	Delphinium geyeri	5	Native			
DENU2	Ranunculaceae	Delphinium nuttallianum	6	Native	FAC	FACU	FAC
DEGL3	Ranunculaceae	Delphinium occidentale	5	Native	FACW	FACW	FACW
DERA	Ranunculaceae	Delphinium ramosum	5	Native			
DERO	Ranunculaceae	Delphinium robustum	6	Native			
DESC	Ranunculaceae	Delphinium scaposum	6	Native			
DEBR2	Poaceae	Deschampsia brevifolia	9	Native	FACW	FACW	FACW
DECE	Poaceae	Deschampsia cespitosa	4	Native	FACW	FACW	FACW
DEEL	Poaceae	Deschampsia elongata	Not Assigned	Native	FACW	FAC	FACW
DEFL	Poaceae	Deschampsia flexuosa	Not Assigned	Non-native	FACU	UPL	
DECA6	Brassicaceae	Descurainia californica	3	Native			
DEIN5	Brassicaceae	Descurainia incana	2	Native	FACU	UPL	FACU
DEIN13	Brassicaceae	Descurainia incisa	2	Native			
DEINI7	Brassicaceae	Descurainia incisa ssp. incisa	2	Native			
DEINP2	Brassicaceae	Descurainia incisa ssp. paysonii	2	Native			
ZZ_DEKE50	Brassicaceae	Descurainia kenheilii	8	Native			
DEPIF	Brassicaceae	Descurainia longepedicellata	2	Native			
DEPIB	Brassicaceae	Descurainia pinnata ssp. brachycarpa	2	Native			
DESO2	Brassicaceae	Descurainia sophia	0	Non-native			
DECO2	Fabaceae	Desmanthus cooleyi	9	Native			
DEIL	Fabaceae	Desmanthus illinoensis	6	Native	FACU	FACU	FACU
DEOB5	Fabaceae	Desmodium obtusum	Not Assigned	Native			
DIAR	Caryophyllaceae	Dianthus armeria	0	Non-native	FACU	UPL	UPL
DIDED	Caryophyllaceae	Dianthus deltoides ssp. deltoides	0	Non-native	FAC	UPL	FAC
DIUN	Fumariaceae	Dicentra uniflora	9	Native			
DIAC2	Poaceae	Dichanthelium acuminatum	8	Native	FAC	FAC	FAC
DILI2	Poaceae	Dichanthelium linearifolium	7	Native			

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DIOLS	Poaceae	Dichanthelium oligosanthes var. scribnerianum	6	Native	FACU	FACU	FACU
DIWI5	Poaceae	Dichanthelium wilcoxianum	8	Native			
DICA4	Asteraceae	Dicoria canescens	Not Assigned	Native			
DIBI8	Asteraceae	Dieteria bigelovii var. bigelovii	3	Native	FACW	FACW	FACW
DICA18	Asteraceae	Dieteria canescens	4	Native	FAC	UPL	UPL
DIPUP2	Plantaginaceae	Digitalis purpurea var. purpurea	0	Non-native	FACU	UPL	FACU
DICA8	Poaceae	Digitaria californica	9	Native			
DIIS	Poaceae	Digitaria ischaemum	0	Non-native	FACU	UPL	FACU
DISA	Poaceae	Digitaria sanguinalis	0	Non-native	FACU	FACU	FACU
DIWI2	Brassicaceae	Dimorphocarpa wislizeni	Not Assigned	Native			
DIPA26	Poaceae	Dinebra panicea	3	Native	FACW	FACW	FACW
LEFUF	Poaceae	Diplachne fusca ssp. fasciculata	4	Native	FACW	FACW	FACW
DIMU2	Brassicaceae	Diplotaxis muralis	0	Non-native			
DIFU2	Dipsacaceae	Dipsacus fullonum	0	Non-native	FAC	FACU	FAC
DILA4	Dipsacaceae	Dipsacus laciniatus	0	Non-native	FACU	UPL	FACU
LEDU	Poaceae	Disakisperma dubia	5	Native			
DIST3	Poaceae	Distichlis stricta	4	Native	FACW	FACW	FAC
DOPU	Primulaceae	Dodecatheon pulchellum	8	Native	FACW	FACW	FACW
DOPUP2	Primulaceae	Dodecatheon pulchellum var. pulchellum	8	Native	FACW	FACW	FACW
DOPUZ	Primulaceae	Dodecatheon pulchellum var. zionense	8	Native	FACW	FACW	FACW
DOLA2	Campanulaceae	Downingia laeta	Not Assigned	Native	OBL		OBL
DRAL4	Brassicaceae	Draba albertina	7	Native	FAC	FAC	FAC
DRAU	Brassicaceae	Draba aurea	7	Native	FACU	FAC	FACU
DRBO	Brassicaceae	Draba borealis	9	Native			
DRCA4	Brassicaceae	Draba cana	7	Native	UPL	UPL	UPL
DRCR	Brassicaceae	Draba crassa	10	Native			
DRCR2	Brassicaceae	Draba crassifolia	7	Native			
DRCU	Brassicaceae	Draba cuneifolia	5	Native			
DREX3	Brassicaceae	Draba exunguiculata	9	Native			
DRFL	Brassicaceae	Draba fladnizensis	10	Native			
DRGL6	Brassicaceae	Draba globosa	8	Native			
DRGR2	Brassicaceae	Draba graminea	9	Native			
DRGR3	Brassicaceae	Draba grayana	9	Native			
DRHE	Brassicaceae	Draba helleriana	9	Native	FAC	FACU	FAC
DRIN2	Brassicaceae	Draba incerta	7	Native			
DRLO	Brassicaceae	Draba lonchocarpa	7	Native	UPL		FACU
ZZ_DRMA50	Brassicaceae	Draba malpighiacea	Not Assigned	Native			
DRNE	Brassicaceae	Draba nemorosa	6	Native			
DROL	Brassicaceae	Draba oligosperma	8	Native			
DRPO2	Brassicaceae	Draba porsildii	Not Assigned	Native			
DRRE	Brassicaceae	Draba rectifructa	7	Native			
DRRE2	Brassicaceae	Draba reptans	4	Native			
DRSM	Brassicaceae	Draba smithii	9	Native			
DRSP	Brassicaceae	Draba spectabilis	8	Native	FACU	FACU	FACU
DRST5	Brassicaceae	Draba streptobrachia	10	Native			
DRST4	Brassicaceae	Draba streptocarpa	8	Native			
DRVE	Brassicaceae	Draba ventosa	7	Native			
DRWE	Brassicaceae	Draba weberi	6	Native			
DRPA2	Lamiaceae	Dracocephalum parviflorum	3	Native	FACU	FACU	FACU
DRAN	Droseraceae	Drosera anglica	10	Native	OBL		OBL
DRRO	Droseraceae	Drosera rotundifolia	10	Native	OBL	OBL	OBL
DROCH3	Rosaceae	Dryas octopetala var. hookeriana	9	Native			
DRDE6	Caryophyllaceae	Drymaria depressa	Not Assigned	Native			
DREX2	Dryopteridaceae	Dryopteris expansa	10	Native	FACW		FACW
DRFI2	Dryopteridaceae	Dryopteris filix-mas	9	Native			
DYAM	Chenopodiaceae	Dysphania ambrosioides	0	Non-native	FAC	FAC	FAC
DYBO	Chenopodiaceae	Dysphania botrys	0	Non-native	FACU	FACU	FACU
DYGR	Chenopodiaceae	Dysphania graveolens	7	Native			
DYPA	Asteraceae	Dyssodia papposa	2	Native			
ECAN2	Asteraceae	Echinacea angustifolia	8	Native			
ECPU	Asteraceae	Echinacea purpurea	0	Non-native			

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ECFE	Cactaceae	Echinocereus fendleri	Not Assigned	Native			
ECRE	Cactaceae	Echinocereus reichenbachii	9	Native			
ECTR	Cactaceae	Echinocereus triglochidiatus	7	Native			
ECVI2	Cactaceae	Echinocereus viridiflorus	6	Native			
ECCR	Poaceae	Echinochloa crus-galli	0	Non-native	FAC	FAC	FACW
ECFR	Poaceae	Echinochloa frumentacea	0	Non-native	FACU	UPL	UPL
ECMUM	Poaceae	Echinochloa muricata var. microstachya	4	Native	FACW	FACW	FACW
ECLO	Cucurbitaceae	Echinocystis lobata	3	Native	FACU	FAC	FACU
ECSP	Asteraceae	Echinops sphaerocephalus	0	Non-native			
EICR	Pontederiaceae	Eichhornia crassipes	0	Non-native	OBL	OBL	OBL
ELAN	Elaeagnaceae	Elaeagnus angustifolia	0	Non-native	FAC	FACU	FAC
ELCO	Elaeagnaceae	Elaeagnus commutata	6	Native	FAC	UPL	FAC
ELBR5	Elatinaceae	Elatine brachysperma	5	Native	OBL	FACW	OBL
ELRU	Elatinaceae	Elatine rubella	5	Native	OBL	OBL	OBL
ELAC	Cyperaceae	Eleocharis acicularis	5	Native	OBL	OBL	OBL
ELAT	Cyperaceae	Eleocharis atropurpurea	10	Native	FACW	FACW	FACW
ELBO	Cyperaceae	Eleocharis bolanderi	7	Native	FACW		FACW
ELCO2	Cyperaceae	Eleocharis compressa	7	Native	FACW	FACW	FACW
ELEN	Cyperaceae	Eleocharis engelmannii	4	Native	OBL	FACW	OBL
ELMO2	Cyperaceae	Eleocharis montevidensis	Not Assigned	Native	FACW	FACW	FACW
ELOB2	Cyperaceae	Eleocharis obtusa	4	Native	OBL	OBL	OBL
ELPA3	Cyperaceae	Eleocharis palustris	3	Native	OBL	OBL	OBL
ELPA5	Cyperaceae	Eleocharis parvula	4	Native	OBL	OBL	OBL
ELPA6	Cyperaceae	Eleocharis pauciflora	8	Native	OBL	OBL	OBL
ELRO2	Cyperaceae	Eleocharis rostellata	6	Native	OBL	OBL	OBL
ELSU2	Cyperaceae	Eleocharis suksdorfiana	Not Assigned	Native	OBL	OBL	OBL
ELWO	Cyperaceae	Eleocharis wolfii	10	Native	OBL	OBL	
ELIN3	Poaceae	Eleusine indica	0	Non-native	UPL	FACU	UPL
ELNY	Hydrophyllaceae	Ellisia nyctelea	3	Native	FACU	FACU	FACU
ELBI2	Hydrocharitaceae	Elodea bifoliata	8	Native	OBL	OBL	OBL
ELCA7	Hydrocharitaceae	Elodea canadensis	3	Native	OBL	OBL	OBL
ELNU2	Hydrocharitaceae	Elodea nuttallii	7	Native	OBL	OBL	OBL
ELAL7	Poaceae	Elymus albicans	6	Native			
ELBA3	Poaceae	Elymus bakeri	6	Native			
ELCA4	Poaceae	Elymus canadensis	4	Native	FAC	FACU	FAC
ELCU2	Poaceae	Elymus curvatus	6	Native	FAC	FAC	FAC
ELEL5	Poaceae	Elymus elymoides	4	Native	FACU	UPL	FACU
ELGLG	Poaceae	Elymus glaucus ssp. glaucus	7	Native	FACU	FACU	FACU
ELLA3	Poaceae	Elymus lanceolatus	4	Native	FACU	FACU	UPL
ELMU3	Poaceae	Elymus multisetus	Not Assigned	Native			
ELRE4	Poaceae	Elymus repens	0	Non-native	FAC	FACU	FAC
ELSC4	Poaceae	Elymus scribneri	7	Native			
ELTR7	Poaceae	Elymus trachycaulus	4	Native	FAC	FACU	FACU
ELVI11	Poaceae	Elymus violaceus	9	Native	FACU	UPL	UPL
ELVI3	Poaceae	Elymus virginicus	5	Native	FACW	FAC	FACW
ENNU4	Asteraceae	Encelia nutans	7	Native			
ENNU	Asteraceae	Enceliopsis nudicaulis	7	Native			
ENPI	Asteraceae	Engelmannia pinnatifida	3	Native			
ENDE	Poaceae	Enneapogon desvauxii	Not Assigned	Native			
EPTO	Ephedraceae	Ephedra torreyana	6	Native			
EPVI	Ephedraceae	Ephedra viridis	6	Native			
ZZ_EPVIV50	Ephedraceae	Ephedra viridis var. viridis	6	Native			
EPVIV2	Ephedraceae	Ephedra viridis var. viscida	6	Native			
EPAN4	Onagraceae	Epilobium anagallidifolium	6	Native	FACU	FAC	FACU
EPBR3	Onagraceae	Epilobium brachycarpum	2	Native	FAC		FAC
EPCI	Onagraceae	Epilobium ciliatum	4	Native	FACW	FACW	FACW
EPCIC	Onagraceae	Epilobium ciliatum ssp. ciliatum	3	Native	FACW	FACW	FACW
EPCIG	Onagraceae	Epilobium ciliatum ssp. glandulosum	6	Native	FACW	FACW	FACW
EPCL	Onagraceae	Epilobium clavatum	10	Native	FACU	FACU	FACU
EPHA	Onagraceae	Epilobium halleanum	8	Native	FACW	FACW	FACW
EPHI	Onagraceae	Epilobium hirsutum	0	Non-native	FACW	FACW	FACW

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EPHO	Onagraceae	Epilobium hornemannii	6	Native	FACW	FACW	FACW
EPLA3	Onagraceae	Epilobium lactiflorum	7	Native	FACW	FACW	FACW
EPLE	Onagraceae	Epilobium leptocarpum	Not Assigned	Native	FACW	FACW	FACW
EPOR2	Onagraceae	Epilobium oregonense	Not Assigned	Native	FACW	FACW	OBL
EPPA	Onagraceae	Epilobium palustre	8	Native	OBL	OBL	OBL
EPPAG	Onagraceae	Epilobium palustre var. gracile	8	Native	FACW	OBL	FACW
ZZ_EPPAP50	Onagraceae	Epilobium palustre var. palustre	7	Native	OBL	OBL	OBL
EPSA	Onagraceae	Epilobium saximontanum	6	Native	FACW	FACW	FACW
EPGI	Orchidaceae	Epipactis gigantea	9	Native	OBL	OBL	OBL
EPHE	Orchidaceae	Epipactis helleborine	0	Non-native	FACU	FACU	FACU
EQAR	Equisetaceae	Equisetum arvense	4	Native	FAC	FAC	FAC
EQHYA2	Equisetaceae	Equisetum hyemale ssp. affine	4	Native	FACW	FACW	FACW
EQLA	Equisetaceae	Equisetum laevigatum	4	Native	FACW	FAC	FACW
EQVAV	Equisetaceae	Equisetum variegatum ssp. variegatum	5	Native	FACW	FACW	FACW
ERBA2	Poaceae	Eragrostis barrelieri	0	Non-native			
ERCI	Poaceae	Eragrostis cilianensis	0	Non-native	FACU	FACU	FACU
ERCU	Poaceae	Eragrostis curtipedicellata	Not Assigned	Native			
ERCU2	Poaceae	Eragrostis curvula	0	Non-native			
ERHY	Poaceae	Eragrostis hypnoides	4	Native	OBL	OBL	OBL
ERLU2	Poaceae	Eragrostis lutescens	Not Assigned	Native	FACU	FACU	FACU
ERMEV	Poaceae	Eragrostis mexicana ssp. virescens	Not Assigned	Native	FAC	FACU	FACU
ERMI5	Poaceae	Eragrostis minor	0	Non-native			
ERPE	Poaceae	Eragrostis pectinacea	1	Native	FAC	FAC	FAC
ERPI2	Poaceae	Eragrostis pilosa	1	Native	FACU	FACU	FACU
ERSEO	Poaceae	Eragrostis secundiflora ssp. oxylepis	8	Native	UPL	FACU	UPL
ERSP	Poaceae	Eragrostis spectabilis	3	Native	UPL	UPL	UPL
ERTR3	Poaceae	Eragrostis trichodes	4	Native			
ERCO24	Caryophyllaceae	Eremogone congesta	8	Native			
ERCOC13	Caryophyllaceae	Eremogone congesta var. congesta	8	Native			
ERCOL5	Caryophyllaceae	Eremogone congesta var. lithophila	8	Native			
EREA3	Caryophyllaceae	Eremogone eastwoodiae	6	Native			
AREAA	Caryophyllaceae	Eremogone eastwoodiae var. adenophora	6	Native			
AREAE	Caryophyllaceae	Eremogone eastwoodiae var. eastwoodiae	6	Native			
ERFE3	Caryophyllaceae	Eremogone fendleri	6	Native			
ERHO13	Caryophyllaceae	Eremogone hookeri	6	Native			
ERHOH2	Caryophyllaceae	Eremogone hookeri var. hookeri	6	Native			
ERHOP2	Caryophyllaceae	Eremogone hookeri var. pinetorum	6	Native			
ERTR13	Poaceae	Eremopyrum triticeum	0	Non-native			
CAMI23	Onagraceae	Eremothera minor	Not Assigned	Native			
ERDI2	Polemoniaceae	Eriastrum diffusum	Not Assigned	Native			
ERDID	Asteraceae	Ericameria discoidea var. discoidea	5	Native			
ERNA10	Asteraceae	Ericameria nauseosa	3	Native			
ZZ_ERNAA50	Asteraceae	Ericameria nauseosa var. ammophila	3	Native			
ERNAB2	Asteraceae	Ericameria nauseosa var. bigelovii	3	Native			
ERNAG3	Asteraceae	Ericameria nauseosa var. graveolens	3	Native			
ERNAJ	Asteraceae	Ericameria nauseosa var. juncea	3	Native			
ERNAL	Asteraceae	Ericameria nauseosa var. leiosperma	3	Native			
ERNAN3	Asteraceae	Ericameria nauseosa var. nauseosa	3	Native			
ERNAO	Asteraceae	Ericameria nauseosa var. oreophila	3	Native			
ERNAS2	Asteraceae	Ericameria nauseosa var. speciosa	3	Native			
ERPA30	Asteraceae	Ericameria parryi	4	Native			
ERPAA2	Asteraceae	Ericameria parryi var. affinis	3	Native			
ERPAA4	Asteraceae	Ericameria parryi var. attenuata	4	Native			
ERPAH	Asteraceae	Ericameria parryi var. howardii	4	Native			
ERPAP10	Asteraceae	Ericameria parryi var. parryi	4	Native			
ERAB3	Asteraceae	Erigeron abajoensis	Not Assigned	Native			
ERAC2	Asteraceae	Erigeron acris	8	Native	FACU	FAC	FACU
ERAP	Asteraceae	Erigeron aphanactis	Not Assigned	Native			
ERAR3	Asteraceae	Erigeron argentatus	Not Assigned	Native			
ERBE2	Asteraceae	Erigeron bellidiastrum	4	Native			
ERCA2	Asteraceae	Erigeron caespitosus	9	Native			

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ERCA4	Asteraceae	Erigeron canus	6	Native			
ERCO4	Asteraceae	Erigeron compositus	6	Native			
ERCO27	Asteraceae	Erigeron concinnus	6	Native			
ERCO15	Asteraceae	Erigeron consimilis	Not Assigned	Native			
ERCO6	Asteraceae	Erigeron coulteri	8	Native	FACW	FACW	FACW
ERDI4	Asteraceae	Erigeron divergens	4	Native			
EREAE	Asteraceae	Erigeron eatonii var. eatonii	7	Native			
EREL9	Asteraceae	Erigeron elatior	7	Native	FAC	FACW	FAC
EREN	Asteraceae	Erigeron engelmannii	6	Native			
EREX4	Asteraceae	Erigeron eximius	7	Native			
ERFL	Asteraceae	Erigeron flagellaris	3	Native	FACU	FAC	FACU
ERFO3	Asteraceae	Erigeron formosissimus	6	Native	UPL	FAC	UPL
ERGL2	Asteraceae	Erigeron glabellus	6	Native	FAC	FACW	FAC
ERGL5	Asteraceae	Erigeron glacialis	7	Native	FACW		FAC
ERGR3	Asteraceae	Erigeron grandiflorus	9	Native			
ERHU	Asteraceae	Erigeron humilis	9	Native	FACW		FACW
ERKA	Asteraceae	Erigeron kachinensis	10	Native	OBL		OBL
ERLA	Asteraceae	Erigeron lanatus	8	Native	FACU		FACU
ERLE6	Asteraceae	Erigeron leiomerus	9	Native			
ERLO	Asteraceae	Erigeron lonchophyllus	5	Native	FACW	FACW	FACW
ERMA9	Asteraceae	Erigeron mancus	Not Assigned	Native			
ERME2	Asteraceae	Erigeron melanocephalus	8	Native	FAC	FAC	FAC
ERNE2	Asteraceae	Erigeron nematophyllus	8	Native			
ERPHP	Asteraceae	Erigeron philadelphicus var. philadelphicus	9	Native	FACU	FAC	FACU
ERPI6	Asteraceae	Erigeron pinnatisectus	8	Native			
ERPU9	Asteraceae	Erigeron pulcherrimus	7	Native			
ERPU2	Asteraceae	Erigeron pumilus	5	Native			
ERRA2	Asteraceae	Erigeron radicatus	3	Native			
ERSC7	Asteraceae	Erigeron scopulinus	Not Assigned	Native			
ERUTS	Asteraceae	Erigeron sparsifolius	Not Assigned	Native			
ERSP4	Asteraceae	Erigeron speciosus	5	Native			
ERSTS2	Asteraceae	Erigeron strigosus var. strigosus	3	Native	FACU	FACU	FACU
ERSU2	Asteraceae	Erigeron subtrinervis	5	Native			
ERCO28	Asteraceae	Erigeron tracyi	6	Native			
ERUI	Asteraceae	Erigeron uintahensis	6	Native			
ERUR2	Asteraceae	Erigeron ursinus	7	Native			
ERUT	Asteraceae	Erigeron utahensis	7	Native			
ERVA3	Asteraceae	Erigeron vagus	9	Native			
ERVE2	Asteraceae	Erigeron vetensis	6	Native			
ERVR	Asteraceae	Erigeron vreelandii	Not Assigned	Native			
ERWI2	Asteraceae	Erigeron wilkenii	10	Native			
ERCO8	Poaceae	Eriochloa contracta	1	Native	FAC	FAC	FAC
ERAC3	Polygonaceae	Eriogonum acaule	7	Native			
ERAL4	Polygonaceae	Eriogonum alatum	5	Native			
ERAN4	Polygonaceae	Eriogonum annuum	4	Native			
ERAR25	Polygonaceae	Eriogonum arcuatum	6	Native			
ZZ_ERARA50	Polygonaceae	Eriogonum arcuatum var. arcuatum	6	Native			
ERJAX	Polygonaceae	Eriogonum arcuatum var. xanthum	9	Native			
ERBA5	Polygonaceae	Eriogonum batemanii	7	Native			
ERBI	Polygonaceae	Eriogonum bicolor	9	Native			
ERBR9	Polygonaceae	Eriogonum brandegeei	7	Native			
ERBRB4	Polygonaceae	Eriogonum brevicaule var. brevicaule	7	Native			
ERCE2	Polygonaceae	Eriogonum cernuum	5	Native			
ERCL2	Polygonaceae	Eriogonum clavellatum	6	Native			
ERCO11	Polygonaceae	Eriogonum coloradense	6	Native			
ERCO13	Polygonaceae	Eriogonum contortum	5	Native			
ERCO14	Polygonaceae	Eriogonum corymbosum	5	Native			
ERCOC9	Polygonaceae	Eriogonum corymbosum var. corymbosum	6	Native			
ERCOO	Polygonaceae	Eriogonum corymbosum var. orbiculatum	5	Native			
ERCOV	Polygonaceae	Eriogonum corymbosum var. velutinum	7	Native			
ERDI5	Polygonaceae	Eriogonum divaricatum	Not Assigned	Native			

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EREF	Polygonaceae	Eriogonum effusum	5	Native			
EREP	Polygonaceae	Eriogonum ephedroides	8	Native			
EREX2	Polygonaceae	Eriogonum exilifolium	5	Native			
ERFLF	Polygonaceae	Eriogonum flavum var. flavum	6	Native			
ERFU3	Polygonaceae	Eriogonum fusiforme	Not Assigned	Native			
ERGO	Polygonaceae	Eriogonum gordonii	5	Native			
ERHEH3	Polygonaceae	Eriogonum heracleoides var. heracleoides	6	Native			
ERHO6	Polygonaceae	Eriogonum hookeri	7	Native			
ERIN4	Polygonaceae	Eriogonum inflatum	4	Native			
ERJAJ	Polygonaceae	Eriogonum jamesii var. jamesii	6	Native			
ERLAL5	Polygonaceae	Eriogonum lachnogynum var. lachnogynum	7	Native			
ERLE9	Polygonaceae	Eriogonum leptocladon	7	Native			
ERLEL	Polygonaceae	Eriogonum leptocladon var. leptocladon	7	Native			
ERLER	Polygonaceae	Eriogonum leptocladon var. ramosissimum	7	Native			
ERLE10	Polygonaceae	Eriogonum leptophyllum	8	Native			
ERLO4	Polygonaceae	Eriogonum lonchophyllum	4	Native			
ERMI4	Polygonaceae	Eriogonum microthecum	6	Native			
ERMIL2	Polygonaceae	Eriogonum microthecum var. laxiflorum	6	Native			
ERMIS2	Polygonaceae	Eriogonum microthecum var. simpsonii	6	Native			
EROV	Polygonaceae	Eriogonum ovalifolium	7	Native	FACU	UPL	FACU
EROVO5	Polygonaceae	Eriogonum ovalifolium var. ovalifolium	7	Native	FACU	UPL	FACU
EROVP2	Polygonaceae	Eriogonum ovalifolium var. purpureum	7	Native	FACU	UPL	FACU
ERPA11	Polygonaceae	Eriogonum palmerianum	4	Native			
ERPA9	Polygonaceae	Eriogonum pauciflorum	7	Native			
ERPE10	Polygonaceae	Eriogonum pelinophilum	7	Native			
ERRA3	Polygonaceae	Eriogonum racemosum	6	Native			
ERSA10	Polygonaceae	Eriogonum saurinum	Not Assigned	Native			
ERSC4	Polygonaceae	Eriogonum scabrellum	4	Native			
ERSH	Polygonaceae	Eriogonum shockleyi	6	Native			
ERTET	Polygonaceae	Eriogonum tenellum var. tenellum	7	Native			
ERTU2	Polygonaceae	Eriogonum tumulosum	7	Native			
ERUM	Polygonaceae	Eriogonum umbellatum	6	Native			
ERUMA3	Polygonaceae	Eriogonum umbellatum var. aureum	6	Native			
ERUMM	Polygonaceae	Eriogonum umbellatum var. majus	6	Native			
ERUMP2	Polygonaceae	Eriogonum umbellatum var. porteri	6	Native			
ZZ_ERUMR50	Polygonaceae	Eriogonum umbellatum var. ramulosum	6	Native			
ERUMS2	Polygonaceae	Eriogonum umbellatum var. subaridum	6	Native			
ERUMU2	Polygonaceae	Eriogonum umbellatum var. umbellatum	6	Native			
ERVI13	Polygonaceae	Eriogonum viridulum	Not Assigned	Native	UPL		UPL
ERWE	Polygonaceae	Eriogonum wetherillii	8	Native			
ERPI5	Poaceae	Erioneuron pilosum	6	Native			
ERAN6	Cyperaceae	Eriophorum angustifolium	9	Native	OBL	OBL	OBL
ERCH7	Cyperaceae	Eriophorum chamissonis	9	Native	OBL	OBL	OBL
ERGR8	Cyperaceae	Eriophorum gracile	10	Native	OBL	OBL	OBL
ERSC2	Cyperaceae	Eriophorum scheuchzeri	10	Native	OBL		OBL
ERNAE	Boraginaceae	Eritrichium nanum var. elongatum	9	Native			
ERCI6	Geraniaceae	Erodium cicutarium	0	Non-native			
ERPL5	Apiaceae	Eryngium planum	0	Non-native			
ERAS2	Brassicaceae	Erysimum asperum	4	Native			
ERCA14	Brassicaceae	Erysimum capitatum	5	Native			
ERCH9	Brassicaceae	Erysimum cheiranthoides	0	Non-native	FACU	FACU	FACU
ERIN7	Brassicaceae	Erysimum inconspicuum	6	Native			
ERRE4	Brassicaceae	Erysimum repandum	0	Non-native			
ERGRG3	Liliaceae	Erythronium grandiflorum ssp. grandiflorum	7	Native	FACU		FACU
ESCAC	Papaveraceae	Eschscholzia californica ssp. californica	0	Non-native	UPL		
EUEL2	Asteraceae	Eucephalus elegans	6	Native			
EUEN	Asteraceae	Eucephalus engelmannii	7	Native			
EUSY	Brassicaceae	Euclidium syriacum	0	Non-native			
EUBR	Euphorbiaceae	Euphorbia brachycera	6	Native			
EUCR2	Euphorbiaceae	Euphorbia crenulata	Not Assigned	Native			
EUCY2	Euphorbiaceae	Euphorbia cyparissias	0	Non-native			

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EUDE4	Euphorbiaceae	Euphorbia dentata	1	Native			
EUES	Euphorbiaceae	Euphorbia esula	0	Non-native			
EUEX4	Euphorbiaceae	Euphorbia exstipulata	Not Assigned	Native			
EUHE5	Euphorbiaceae	Euphorbia hexagona	3	Native			
EUIN2	Euphorbiaceae	Euphorbia incisa	10	Native			
EUMA8	Euphorbiaceae	Euphorbia marginata	1	Native	UPL	FACU	UPL
EUMY2	Euphorbiaceae	Euphorbia myrsinites	0	Non-native			
EUPE6	Euphorbiaceae	Euphorbia peplus	0	Non-native			
EUSP	Euphorbiaceae	Euphorbia spathulata	6	Native	FACU	FACU	FAC
EUCO16	Heliotropiaceae	Euploca convolvulacea	8	Native			
EUGR4	Gentianaceae	Eustoma grandiflorum	7	Native	OBL	FACW	OBL
EUGR5	Asteraceae	Euthamia graminifolia	5	Native	FAC	FACW	FAC
EUGY	Asteraceae	Euthamia gymnospermoides	8	Native	FACW	FAC	
EUOC4	Asteraceae	Euthamia occidentalis	4	Native	FACW	OBL	FACW
EUPE10	Brassicaceae	Eutrema penlandii	9	Native	OBL		
THSA	Brassicaceae	Eutrema salsugineum	10	Native			
EUMA9	Asteraceae	Eutrochium maculatum	8	Native	OBL	OBL	OBL
EVPR	Asteraceae	Evax prolifera	2	Native			
EVNU	Convolvulaceae	Evolvulus nuttallianus	6	Native			
FAES2	Polygonaceae	Fagopyrum esculentum	0	Non-native			
FABA	Polygonaceae	Fallopia baldschuanica	0	Non-native			
FACO	Polygonaceae	Fallopia convolvulus	0	Non-native	FACU	FACU	FACU
FAJA2	Polygonaceae	Fallopia japonica var. japonica	0	Non-native	FACU	FACU	FACU
FASC	Polygonaceae	Fallopia scandens	0	Non-native	FACU	FACU	
FAPA	Rosaceae	Fallugia paradoxa	6	Native			
FERU	Hydrangeaceae	Fendlera rupicola	8	Native			
FEUT	Hydrangeaceae	Fendlerella utahensis	8	Native			
FEAR2	Poaceae	Festuca arizonica	6	Native			
FEBA	Poaceae	Festuca baffinensis	9	Native			
FEBRC	Poaceae	Festuca brachyphylla ssp. coloradensis	7	Native			
FECA6	Poaceae	Festuca calligera	Not Assigned	Native			
FECA4	Poaceae	Festuca campestris	9	Native			
FEDA	Poaceae	Festuca dasyclada	8	Native			
FEEA3	Poaceae	Festuca earlei	6	Native			
FEHA3	Poaceae	Festuca hallii	9	Native			
FEID	Poaceae	Festuca idahoensis	7	Native	FACU	UPL	FACU
FEMI3	Poaceae	Festuca minutiflora	7	Native			
FERUR2	Poaceae	Festuca rubra ssp. rubra	5	Native	FAC	FAC	FAC
FESAS	Poaceae	Festuca saximontana var. saximontana	7	Native			
FESO	Poaceae	Festuca sororia	Not Assigned	Native			
FESU	Poaceae	Festuca subulata	9	Native	FACU	UPL	FACU
FETH	Poaceae	Festuca thurberi	8	Native			
FETR3	Poaceae	Festuca trachyphylla	Not Assigned	Native	FACU	UPL	UPL
FIULD2	Rosaceae	Filipendula ulmaria ssp. denudata	0	Non-native	FAC	FAC	
FIPUI	Cyperaceae	Fimbristylis puberula var. interior	9	Native	FACW	OBL	FACW
FLCA	Asteraceae	Flaveria campestris	6	Native	FACW	FAC	FACW
FLPR	Limnanthaceae	Floerkea proserpinacoides	7	Native	FACW	FACW	FACW
FOPU2	Oleaceae	Forestiera pubescens	6	Native	FACU	FACU	FACU
FOME	Crossosomataceae	Forsellesia meionandra	8	Native			
FOPL	Crossosomataceae	Forsellesia planitierum	10	Native			
FRVE	Rosaceae	Fragaria vesca	5	Native	FACU	UPL	UPL
FRVI	Rosaceae	Fragaria virginiana	5	Native	FACU	FACU	FACU
FRJA	Frankeniaceae	Frankenia jamesii	8	Native			
FRAL5	Gentianaceae	Frasera albomarginata	7	Native			
FRCO7	Gentianaceae	Frasera coloradensis	8	Native			
FRPA2	Gentianaceae	Frasera paniculata	7	Native			
FRSP	Gentianaceae	Frasera speciosa	6	Native			
FRAM2	Oleaceae	Fraxinus americana	0	Non-native	FACU	FACU	FACU
FRAN2	Oleaceae	Fraxinus anomala	7	Native	UPL		
FRPE	Oleaceae	Fraxinus pennsylvanica	0	Non-native	FAC	FAC	FACW
FRAT	Liliaceae	Fritillaria atropurpurea	8	Native			

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FRPU2	Liliaceae	Fritillaria pudica	8	Native			
FRFL	Amaranthaceae	Froelichia floridana	6	Native			
FRGR3	Amaranthaceae	Froelichia gracilis	4	Native			
FUVA	Fumariaceae	Fumaria vaillantii	0	Non-native			
GAAR	Asteraceae	Gaillardia aristata	4	Native			
GAPI	Asteraceae	Gaillardia pinnatifida	6	Native			
GAPU	Asteraceae	Gaillardia pulchella	5	Native	UPL	UPL	FACU
GASP	Asteraceae	Gaillardia spathulata	Not Assigned	Native			
GAOF	Fabaceae	Galega officinalis	0	Non-native			
GABI3	Lamiaceae	Galeopsis bifida	0	Non-native			
GALA	Lamiaceae	Galeopsis ladanum	0	Non-native			
GAPAP4	Asteraceae	Galinsoga parviflora var. parviflora	0	Non-native	UPL	UPL	UPL
GAQU	Asteraceae	Galinsoga quadriradiata	0	Non-native	UPL	FACU	UPL
GAAP2	Rubiaceae	Galium aparine	1	Native	FACU	FACU	FACU
GABI	Rubiaceae	Galium bifolium	7	Native			
GABO2	Rubiaceae	Galium boreale	6	Native	FACU	FACU	FACU
GAMEA	Rubiaceae	Galium mexicanum ssp. asperrimum	7	Native	FAC	FAC	FAC
GAMU2	Rubiaceae	Galium multiflorum	7	Native			
GAMUC	Rubiaceae	Galium multiflorum var. coloradoense	7	Native			
ZZ_GAMUM50	Rubiaceae	Galium multiflorum var. multiflorum	7	Native			
GAOD3	Rubiaceae	Galium odoratum	0	Non-native			
GATRS2	Rubiaceae	Galium trifidum ssp. subbiflorum	7	Native	FACW	OBL	FACW
GATR3	Rubiaceae	Galium triflorum	7	Native	FACU	FACU	FACU
GAVE	Rubiaceae	Galium verum	0	Non-native			
GAHU	Ericaceae	Gaultheria humifusa	8	Native	FACW	FACU	FACW
GADE2	Onagraceae	Gayophytum decipiens	6	Native			
GADIP	Onagraceae	Gayophytum diffusum ssp. parviflorum	4	Native			
GARA	Onagraceae	Gayophytum racemosum	5	Native	FAC		FAC
GARA2	Onagraceae	Gayophytum ramosissimum	6	Native			
GEAF	Gentianaceae	Gentiana affinis	8	Native	FACU	FACU	FACU
GEAL2	Gentianaceae	Gentiana algida	9	Native	FACW	FACW	FACW
GEAN	Gentianaceae	Gentiana andrewsii	9	Native	FAC	FAC	
GEBI4	Gentianaceae	Gentiana bigelovii	7	Native	FACU	FACU	FACU
GEFR	Gentianaceae	Gentiana fremontii	9	Native	FACW	OBL	FACW
GEPA	Gentianaceae	Gentiana parryi	9	Native	FAC	FACW	FAC
GEPR3	Gentianaceae	Gentiana prostrata	9	Native	FACW		FACW
GEAC2	Gentianaceae	Gentianella acuta	8	Native	FACW	FACW	FACW
GEHE4	Gentianaceae	Gentianella heterosepala	8	Native	FACW	FACW	FACW
GETET	Gentianaceae	Gentianella tenella ssp. tenella	10	Native	FACW	FAC	FACW
GETO	Gentianaceae	Gentianella tortuosa	8	Native			
GEBA2	Gentianaceae	Gentianopsis barbellata	9	Native	FACW	FAC	FACW
GEDEE2	Gentianaceae	Gentianopsis detonsa var. elegans	8	Native	FACW	OBL	FACW
GEPR6	Gentianaceae	Gentianopsis procera	9	Native	OBL	OBL	
GEBI2	Geraniaceae	Geranium bicknellii	5	Native			
GECA3	Geraniaceae	Geranium caespitosum	6	Native	FAC	FAC	FAC
GECA5	Geraniaceae	Geranium carolinianum	Not Assigned	Native			
GEPU2	Geraniaceae	Geranium pusillum	0	Non-native			
GERI	Geraniaceae	Geranium richardsonii	6	Native	FAC	FAC	FACU
GEVII	Geraniaceae	Geranium viscosissimum var. incisum	5	Native	FACU	FACU	FAC
GEAL3	Rosaceae	Geum aleppicum	6	Native	FACW	FACU	FAC
GEMAP	Rosaceae	Geum macrophyllum var. perincisum	6	Native	FAC	FACW	FACW
GERI2	Rosaceae	Geum rivale	5	Native	FACW	FACW	FACW
GEROT	Rosaceae	Geum rossii var. turbinatum	7	Native	FACU	FACU	FACU
GETR	Rosaceae	Geum triflorum	7	Native	FACU	FACU	FACU
GICL2	Polemoniaceae	Gilia clokeyi	7	Native			
GIOP	Polemoniaceae	Gilia ophthalmoides	6	Native			
GISI	Polemoniaceae	Gilia sinuata	5	Native			
GITW	Polemoniaceae	Gilia tweedyi	6	Native			
GIAC4	Polemoniaceae	Giliastrum acerosum	6	Native			
GLBI2	Verbenaceae	Glandularia bipinnatifida	3	Native			
GLCO3	Papaveraceae	Glaucium corniculatum	0	Non-native			

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GLFL	Papaveraceae	Glaucium flavum	0	Non-native			
GLMA	Myrsinaceae	Glaux maritima	7	Native	OBL	OBL	FACW
GLHE2	Lamiaceae	Glechoma hederacea	0	Non-native	FACU	FACU	FACU
GLTR	Fabaceae	Gleditsia triacanthos	0	Non-native	FAC	FACU	FAC
GLBO	Poaceae	Glyceria borealis	8	Native	OBL	OBL	OBL
GLEL	Poaceae	Glyceria elata	6	Native	FACW	OBL	OBL
GLGR	Poaceae	Glyceria grandis	6	Native	OBL	OBL	OBL
GLST	Poaceae	Glyceria striata	5	Native	OBL	OBL	OBL
GLLE3	Fabaceae	Glycyrrhiza lepidota	3	Native	FAC	FACU	FAC
GNEX	Asteraceae	Gnaphalium exilifolium	4	Native	FACW	FAC	FACW
GNPA	Asteraceae	Gnaphalium palustre	5	Native	FACW	OBL	FACW
GNUL	Asteraceae	Gnaphalium uliginosum	5	Native	FAC	FAC	FAC
GOOB2	Orchidaceae	Goodyera oblongifolia	9	Native	FACU	FACU	FACU
GORE2	Orchidaceae	Goodyera repens	9	Native	FACU		FACU
GRNE	Plantaginaceae	Gratiola neglecta	5	Native	OBL	OBL	OBL
GRSP	Chenopodiaceae	Grayia spinosa	6	Native			
GRAR2	Asteraceae	Grindelia arizonica	4	Native			
GRFA	Asteraceae	Grindelia fastigiata	6	Native			
GRHI	Asteraceae	Grindelia hirsutula	3	Native	FACW		FACW
GRAC	Asteraceae	Grindelia hirsutula var. acutifolia	4	Native			
GRDE	Asteraceae	Grindelia hirsutula var. decumbens	3	Native			
GRRE	Asteraceae	Grindelia hirsutula var. revoluta	3	Native			
GRIN2	Asteraceae	Grindelia inornata	3	Native			
GRNU	Asteraceae	Grindelia nuda	4	Native	FACU	UPL	FACU
GRNUA	Asteraceae	Grindelia nuda var. aphanactis	4	Native	FACU	UPL	FACU
GRNUN	Asteraceae	Grindelia nuda var. nuda	4	Native	FACU	UPL	FACU
GRSQ	Asteraceae	Grindelia squarrosa	3	Native	FACU	UPL	FACU
GRSQQ	Asteraceae	Grindelia squarrosa var. quasiperennis	4	Native	FACU	UPL	FACU
GRSQS	Asteraceae	Grindelia squarrosa var. serrulata	4	Native	FACU	UPL	FACU
GRSQS2	Asteraceae	Grindelia squarrosa var. squarrosa	3	Native	FACU	UPL	FACU
GRSU	Asteraceae	Grindelia subalpina	4	Native			
GUDE	Amaranthaceae	Guilleminea densa	Not Assigned	Native			
GUEL2	Asteraceae	Gutierrezia elegans	9	Native			
GUMI	Asteraceae	Gutierrezia microcephala	6	Native			
GUSA2	Asteraceae	Gutierrezia sarothrae	3	Native			
GYDR	Dryopteridaceae	Gymnocarpium dryopteris	9	Native	FAC	FACU	FAC
GYPA2	Polemoniaceae	Gymnosteris parvula	5	Native	FAC		FAC
GYEL	Caryophyllaceae	Gypsophila elegans	0	Non-native			
GYPA	Caryophyllaceae	Gypsophila paniculata	0	Non-native			
GYSC	Caryophyllaceae	Gypsophila scorzonerifolia	0	Non-native			
HABE3	Boraginaceae	Hackelia besseyi	6	Native			
HAFL2	Boraginaceae	Hackelia floribunda	3	Native	FACU	FACU	FACU
HAGR10	Boraginaceae	Hackelia gracilenta	9	Native			
HAMI	Boraginaceae	Hackelia micrantha	6	Native	FACU		FACU
HAGL	Chenopodiaceae	Halogeton glomeratus	0	Non-native			
HATR	Apiaceae	Harbouria trachypleura	6	Native			
HEDR	Lamiaceae	Hedeoma drummondii	6	Native			
HEHI	Lamiaceae	Hedeoma hispida	5	Native			
HENI4	Rubiaceae	Hedyotis nigricans	5	Native			
HEBO	Fabaceae	Hedysarum boreale	6	Native			
HEOC	Fabaceae	Hedysarum occidentale	5	Native			
HEAU	Asteraceae	Helenium autumnale	5	Native	FACW	FACW	FACW
HEMIM	Asteraceae	Helenium microcephalum var. microcephalum	4	Native	FACW	FACW	FACW
HEMI2	Asteraceae	Helianthella microcephala	7	Native			
HEPA	Asteraceae	Helianthella parryi	5	Native			
HEQU2	Asteraceae	Helianthella quinquenervis	7	Native	FACU	FACW	FACU
HEUN	Asteraceae	Helianthella uniflora	6	Native			
HEBI2	Cistaceae	Helianthemum bicknellii	5	Native			
HEAN3	Asteraceae	Helianthus annuus	1	Native	FACU	FACU	FACU
HECI	Asteraceae	Helianthus ciliaris	0	Non-native	UPL	FAC	FAC
HEMA2	Asteraceae	Helianthus maximiliani	5	Native	UPL	FACU	UPL

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HENU	Asteraceae	Helianthus nuttallii	3	Native	FACW	FACW	FACW
HEPE	Asteraceae	Helianthus petiolaris	2	Native			
HEPEF	Asteraceae	Helianthus petiolaris ssp. fallax	2	Native			
HEPEP	Asteraceae	Helianthus petiolaris ssp. petiolaris	2	Native			
HEPU3	Asteraceae	Helianthus pumilus	4	Native			
HERIS2	Asteraceae	Helianthus rigidus ssp. subrhomboideus	6	Native			
HETU	Asteraceae	Helianthus tuberosus	0	Non-native	FACU	FACU	FACU
HEMO3	Poaceae	Helictotrichon mortonianum	9	Native			
HEMU3	Asteraceae	Heliomeris multiflora	4	Native			
HEMUM	Asteraceae	Heliomeris multiflora var. multiflora	4	Native			
HEMUN	Asteraceae	Heliomeris multiflora var. nevadensis	4	Native			
HEHES	Asteraceae	Heliopsis helianthoides var. scabra	5	Native	FACU	FACU	FACU
HECU3	Heliotropiaceae	Heliotropium curassavicum	4	Native	OBL	OBL	FACU
HECUO2	Heliotropiaceae	Heliotropium curassavicum var. obovatum	4	Native	OBL	OBL	FACU
HECUO	Heliotropiaceae	Heliotropium curassavicum var. oculatum	4	Native	OBL	OBL	FACU
HEFU	Liliaceae	Hemerocallis fulva	0	Non-native	FACU	FACU	FACU
HEMA80	Apiaceae	Heracleum maximum	6	Native	FAC	FAC	FACW
HEGL8	Caryophyllaceae	Herniaria glabra	0	Non-native			
EUGLG2	Asteraceae	Herrickia glauca var. glauca	6	Native			
HEHO7	Asteraceae	Herrickia horrida	7	Native			
HELI6	Brassicaceae	Hesperidanthus linearifolius	6	Native			
HEMA3	Brassicaceae	Hesperis matronalis	0	Non-native	FACU	FACU	FACU
HEPU6	Hydrophyllaceae	Hesperochiron pumilus	Not Assigned	Native	FAC		FAC
HECO26	Poaceae	Hesperostipa comata	6	Native			
HENE5	Poaceae	Hesperostipa neomexicana	8	Native			
HESP11	Poaceae	Hesperostipa spartea	10	Native			
HEDU2	Pontederiaceae	Heteranthera dubia	7	Native	OBL	OBL	OBL
HELI2	Pontederiaceae	Heteranthera limosa	7	Native	OBL	OBL	OBL
HERA3	Campanulaceae	Heterocodon rariflorum	8	Native	FAC		FACW
HEPI2	Asteraceae	Heterosperma pinnatum	6	Native			
HECA8	Asteraceae	Heterotheca canescens	6	Native			
HEFO9	Asteraceae	Heterotheca foliosa	4	Native			
HEFU3	Asteraceae	Heterotheca fulcrata	5	Native			
HEPU14	Asteraceae	Heterotheca pumila	2	Native			
HEST3	Asteraceae	Heterotheca stenophylla	Not Assigned	Native			
HESU3	Asteraceae	Heterotheca subaxillaris ssp. latifolia	3	Native			
HEVI4	Asteraceae	Heterotheca villosa	3	Native			
HESTA	Asteraceae	Heterotheca villosa var. angustifolia	Not Assigned	Native			
HEVIM3	Asteraceae	Heterotheca villosa var. minor	4	Native			
HEVIN	Asteraceae	Heterotheca villosa var. nana	4	Native			
HEVIP	Asteraceae	Heterotheca villosa var. pedunculata	5	Native			
HEVIS	Asteraceae	Heterotheca villosa var. scabra	Not Assigned	Native			
HEVIV	Asteraceae	Heterotheca villosa var. villosa	2	Native			
HEZI	Asteraceae	Heterotheca zionensis	Not Assigned	Native			
HEBR2	Saxifragaceae	Heuchera bracteata	8	Native			
HEHA2	Saxifragaceae	Heuchera hallii	7	Native			
HEPA11	Saxifragaceae	Heuchera parvifolia	7	Native			
HERI	Saxifragaceae	Heuchera richardsonii	9	Native	FACU	FACU	
HERU	Saxifragaceae	Heuchera rubescens	9	Native	UPL	FACU	UPL
HITR	Malvaceae	Hibiscus trionum	0	Non-native			
HIAL2	Asteraceae	Hieracium albiflorum	5	Native			
HIAU	Asteraceae	Hieracium aurantiacum	0	Non-native			
HIFE	Asteraceae	Hieracium fendleri	5	Native			
HITR2	Asteraceae	Hieracium triste	6	Native	FACU		FACU
HIJA	Poaceae	Hilaria jamesii	6	Native			
HIVU2	Plantaginaceae	Hippuris vulgaris	6	Native	OBL	OBL	OBL
HODR	Fabaceae	Hoffmannseggia drepanocarpa	6	Native			
HOGL2	Fabaceae	Hoffmannseggia glauca	5	Native	FACU	FAC	FACU
HORE	Fabaceae	Hoffmannseggia repens	Not Assigned	Native			
HOLA	Poaceae	Holcus lanatus	0	Non-native	FAC	FAC	FAC
HOAN4	Onagraceae	Holmgrenia andina	Not Assigned	Native	UPL	FACU	UPL

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HODU	Rosaceae	Holodiscus dumosus	8	Native	FACU		FACU
HOUMU	Caryophyllaceae	Holosteum umbellatum ssp. umbellatum	0	Non-native			
HOOB4	Poaceae	Hopia obtusa	4	Native	FACU	FAC	FACU
HOBR2	Poaceae	Hordeum brachyantherum	4	Native	FACW	FAC	FACW
HOJU	Poaceae	Hordeum jubatum	2	Native	FAC	FACW	FAC
HOMU	Poaceae	Hordeum murinum	0	Non-native	FAC	FACU	FACU
HOPU	Poaceae	Hordeum pusillum	1	Native	FACU	FACU	FACU
HOVU	Poaceae	Hordeum vulgare	0	Non-native			
HOPR4	Brassicaceae	Hornungia procumbens	6	Native	FAC		FAC
HULUN	Cannabaceae	Humulus neomexicanus	5	Native	FACU	FACU	FACU
HUHA	Lycopodiaceae	Huperzia haleakalae	10	Native	FACU		FACU
HYVE	Violaceae	Hybanthus verticillatus	7	Native			
HYCA4	Hydrophyllaceae	Hydrophyllum capitatum var. capitatum	8	Native			
HYFEF	Hydrophyllaceae	Hydrophyllum fendleri var. fendleri	7	Native	FAC	FACW	FAC
HYFI	Asteraceae	Hymenopappus filifolius	6	Native			
HYFIC	Asteraceae	Hymenopappus filifolius var. cinereus	6	Native			
HYFIL2	Asteraceae	Hymenopappus filifolius var. luteus	6	Native			
HYFIM	Asteraceae	Hymenopappus filifolius var. megacephalus	6	Native			
HYFIP2	Asteraceae	Hymenopappus filifolius var. parvulus	6	Native			
HYFIP	Asteraceae	Hymenopappus filifolius var. pauciflorus	6	Native			
HYFIP3	Asteraceae	Hymenopappus filifolius var. polycephalus	5	Native			
HYFL	Asteraceae	Hymenopappus flavescens	6	Native			
HYNE	Asteraceae	Hymenopappus newberryi	4	Native			
HYTE2	Asteraceae	Hymenopappus tenuifolius	6	Native			
HYBR	Asteraceae	Hymenoxys brandegeei	9	Native			
HYGR5	Asteraceae	Hymenoxys grandiflora	8	Native			
HYHE	Asteraceae	Hymenoxys helenioides	Not Assigned	Native			
HYHO	Asteraceae	Hymenoxys hoopesii	5	Native	FAC	FAC	FAC
HYOD	Asteraceae	Hymenoxys odorata	4	Native			
HYRI	Asteraceae	Hymenoxys richardsonii	4	Native			
HYRIF	Asteraceae	Hymenoxys richardsonii var. floribunda	4	Native			
HYRIR	Asteraceae	Hymenoxys richardsonii var. richardsonii	4	Native			
HYNI	Solanaceae	Hyoscyamus niger	0	Non-native			
HYMA2	Clusiaceae	Hypericum majus	6	Native	FACW	FACW	FACW
HYPE	Clusiaceae	Hypericum perforatum	0	Non-native	FACU	UPL	FACU
HYSCN	Clusiaceae	Hypericum scouleri ssp. nortoniae	7	Native	FACW		FACW
HYRA3	Asteraceae	Hypochaeris radicata	0	Non-native	FACU	UPL	FACU
HYHI2	Hypoxidaceae	Hypoxis hirsuta	10	Native	FACW	FACW	FACW
IBAM	Brassicaceae	Iberis amara	0	Non-native			
ILCR	Malvaceae	Iliamna crandallii	9	Native			
ILGR	Malvaceae	Iliamna grandiflora	7	Native	FACW	FACW	FACW
ILRI	Malvaceae	Iliamna rivularis	8	Native	FAC		FACW
IMCA	Balsaminaceae	Impatiens capensis	4	Native	FACW	FACW	FACW
IPCR	Convolvulaceae	Ipomoea cristulata	Not Assigned	Native			
IPLE	Convolvulaceae	Ipomoea leptophylla	6	Native			
IPPU2	Convolvulaceae	Ipomoea purpurea	0	Non-native	UPL	FACU	UPL
IPAG	Polemoniaceae	Ipomopsis aggregata	5	Native			
IPAGA3	Polemoniaceae	Ipomopsis aggregata ssp. aggregata	6	Native			
IPAGA2	Polemoniaceae	Ipomopsis aggregata ssp. attenuata	6	Native			
IPAGC	Polemoniaceae	Ipomopsis aggregata ssp. candida	3	Native			
IPAGC2	Polemoniaceae	Ipomopsis aggregata ssp. collina	6	Native			
IPTE4	Polemoniaceae	Ipomopsis aggregata ssp. tenuituba	8	Native			
IPAGW	Polemoniaceae	Ipomopsis aggregata ssp. weberi	5	Native			
IPCO5	Polemoniaceae	Ipomopsis congesta	7	Native			
IPCOC3	Polemoniaceae	Ipomopsis congesta ssp. congesta	7	Native			
IPCOC	Polemoniaceae	Ipomopsis congesta ssp. crebrifolia	7	Native			
IPCOF	Polemoniaceae	Ipomopsis congesta ssp. frutescens	7	Native			
IPGL	Polemoniaceae	Ipomopsis globularis	10	Native			
IPGU	Polemoniaceae	Ipomopsis gunnisonii	4	Native			
IPLA2	Polemoniaceae	Ipomopsis laxiflora	3	Native			
IPLO2	Polemoniaceae	Ipomopsis longiflora	7	Native			

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IPMU3	Polemoniaceae	Ipomopsis multiflora	Not Assigned	Native			
IPPO	Polemoniaceae	Ipomopsis polyantha	2	Native			
IPPO2	Polemoniaceae	Ipomopsis polycladon	4	Native			
IPPU4	Polemoniaceae	Ipomopsis pumila	8	Native			
IPRA	Polemoniaceae	Ipomopsis ramosa	7	Native			
IPRO	Polemoniaceae	Ipomopsis roseata	8	Native			
IPSP	Polemoniaceae	Ipomopsis spicata	8	Native			
IRMI	Iridaceae	Iris missouriensis	4	Native	FACW	FACW	FACW
IRPS	Iridaceae	Iris pseudacorus	0	Non-native	OBL	OBL	OBL
ISTI	Brassicaceae	Isatis tinctoria	0	Non-native			
ISRU2	Asteraceae	Isocoma rusbyi	Not Assigned	Native			
ISBO	Isoetaceae	Isoëtes bolanderi	10	Native	OBL	OBL	OBL
ISEC	Isoetaceae	Isoëtes echinospora	10	Native	OBL	OBL	OBL
ISOC	Isoetaceae	Isoëtes occidentalis	10	Native	OBL	OBL	OBL
IVAX	Asteraceae	Iva axillaris	2	Native	FACU	FAC	FACU
IVGO	Rosaceae	Ivesia gordonii	4	Native			
JAAMA	Hydrangeaceae	Jamesia americana var. americana	7	Native	FACU	FACU	FACU
JUAC	Juncaceae	Juncus acuminatus	5	Native	OBL	OBL	OBL
JUAL4	Juncaceae	Juncus alpinoarticulatus	9	Native	OBL	OBL	OBL
JUAR2	Juncaceae	Juncus arcticus	4	Native			
JUARB5	Juncaceae	Juncus arcticus var. balticus	4	Native	FACW	FACW	FACW
JUAR4	Juncaceae	Juncus articulatus	6	Native	OBL	OBL	OBL
JUBI2	Juncaceae	Juncus biglumis	10	Native	OBL		OBL
JUBR2	Juncaceae	Juncus brachycephalus	5	Native	OBL	OBL	
JUBR3	Juncaceae	Juncus brachyphyllus	5	Native	FAC	FAC	FAC
JUBR4	Juncaceae	Juncus brevicaudatus	5	Native	OBL	OBL	OBL
JUBR5	Juncaceae	Juncus bryoides	9	Native	OBL		OBL
JUBU	Juncaceae	Juncus bufonius	3	Native	FACW	OBL	FACW
JUCA6	Juncaceae	Juncus castaneus	9	Native	FACW	OBL	FACW
JUCO	Juncaceae	Juncus compressus	0	Non-native	OBL	FACW	OBL
JUCO2	Juncaceae	Juncus confusus	5	Native	FAC	FACW	FAC
JUDI	Juncaceae	Juncus dichotomus	0	Non-native	FACW	FACW	FACW
JUDR	Juncaceae	Juncus drummondii	6	Native	FACW	FACW	FACW
JUDU2	Juncaceae	Juncus dudleyi	5	Native	FAC	FACW	FAC
JUEF	Juncaceae	Juncus effusus	4	Native	FACW	OBL	FACW
JUEN	Juncaceae	Juncus ensifolius	6	Native	FACW	FACW	FACW
JUFI	Juncaceae	Juncus filiformis	9	Native	FACW	OBL	FACW
JUGE	Juncaceae	Juncus gerardii	0	Non-native	FACW	OBL	FACW
JUHA	Juncaceae	Juncus hallii	8	Native	FAC		FAC
JUIN2	Juncaceae	Juncus interior	5	Native	FAC	FACW	FAC
JULO	Juncaceae	Juncus longistylis	6	Native	FACW	FACW	FACW
JUMA4	Juncaceae	Juncus marginatus	8	Native	FACW	FACW	FACW
JUME3	Juncaceae	Juncus mertensianus	7	Native	OBL	OBL	OBL
JUNE	Juncaceae	Juncus nevadensis	7	Native	FACW	FACW	FACW
JUNO2	Juncaceae	Juncus nodosus	6	Native	OBL	OBL	OBL
JUPA	Juncaceae	Juncus parryi	7	Native	FAC		FAC
JUTE	Juncaceae	Juncus tenuis	6	Native	FAC	FAC	FACW
JUTO	Juncaceae	Juncus torreyi	5	Native	FACW	FACW	FACW
JUTR4	Juncaceae	Juncus triglumis	10	Native	FACW		FACW
JUTRA2	Juncaceae	Juncus triglumis var. albescens	10	Native	OBL	OBL	OBL
ZZ_JUTRT50	Juncaceae	Juncus triglumis var. triglumis	10	Native	FACW		FACW
JUVA	Juncaceae	Juncus vaseyi	7	Native	FACW	FACW	FACW
JUCOD	Cupressaceae	Juniperus communis var. depressa	6	Native	UPL	UPL	FACU
JUMO	Cupressaceae	Juniperus monosperma	6	Native			
JUOS	Cupressaceae	Juniperus osteosperma	5	Native			
JUSC2	Cupressaceae	Juniperus scopulorum	5	Native			
JUVIV	Cupressaceae	Juniperus virginiana var. virginiana	4	Native	FACU	UPL	FACU
KAPA	Zygophyllaceae	Kallstroemia parviflora	1	Native			
KAMI	Ericaceae	Kalmia microphylla	9	Native	OBL		OBL
KNAR	Dipsacaceae	Knautia arvensis	0	Non-native			
KOMY	Cyperaceae	Kobresia myosuroides	9	Native	FAC	FAC	FACU

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KOSI	Cyperaceae	Kobresia sibirica	10	Native	FAC		FAC
KOSI2	Cyperaceae	Kobresia simpliciuscula	10	Native	FACW		FACW
KOAM	Chenopodiaceae	Kochia americana	1	Native	FACU	FAC	FAC
KOSC	Chenopodiaceae	Kochia scoparia	0	Non-native	FAC	FACU	FAC
KOMA	Poaceae	Koeleria macrantha	6	Native			
KOIS	Polygonaceae	Koenigia islandica	9	Native	OBL		OBL
KRLA	Krameriaceae	Krameria lanceolata	8	Native			
KRLA2	Chenopodiaceae	Krascheninnikovia lanata	8	Native			
KRBI	Asteraceae	Krigia biflora	7	Native	FACU	FAC	FACU
LABI	Asteraceae	Lactuca biennis	4	Native	FAC	FAC	FAC
LACA	Asteraceae	Lactuca canadensis	6	Native	FACU	FACU	FACU
LAGR	Asteraceae	Lactuca graminifolia	Not Assigned	Native	FAC	FAC	FAC
LALU	Asteraceae	Lactuca ludoviciana	3	Native	FAC	FACU	FAC
LASA	Asteraceae	Lactuca saligna	0	Non-native	FACU	FACU	
LASE	Asteraceae	Lactuca serriola	0	Non-native	FACU	FAC	FACU
LATAP	Asteraceae	Lactuca tatarica var. pulchella	3	Native	FAC	UPL	FAC
LACO13	Asteraceae	Laennecia coulteri	Not Assigned	Native	FAC	FACW	FAC
LASC3	Asteraceae	Laennecia schiedeana	0	Non-native			
LAAM	Lamiaceae	Lamium amplexicaule	0	Non-native			
LAMA	Lamiaceae	Lamium maculatum	0	Non-native			
LAPU2	Lamiaceae	Lamium purpureum	0	Non-native			
LAOC3	Boraginaceae	Lappula occidentalis	2	Native			
LAOCC	Boraginaceae	Lappula occidentalis var. cupulata	3	Native			
LAOCO	Boraginaceae	Lappula occidentalis var. occidentalis	2	Native			
LASQ	Boraginaceae	Lappula squarrosa	0	Non-native			
LACO3	Asteraceae	Lapsana communis	0	Non-native	FACU	FAC	FAC
LATE6	Polemoniaceae	Lathrocasis tenerrima	Not Assigned	Native			
LABRZ2	Fabaceae	Lathyrus brachycalyx ssp. zionis	8	Native			
LAEU	Fabaceae	Lathyrus eucosmus	6	Native			
LALAA	Fabaceae	Lathyrus lanszwertii	6	Native	UPL	FACU	UPL
LALAL	Fabaceae	Lathyrus lanszwertii var. laetivirens	6	Native			
LALAL2	Fabaceae	Lathyrus lanszwertii var. lanszwertii	6	Native	UPL	FACU	UPL
LALAL3	Fabaceae	Lathyrus lanszwertii var. leucanthus	6	Native	UPL	FACU	UPL
LALA4	Fabaceae	Lathyrus latifolius	0	Non-native			
LAPAU	Fabaceae	Lathyrus pauciflorus var. utahensis	8	Native			
LAPO2	Fabaceae	Lathyrus polymorphus	5	Native			
LAPOI	Fabaceae	Lathyrus polymorphus ssp. incanus	6	Native			
LAPOP	Fabaceae	Lathyrus polymorphus ssp. polymorphus	5	Native			
LASY	Fabaceae	Lathyrus sylvestris	0	Non-native			
LEOR	Poaceae	Leersia oryzoides	5	Native	OBL	OBL	OBL
LEMI3	Araceae	Lemna minor	2	Native	OBL	OBL	OBL
LEMI6	Araceae	Lemna minuta	4	Native	OBL	OBL	OBL
LETR	Araceae	Lemna trisulca	5	Native	OBL	OBL	OBL
LECA2	Lamiaceae	Leonurus cardiaca	0	Non-native			
LEAL4	Brassicaceae	Lepidium alyssoides	3	Native			
LEAP7	Brassicaceae	Lepidium appelianum	0	Non-native	FACU	FAC	UPL
LECA5	Brassicaceae	Lepidium campestre	0	Non-native			
CACH42	Brassicaceae	Lepidium chalepensis	0	Non-native			
LECR12	Brassicaceae	Lepidium crenatum	5	Native			
LEDE	Brassicaceae	Lepidium densiflorum	0	Non-native	FACU	FAC	UPL
LEDR	Brassicaceae	Lepidium draba	0	Non-native			
LEALE	Brassicaceae	Lepidium eastwoodiae	4	Native			
LEHE2	Brassicaceae	Lepidium heterophyllum	0	Non-native			
LEHU8	Brassicaceae	Lepidium huberi	4	Native			
LELAL	Brassicaceae	Lepidium lasiocarpum ssp. lasiocarpum	5	Native			
LELA2	Brassicaceae	Lepidium latifolium	0	Non-native	FAC	FACW	FAC
LEMO2	Brassicaceae	Lepidium montanum	5	Native			
LEPA42	Brassicaceae	Lepidium paysonii	Not Assigned	Native			
LEPE2	Brassicaceae	Lepidium perfoliatum	0	Non-native	FACU	FAC	FACU
LERA2	Brassicaceae	Lepidium ramosissimum	2	Native			
LEVI3	Brassicaceae	Lepidium virginicum	2	Native	FACU	FACU	FACU

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LENUN	Polemoniaceae	Leptosiphon nuttallii ssp. nuttallii	4	Native	FACU	FAC	FACU
LESE17	Polemoniaceae	Leptosiphon septentrionalis	6	Native			
LEMA8	Asteraceae	Leucanthemum maximum	0	Non-native			
LEVU	Asteraceae	Leucanthemum vulgare	0	Non-native	FACU	UPL	UPL
LEMO4	Agavaceae	Leucocrinum montanum	6	Native			
LEKI2	Poaceae	Leucopoa kingii	6	Native			
LEPY2	Montiaceae	Lewisia pygmaea	8	Native	FACU	FACU	FACU
LEPYN	Montiaceae	Lewisia pygmaea var. nevadensis	8	Native			
ZZ_LEPYP50	Montiaceae	Lewisia pygmaea var. pygmaea	8	Native	FACU	FACU	FACU
LERER	Montiaceae	Lewisia rediviva var. rediviva	7	Native			
LETR2	Montiaceae	Lewisia triphylla	9	Native			
LEAM	Poaceae	Leymus ambiguus	6	Native			
LECI4	Poaceae	Leymus cinereus	5	Native	FAC	UPL	FAC
LERA5	Poaceae	Leymus racemosus	0	Non-native			
LESAS	Poaceae	Leymus salina ssp. salina	6	Native			
LETR5	Poaceae	Leymus triticoides	5	Native	FAC	FAC	FAC
LILA	Asteraceae	Liatris lancifolia	7	Native	FAC	FAC	FAC
LILI	Asteraceae	Liatris ligulistylis	8	Native	FAC	FAC	FAC
LIPU	Asteraceae	Liatris punctata	6	Native			
LISQG	Asteraceae	Liatris squarrosa var. glabrata	Not Assigned	Native			
LIFI	Apiaceae	Ligusticum filicinum	7	Native			
LIPO	Apiaceae	Ligusticum porteri	7	Native	FACU	FAC	FACU
LITE2	Apiaceae	Ligusticum tenuifolium	8	Native	FACW	FAC	FACW
LIVU	Oleaceae	Ligustrum vulgare	0	Non-native	FACU	FACU	UPL
LIPH	Liliaceae	Lilium philadelphicum	9	Native	FAC	FACU	FAC
LIAQ	Scrophulariaceae	Limosella aquatica	7	Native	OBL	OBL	OBL
LICA36	Polemoniaceae	Linanthus caespitosus	6	Native			
LIPU11	Polemoniaceae	Linanthus pungens	6	Native			
LIWA4	Polemoniaceae	Linanthus watsonii	7	Native			
LICAT2	Plantaginaceae	Linaria canadensis var. texana	7	Native			
LIDA	Plantaginaceae	Linaria dalmatica	0	Non-native			
LIVU2	Plantaginaceae	Linaria vulgaris	0	Non-native			
LIDUA	Plantaginaceae	Lindernia dubia var. anagallidea	Not Assigned	Native	OBL	OBL	OBL
LIBOL2	Caprifoliaceae	Linnaea borealis var. longiflora	9	Native	FACU	FACU	FACU
LIAR3	Linaceae	Linum aristatum	Not Assigned	Native			
LIAU4	Linaceae	Linum australe	5	Native			
LIBE2	Linaceae	Linum berlandieri	6	Native			
LICO3	Linaceae	Linum compactum	8	Native			
LIKI2	Linaceae	Linum kingii	7	Native			
LILE3	Linaceae	Linum lewisii	4	Native			
LIPE2	Linaceae	Linum perenne	0	Non-native			
LIPR	Linaceae	Linum pratense	5	Native			
LIPU4	Linaceae	Linum puberulum	6	Native			
LIRI	Linaceae	Linum rigidum	5	Native			
LIAR6	Cyperaceae	Lipocarpha aristulata	10	Native	FACW	FACW	FACW
LIBO4	Orchidaceae	Listera borealis	9	Native	FACW		FACW
LICO5	Orchidaceae	Listera convallarioides	10	Native	FAC	FACW	FAC
LICON	Orchidaceae	Listera cordata var. nephrophylla	9	Native	FAC	FACU	FACW
LIGL2	Saxifragaceae	Lithophragma glabrum	7	Native			
LIPA5	Saxifragaceae	Lithophragma parviflorum	7	Native			
LITE4	Saxifragaceae	Lithophragma tenellum	8	Native			
LIAR4	Boraginaceae	Lithospermum arvense	0	Non-native			
LICAC9	Boraginaceae	Lithospermum caroliniense var. croceum	7	Native			
LIIN2	Boraginaceae	Lithospermum incisum	5	Native			
LIMU3	Boraginaceae	Lithospermum multiflorum	5	Native			
LIRU4	Boraginaceae	Lithospermum ruderale	4	Native			
LLSE	Liliaceae	Lloydia serotina	8	Native	FACU	FACU	FACU
LOCA2	Campanulaceae	Lobelia cardinalis	7	Native	FACW	FACW	OBL
LOSIL	Campanulaceae	Lobelia siphilitica var. ludoviciana	7	Native	OBL	OBL	
LOMA	Brassicaceae	Lobularia maritima	0	Non-native			
LOMU	Poaceae	Lolium multiflorum	0	Non-native			

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LOPE	Poaceae	Lolium perenne	0	Non-native	FAC	FACU	FAC
LOBI	Apiaceae	Lomatium bicolor	Not Assigned	Native	FACU	UPL	FACU
LOCO2	Apiaceae	Lomatium concinnum	7	Native			
LODIE	Apiaceae	Lomatium dissectum var. eatonii	7	Native			
LOEA	Apiaceae	Lomatium eastwoodiae	7	Native			
LOFO	Apiaceae	Lomatium foeniculaceum	6	Native			
LOFOF2	Apiaceae	Lomatium foeniculaceum var. foeniculaceum	6	Native			
LOFOM2	Apiaceae	Lomatium foeniculaceum var. macdougalii	6	Native			
LOGRG2	Apiaceae	Lomatium grayi var. grayi	7	Native			
LOJU	Apiaceae	Lomatium juniperinum	5	Native			
LOLA4	Apiaceae	Lomatium latilobum	9	Native			
LOLE2	Apiaceae	Lomatium leptocarpum	6	Native	FACU	UPL	FACU
LOMA3	Apiaceae	Lomatium macrocarpum	6	Native			
LONU3	Apiaceae	Lomatium nuttallii	6	Native			
LOOR	Apiaceae	Lomatium orientale	6	Native			
LOSIS	Apiaceae	Lomatium triternatum var. platycarpum	8	Native			
LORO	Gentianaceae	Lomatogonium rotatum	9	Native	OBL	OBL	OBL
LOIN5	Caprifoliaceae	Lonicera involucrata	7	Native	FAC	FACU	FAC
LOMO2	Caprifoliaceae	Lonicera morrowii	0	Non-native	UPL	UPL	UPL
LOTA	Caprifoliaceae	Lonicera tatarica	0	Non-native	FACU	FACU	UPL
LOUT2	Caprifoliaceae	Lonicera utahensis	Not Assigned	Native	FAC	FACU	FAC
LOCO6	Fabaceae	Lotus corniculatus	0	Non-native	FAC	FACU	FAC
LOTE4	Fabaceae	Lotus tenuis	0	Non-native	FACU	FACU	FACU
LOWR	Fabaceae	Lotus wrightii	6	Native			
LUAN	Brassicaceae	Lunaria annua	0	Non-native			
LUAM	Fabaceae	Lupinus ammophilus	7	Native			
LUAR3	Fabaceae	Lupinus argenteus	5	Native			
LUARA15	Fabaceae	Lupinus argenteus var. argenteus	5	Native			
LUARF2	Fabaceae	Lupinus argenteus var. fulvomaculatus	7	Native			
LUARH3	Fabaceae	Lupinus argenteus var. holosericeus	7	Native			
LUARP4	Fabaceae	Lupinus argenteus var. parviflorus	7	Native			
LUARR	Fabaceae	Lupinus argenteus var. rubricaulis	7	Native			
LUBA3	Fabaceae	Lupinus bakeri	7	Native			
LUBR2	Fabaceae	Lupinus brevicaulis	6	Native			
LUCA	Fabaceae	Lupinus caudatus	5	Native			
LUCAA2	Fabaceae	Lupinus caudatus var. argophyllus	5	Native			
LUCAU2	Fabaceae	Lupinus caudatus var. utahensis	5	Native			
LUCR2	Fabaceae	Lupinus crassus	7	Native			
LUKI	Fabaceae	Lupinus kingii	7	Native	UPL	FAC	UPL
LULEU2	Fabaceae	Lupinus lepidus var. utahensis	5	Native			
LULE3	Fabaceae	Lupinus leucophyllus	Not Assigned	Native			
LUPL	Fabaceae	Lupinus plattensis	6	Native			
LUPO2	Fabaceae	Lupinus polyphyllus	6	Native	FAC		FAC
LUPOH	Fabaceae	Lupinus polyphyllus var. humicola	7	Native			
LUPOP5	Fabaceae	Lupinus polyphyllus var. prunophilus	6	Native	FACU	FACU	FACU
LUPU	Fabaceae	Lupinus pusillus	6	Native			
LUSES2	Fabaceae	Lupinus sericeus var. sericeus	6	Native			
LUCO6	Juncaceae	Luzula comosa	7	Native	FAC	FAC	FAC
LUPA4	Juncaceae	Luzula parviflora	7	Native	FAC	UPL	FAC
LUSP4	Juncaceae	Luzula spicata	8	Native	FACU	FACU	FACU
LUSU9	Juncaceae	Luzula subcapitata	8	Native	OBL	OBL	OBL
LYBA4	Solanaceae	Lycium barbarum	0	Non-native			
LYPA	Solanaceae	Lycium pallidum	5	Native			
LYAN2	Lycopodiaceae	Lycopodium annotinum	7	Native	FAC	FAC	FAC
LYAM	Lamiaceae	Lycopus americanus	5	Native	OBL	OBL	OBL
LYAS	Lamiaceae	Lycopus asper	5	Native	OBL	OBL	OBL
LYUN	Lamiaceae	Lycopus uniflorus	5	Native	OBL	OBL	OBL
LYGR	Asteraceae	Lygodesmia grandiflora	5	Native			
LYGRA	Asteraceae	Lygodesmia grandiflora var. arizonica	5	Native			
LYGRD2	Asteraceae	Lygodesmia grandiflora var. doloresensis	6	Native			
ZZ_LYGRG50	Asteraceae	Lygodesmia grandiflora var. grandiflora	6	Native			

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LYJU	Asteraceae	Lygodesmia juncea	4	Native			
LYCI	Myrsinaceae	Lysimachia ciliata	6	Native	FACW	FACW	FACW
LYNU	Myrsinaceae	Lysimachia nummularia	0	Non-native	FACW	FACW	FACW
LYTH2	Myrsinaceae	Lysimachia thyrsiflora	9	Native	OBL	OBL	OBL
LYVU	Myrsinaceae	Lysimachia vulgaris	0	Non-native	FACW		FACW
LYAL4	Lythraceae	Lythrum alatum	7	Native	OBL	OBL	OBL
LYSA2	Lythraceae	Lythrum salicaria	0	Non-native	OBL	OBL	OBL
MATA2	Asteraceae	Machaeranthera tanacetifolia	2	Native			
MAPO	Moraceae	Maclura pomifera	0	Non-native	UPL	FACU	UPL
MAGL2	Asteraceae	Madia glomerata	3	Native	FACU	FACU	FACU
MARAA	Ruscaceae	Maianthemum racemosum ssp. amplexicaule	7	Native	FAC	FAC	FAC
MAST4	Ruscaceae	Maianthemum stellatum	7	Native	FAC	FACU	FACU
MASO	Asteraceae	Malacothrix sonchoides	5	Native			
MATO2	Asteraceae	Malacothrix torreyi	5	Native			
MAMOB	Orchidaceae	Malaxis monophyllos var. brachypoda	10	Native	FACW	FACW	FACW
MAPU	Rosaceae	Malus pumila	0	Non-native			
MANE	Malvaceae	Malva neglecta	0	Non-native			
MAPA5	Malvaceae	Malva parviflora	0	Non-native			
MAPU5	Malvaceae	Malva pusilla	0	Non-native			
MASY	Malvaceae	Malva sylvestris	0	Non-native			
MAVE	Malvaceae	Malva verticillata	0	Non-native			
MALE3	Malvaceae	Malvella leprosa	7	Native	FACU	FAC	FACU
MASA3	Malvaceae	Malvella sagittifolia	Not Assigned	Native			
MAVU	Lamiaceae	Marrubium vulgare	0	Non-native	FACU	FACU	FACU
MAVE2	Marsileaceae	Marsilea vestita	7	Native	OBL	OBL	OBL
MADI6	Asteraceae	Matricaria discoidea	1	Native	FACU	FACU	FACU
MEFA	Fabaceae	Medicago falcata	0	Non-native	UPL	UPL	UPL
MELU	Fabaceae	Medicago lupulina	0	Non-native	FACU	FACU	FAC
MESA	Fabaceae	Medicago sativa	0	Non-native	UPL	UPL	UPL
MELE2	Asteraceae	Melampodium leucanthum	6	Native			
MEBU	Poaceae	Melica bulbosa	6	Native	FACU		FACU
MEPO	Poaceae	Melica porteri	9	Native			
MESP	Poaceae	Melica spectabilis	8	Native	FAC		FAC
MESUS	Poaceae	Melica subulata var. subulata	Not Assigned	Native			
MEAL2	Fabaceae	Melilotus albus	0	Non-native	FACU	FACU	FACU
MEOF	Fabaceae	Melilotus officinalis	0	Non-native	FACU	FACU	FACU
MESC	Oleaceae	Menodora scabra	9	Native			
MEPI	Lamiaceae	Mentha ×piperita	0	Non-native	FACW	FACW	FACW
MEAR4	Lamiaceae	Mentha arvensis	4	Native	FACW	FACW	FACW
MESP3	Lamiaceae	Mentha spicata	0	Non-native	FACW	FACW	FACW
MEAL6	Loasaceae	Mentzelia albicaulis	4	Native			
MECH	Loasaceae	Mentzelia chrysantha	4	Native			
MECR4	Loasaceae	Mentzelia cronquistii	7	Native			
MEDE2	Loasaceae	Mentzelia decapetala	5	Native			
MEDE3	Loasaceae	Mentzelia densa	4	Native			
MEDI	Loasaceae	Mentzelia dispersa	7	Native			
MELA	Loasaceae	Mentzelia laciniata	7	Native			
MELA2	Loasaceae	Mentzelia laevicaulis	7	Native			
MEPUL	Loasaceae	Mentzelia lagarosa	7	Native			
MEMA5	Loasaceae	Mentzelia marginata	7	Native			
MEMU2	Loasaceae	Mentzelia multicaulis	4	Native			
MEMU3	Loasaceae	Mentzelia multiflora	5	Native			
MENU	Loasaceae	Mentzelia nuda	4	Native			
MEOL	Loasaceae	Mentzelia oligosperma	5	Native			
ZZ_MEPA50	Loasaceae	Mentzelia paradoxensis	8	Native			
MEPUP	Loasaceae	Mentzelia procera	Not Assigned	Native			
MEPT	Loasaceae	Mentzelia pterosperma	7	Native			
MEPU3	Loasaceae	Mentzelia pumila	7	Native			
MERE2	Loasaceae	Mentzelia reverchonii	5	Native			
ZZ_MERH50	Loasaceae	Mentzelia rhizomata	7	Native			
MERU	Loasaceae	Mentzelia rusbyi	4	Native			

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ZZ_MESI50	Loasaceae	Mentzelia sivinskii	Not Assigned	Native			
MESP4	Loasaceae	Mentzelia speciosa	5	Native			
METH	Loasaceae	Mentzelia thompsonii	7	Native			
MEMUU	Loasaceae	Mentzelia uintahensis	7	Native			
METR3	Menyanthaceae	Menyanthes trifoliata	9	Native	OBL	OBL	OBL
MEAL7	Boraginaceae	Mertensia alpina	9	Native			
MEAR6	Boraginaceae	Mertensia arizonica	9	Native			
MEBR	Boraginaceae	Mertensia brevistyla	8	Native			
MECI3	Boraginaceae	Mertensia ciliata	7	Native	FACW	FACW	FACW
MEFR2	Boraginaceae	Mertensia franciscana	8	Native	FACW	FACW	OBL
MEFU2	Boraginaceae	Mertensia fusiformis	7	Native	FACU	UPL	FACU
MEHU2	Boraginaceae	Mertensia humilis	7	Native			
MELA3	Boraginaceae	Mertensia lanceolata	6	Native			
MELAL2	Boraginaceae	Mertensia lanceolata var. lanceolata	6	Native			
MELAN4	Boraginaceae	Mertensia lanceolata var. nivalis	4	Native	FACU	UPL	FACU
MEOB	Boraginaceae	Mertensia oblongifolia	4	Native	FAC	FAC	FAC
MIFO2	Saxifragaceae	Micranthes foliolosa	10	Native	OBL		
MIOD2	Saxifragaceae	Micranthes odontoloma	8	Native	FACW	FACW	FACW
MIOR2	Saxifragaceae	Micranthes oregana	8	Native	FACW	OBL	OBL
MIRH	Saxifragaceae	Micranthes rhomboidea	8	Native	FAC	FAC	FACW
MOPU3	Chenopodiaceae	Micromonolepis pusilla	1	Native			
MINU	Asteraceae	Microseris nutans	5	Native			
MIGR	Polemoniaceae	Microsteris gracilis	7	Native	FACU	UPL	FACU
MIBO2	Fabaceae	Mimosa borealis	6	Native			
MINU6	Fabaceae	Mimosa nuttallii	6	Native			
MIRU5	Fabaceae	Mimosa rupertiana	7	Native			
MIEA	Phrymaceae	Mimulus eastwoodiae	10	Native	OBL		OBL
MIFL2	Phrymaceae	Mimulus floribundus	10	Native	OBL	OBL	OBL
MIGE	Phrymaceae	Mimulus gemmiparus	9	Native			
MIGL	Phrymaceae	Mimulus glabratus	5	Native	OBL	OBL	OBL
MIGU	Phrymaceae	Mimulus guttatus	8	Native	OBL	OBL	OBL
MILE2	Phrymaceae	Mimulus lewisii	8	Native	FACW		FACW
MIMO3	Phrymaceae	Mimulus moschatus	9	Native	OBL	OBL	FACW
MIRI	Phrymaceae	Mimulus ringens	Not Assigned	Native	OBL	OBL	OBL
MIRU	Phrymaceae	Mimulus rubellus	8	Native	FAC	FACW	FAC
MISU2	Phrymaceae	Mimulus suksdorfii	6	Native	FACU	FACW	FACU
MITI	Phrymaceae	Mimulus tilingii	10	Native	OBL	OBL	OBL
MIMA3	Caryophyllaceae	Minuartia macrantha	10	Native			
MINUN2	Caryophyllaceae	Minuartia nuttallii var. nuttallii	6	Native			
MIOB2	Caryophyllaceae	Minuartia obtusiloba	8	Native	FACU	FACU	FACU
MIRU3	Caryophyllaceae	Minuartia rubella	8	Native	FACU	FAC	FACU
MIST5	Caryophyllaceae	Minuartia stricta	10	Native	FAC	FAC	FAC
MIAL5	Nyctaginaceae	Mirabilis alipes	9	Native			
MIGL3	Nyctaginaceae	Mirabilis glabra	5	Native			
MIHI	Nyctaginaceae	Mirabilis hirsuta	6	Native			
MILA7	Nyctaginaceae	Mirabilis lanceolata	5	Native			
MILI3	Nyctaginaceae	Mirabilis linearis	5	Native			
MILIL	Nyctaginaceae	Mirabilis linearis var. linearis	5	Native			
MILIS	Nyctaginaceae	Mirabilis linearis var. subhispida	5	Native			
MIME8	Nyctaginaceae	Mirabilis melanotricha	Not Assigned	Native			
MIMU	Nyctaginaceae	Mirabilis multiflora	7	Native			
MIMUG	Nyctaginaceae	Mirabilis multiflora var. glandulosa	7	Native			
MIMUM	Nyctaginaceae	Mirabilis multiflora var. multiflora	7	Native			
MINY	Nyctaginaceae	Mirabilis nyctaginea	2	Native	FACU	UPL	FACU
MIOX	Nyctaginaceae	Mirabilis oxybaphoides	7	Native			
MIRO2	Nyctaginaceae	Mirabilis rotundifolia	8	Native			
MISI	Poaceae	Miscanthus sinensis	0	Non-native	FAC	FACU	FACU
MIPE	Saxifragaceae	Mitella pentandra	9	Native	FAC	FAC	FACW
MISTS	Saxifragaceae	Mitella stauropetala var. stenopetala	10	Native	FAC	FAC	FAC
MOLA6	Caryophyllaceae	Moehringia lateriflora	8	Native	FAC	FACU	FACU
MOMA3	Caryophyllaceae	Moehringia macrophylla	8	Native	FACU	UPL	FAC

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MOVE	Molluginaceae	Mollugo verticillata	0	Non-native	FAC	FAC	FACU
MOFIM2	Lamiaceae	Monarda fistulosa var. menthifolia	6	Native	FACU	UPL	FACU
MOPE	Lamiaceae	Monarda pectinata	5	Native			
MOOD	Lamiaceae	Monardella odoratissima	8	Native	UPL	UPL	FACU
MOUN2	Ericaceae	Moneses uniflora	9	Native	FACU	FAC	FACU
MONU	Chenopodiaceae	Monolepis nuttalliana	4	Native	FAC	FAC	FAC
MOHY3	Ericaceae	Monotropa hypopithys	8	Native			
MOCH	Montiaceae	Montia chamissoi	8	Native	OBL	OBL	OBL
MOAL	Moraceae	Morus alba	0	Non-native	FACU	FACU	FACU
LYSE3	Poaceae	Muhlenbergia alopecuroides	8	Native			
REFL	Poaceae	Muhlenbergia ammophila	8	Native			
MUAN	Poaceae	Muhlenbergia andina	7	Native	FAC	FAC	FAC
MUAR	Poaceae	Muhlenbergia arenacea	7	Native			
MUAR2	Poaceae	Muhlenbergia arenicola	5	Native			
MUAS	Poaceae	Muhlenbergia asperifolia	4	Native	FACW	FACW	FACW
MUBR2	Poaceae	Muhlenbergia brevis	5	Native			
MUCU3	Poaceae	Muhlenbergia cuspidata	6	Native			
MUDE	Poaceae	Muhlenbergia depauperata	8	Native			
MUFI	Poaceae	Muhlenbergia filiculmis	4	Native			
MUFI2	Poaceae	Muhlenbergia filiformis	8	Native	FACW	FACW	FACW
MUME2	Poaceae	Muhlenbergia mexicana	Not Assigned	Native	FAC	FACW	FAC
MUMI2	Poaceae	Muhlenbergia minutissima	8	Native	FAC	FAC	FAC
MUMO	Poaceae	Muhlenbergia montana	7	Native	UPL	FACU	UPL
SCPA	Poaceae	Muhlenbergia paniculata	2	Native			
MUPA2	Poaceae	Muhlenbergia pauciflora	Not Assigned	Native			
LYPH	Poaceae	Muhlenbergia phleoides	7	Native			
MUPO2	Poaceae	Muhlenbergia porteri	7	Native			
MUPU2	Poaceae	Muhlenbergia pungens	6	Native			
MURA	Poaceae	Muhlenbergia racemosa	5	Native	FACW	FACW	FACW
MURA4	Poaceae	Muhlenbergia ramulosa	Not Assigned	Native	FACU	FACU	FACU
MURI	Poaceae	Muhlenbergia richardsonis	8	Native	FAC	FAC	FAC
MUSC	Poaceae	Muhlenbergia schreberi	0	Non-native	FACU	FACU	FACU
MUTH	Poaceae	Muhlenbergia thurberi	10	Native			
MUTO2	Poaceae	Muhlenbergia torreyi	5	Native			
BLTR	Poaceae	Muhlenbergia tricholepis	8	Native			
MUWR	Poaceae	Muhlenbergia wrightii	7	Native	FACU	FACU	FACU
MUSQ3	Poaceae	Munroa squarrosa	4	Native			
MUDI	Apiaceae	Musineon divaricatum	5	Native			
MUTE3	Apiaceae	Musineon tenuifolium	8	Native			
MYAR	Boraginaceae	Myosotis arvensis	0	Non-native			
MYAS2	Boraginaceae	Myosotis asiatica	10	Native	FAC	FAC	FAC
MYSC	Boraginaceae	Myosotis scorpioides	0	Non-native	FACW	OBL	FACW
MYAPM	Ranunculaceae	Myosurus apetalus var. montanus	5	Native	OBL	FACW	OBL
MYCU	Ranunculaceae	Myosurus cupulatus	5	Native	FAC		FAC
MYMI2	Ranunculaceae	Myosurus minimus	5	Native	OBL	FACW	OBL
MYNI	Ranunculaceae	Myosurus nitidus	Not Assigned	Native			
MYSI	Haloragaceae	Myriophyllum sibiricum	3	Native	OBL	OBL	OBL
MYVE3	Haloragaceae	Myriophyllum verticillatum	8	Native	OBL	OBL	OBL
NAGUG	Hydrocharitaceae	Najas guadalupensis ssp. guadalupensis	1	Native	OBL	OBL	OBL
NADEP	Hydrophyllaceae	Nama densum var. parviflorum	Not Assigned	Native			
NADI	Hydrophyllaceae	Nama dichotomum	10	Native			
NARE	Hydrophyllaceae	Nama retrorsum	Not Assigned	Native			
NAVI4	Poaceae	Nassella viridula	4	Native			
NAOF	Brassicaceae	Nasturtium officinale	0	Non-native	OBL	OBL	OBL
NABR	Polemoniaceae	Navarretia breweri	5	Native	FAC	FAC	FAC
NASA3	Polemoniaceae	Navarretia saximontana	5	Native	FACW	FACW	FACW
NASI2	Polemoniaceae	Navarretia sinistra	6	Native			
NEBR	Hydrophyllaceae	Nemophila breviflora	4	Native			
NELI2	Apiaceae	Neoparrya lithophila	9	Native			
NECA2	Lamiaceae	Nepeta cataria	0	Non-native	FACU	FACU	FACU
NERA2	Lamiaceae	Nepeta racemosa	0	Non-native			

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NIPH	Solanaceae	Nicandra physalodes	0	Non-native			
NIAT	Solanaceae	Nicotiana attenuata	3	Native	FACU	FAC	FACU
NOFEG	Brassicaceae	Noccaea fendleri ssp. glauca	5	Native			
NOTE	Ruscaceae	Nolina texana	10	Native			
NOCU	Asteraceae	Nothocalais cuspidata	4	Native			
NOST	Pteridaceae	Notholaena standleyi	10	Native			
NUPO2	Nymphaeaceae	Nuphar polysepala	7	Native	OBL	OBL	OBL
NYODO	Nymphaeaceae	Nymphaea odorata ssp. odorata	0	Non-native	OBL	OBL	OBL
OEAC	Onagraceae	Oenothera acutissima	4	Native			
OEAL	Onagraceae	Oenothera albicaulis	6	Native			
OEBI	Onagraceae	Oenothera biennis	3	Native	FACU	FACU	FACU
OECA3	Onagraceae	Oenothera canescens	4	Native	FAC	FAC	FAC
OECE2	Onagraceae	Oenothera cespitosa	5	Native			
OECEC2	Onagraceae	Oenothera cespitosa ssp. cespitosa	5	Native			
OECEM3	Onagraceae	Oenothera cespitosa ssp. macroglottis	3	Native			
OECEM4	Onagraceae	Oenothera cespitosa ssp. marginata	3	Native			
OECEN	Onagraceae	Oenothera cespitosa ssp. navajoensis	3	Native			
OECI	Onagraceae	Oenothera cinerea	5	Native			
OECO	Onagraceae	Oenothera coloradensis	8	Native	FACW	FAC	FACW
OECO2	Onagraceae	Oenothera coronopifolia	4	Native			
OECU2	Onagraceae	Oenothera curtiflora	1	Native	FACU	UPL	FACU
OECON2	Onagraceae	Oenothera dodgeniana	8	Native	FACW	FAC	FACW
OEELH	Onagraceae	Oenothera elata ssp. hirsutissima	5	Native	FACW	FACW	FACW
OEEN	Onagraceae	Oenothera engelmannii	7	Native			
OEFL	Onagraceae	Oenothera flava	6	Native	FAC	FACW	FAC
STLI2	Onagraceae	Oenothera glaucifolia	7	Native			
OEGR2	Onagraceae	Oenothera grandis	4	Native			
OEHA6	Onagraceae	Oenothera harringtonii	6	Native			
CAHAH	Onagraceae	Oenothera hartwegii	7	Native			
OEHO2	Onagraceae	Oenothera howardii	5	Native			
OELA5	Onagraceae	Oenothera lavandulifolia	7	Native			
OELO	Onagraceae	Oenothera longissima	6	Native	OBL		OBL
OENU	Onagraceae	Oenothera nuttallii	4	Native			
OEPA	Onagraceae	Oenothera pallida	4	Native			
OEPAL	Onagraceae	Oenothera pallida ssp. latifolia	5	Native			
OEPAP	Onagraceae	Oenothera pallida ssp. pallida	4	Native			
OEPAR	Onagraceae	Oenothera pallida ssp. runcinata	4	Native			
OEPAT	Onagraceae	Oenothera pallida ssp. trichocalyx	4	Native			
OERH	Onagraceae	Oenothera rhombipetala	Not Assigned	Native		FACU	FACU
OESE3	Onagraceae	Oenothera serrulata var. serrulata	7	Native			
OESU3	Onagraceae	Oenothera suffrutescens	5	Native			
OEVI	Onagraceae	Oenothera villosa	4	Native	FAC	FACU	FAC
OEVIS	Onagraceae	Oenothera villosa ssp. strigosa	4	Native	FAC	FACU	FAC
OEVIV	Onagraceae	Oenothera villosa ssp. villosa	4	Native	FAC	FACU	FAC
ONVI	Fabaceae	Onobrychis viciifolia	0	Non-native			
ONSE	Dryopteridaceae	Onoclea sensibilis	9	Native	FACW	FACW	
ONAC	Asteraceae	Onopordum acanthium	0	Non-native			
ONTA	Asteraceae	Onopordum tauricum	0	Non-native			
ONBEO	Boraginaceae	Onosmodium bejariense var. occidentale	5	Native			
OOEN	Asteraceae	Oönopsis engelmannii	5	Native			
OOFO	Asteraceae	Oönopsis foliosa	6	Native			
OOFOM	Asteraceae	Oönopsis monocephala	5	Native			
ZZ_OOPU50	Asteraceae	Oönopsis puebloensis	5	Native			
OOWA	Asteraceae	Oönopsis wardii	7	Native			
OPFR	Cactaceae	Opuntia fragilis	3	Native			
OPMA2	Cactaceae	Opuntia macrorhiza	3	Native			
OPPH	Cactaceae	Opuntia phaeacantha	5	Native			
OPPO	Cactaceae	Opuntia polyacantha	5	Native			
OPPOH	Cactaceae	Opuntia polyacantha var. hystricina	5	Native			
OPPOP	Cactaceae	Opuntia polyacantha var. polyacantha	5	Native			
OPPOT	Cactaceae	Opuntia polyacantha var. trichophora	5	Native			

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ORAP	Boraginaceae	Oreocarya aperta	5	Native			
ORBA4	Boraginaceae	Oreocarya bakeri	6	Native			
ORBR3	Boraginaceae	Oreocarya breviflora	8	Native			
ORCA8	Boraginaceae	Oreocarya caespitosa	7	Native			
ORCA11	Boraginaceae	Oreocarya cana	9	Native			
ORCE2	Boraginaceae	Oreocarya celosioides	6	Native			
OREL2	Boraginaceae	Oreocarya elata	8	Native			
ORFL2	Boraginaceae	Oreocarya flava	7	Native			
ORFL3	Boraginaceae	Oreocarya flavoculata	7	Native			
ORHU2	Boraginaceae	Oreocarya humilis	6	Native			
ORLO	Boraginaceae	Oreocarya longiflora	7	Native			
ORME	Boraginaceae	Oreocarya mensana	5	Native			
ORNI	Boraginaceae	Oreocarya nitida	6	Native			
OROS	Boraginaceae	Oreocarya osterhoutii	8	Native			
ORPA4	Boraginaceae	Oreocarya paradoxa	8	Native			
ORPU14	Boraginaceae	Oreocarya pustulosa	8	Native			
ORRE	Boraginaceae	Oreocarya revealii	9	Native			
ORRO4	Boraginaceae	Oreocarya rollinsii	8	Native			
ORSE3	Boraginaceae	Oreocarya sericea	7	Native			
ORST2	Boraginaceae	Oreocarya stricta	8	Native			
ORSU2	Boraginaceae	Oreocarya suffruticosa	6	Native			
ORTH3	Boraginaceae	Oreocarya thyrsiflora	6	Native			
ORVI4	Boraginaceae	Oreocarya virgata	5	Native			
ORWE2	Boraginaceae	Oreocarya weberi	8	Native			
ORPA3	Asteraceae	Oreochrysum parryi	8	Native			
ORFA	Orobanchaceae	Orobanche fasciculata	5	Native			
ORLU	Orobanchaceae	Orobanche ludoviciana	6	Native			
ORMU	Orobanchaceae	Orobanche multiflora	6	Native			
ORRI	Orobanchaceae	Orobanche riparia	Not Assigned	Native	FACW	FACW	FACW
ORUN	Orobanchaceae	Orobanche uniflora	6	Native	FACU	UPL	FACU
ORLI	Apiaceae	Orogenia linearifolia	7	Native			
ORSE	Ericaceae	Orthilia secunda	8	Native	FACU	FACU	FACU
ORLU2	Orobanchaceae	Orthocarpus luteus	6	Native	FACU	FACU	FACU
ORPU2	Orobanchaceae	Orthocarpus purpureoalbus	7	Native			
ORAS	Poaceae	Oryzopsis asperifolia	7	Native			
OSBE	Apiaceae	Osmorhiza berteroi	5	Native	FACU	FACU	FACU
OSDE	Apiaceae	Osmorhiza depauperata	7	Native			
OSLO	Apiaceae	Osmorhiza longistylis	8	Native	FACU	FAC	FACU
OSOC	Apiaceae	Osmorhiza occidentalis	7	Native			
OXCO	Oxalidaceae	Oxalis corniculata	0	Non-native	FACU	FACU	FACU
OXDI2	Oxalidaceae	Oxalis dillenii	4	Native	FACU	FACU	FACU
OXST	Oxalidaceae	Oxalis stricta	1	Native	FACU	FACU	FACU
OXVI	Oxalidaceae	Oxalis violacea	7	Native			
OXFE	Apiaceae	Oxypolis fendleri	7	Native	FACW	FACW	FACW
OXDI3	Polygonaceae	Oxyria digyna	7	Native	FACU	FAC	FACU
OXAC4	Asteraceae	Oxytenia acerosa	1	Native	FACU	UPL	FACU
OXBEO	Fabaceae	Oxytropis besseyi var. obnapiformis	6	Native			
OXCA4	Fabaceae	Oxytropis campestris	6	Native			
OXCAC3	Fabaceae	Oxytropis campestris var. cusickii	6	Native			
OXCAS3	Fabaceae	Oxytropis campestris var. spicata	7	Native			
OXDE2	Fabaceae	Oxytropis deflexa	8	Native	FACU	FACU	FACU
ZZ_OXDED50	Fabaceae	Oxytropis deflexa var. deflexa	8	Native	FACU	FACU	FACU
OXDES	Fabaceae	Oxytropis deflexa var. sericea	8	Native	FACU	FACU	FACU
OXLA3	Fabaceae	Oxytropis lambertii	5	Native	UPL	UPL	UPL
OXMO2	Fabaceae	Oxytropis monticola	5	Native			
OXMU	Fabaceae	Oxytropis multiceps	8	Native			
OXPA2	Fabaceae	Oxytropis parryi	6	Native	FACU	FACU	FACU
OXPO	Fabaceae	Oxytropis podocarpa	9	Native			
OXSES	Fabaceae	Oxytropis sericea var. sericea	5	Native			
OXSP	Fabaceae	Oxytropis splendens	6	Native	FAC	FACU	FAC
OXVI2	Fabaceae	Oxytropis viscida	8	Native			

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					Mtns	Plains	West
PACA15	Asteraceae	Packera cana	6	Native			
PACR5	Asteraceae	Packera crocata	6	Native	FAC	FAC	FAC
PADE22	Asteraceae	Packera debilis	10	Native	FACW	FACW	FACW
PADI11	Asteraceae	Packera dimorphophylla	6	Native	FAC	FACU	FACU
PAFE4	Asteraceae	Packera fendleri	4	Native			
PAMA2	Asteraceae	Packera mancosana	7	Native			
PAMU11	Asteraceae	Packera multilobata	5	Native			
PANEM	Asteraceae	Packera neomexicana var. mutabilis	8	Native			
PAPA20	Asteraceae	Packera paupercula	7	Native	FACW	FAC	FACW
PAPL12	Asteraceae	Packera plattensis	6	Native	UPL	FACU	UPL
PAPO12	Asteraceae	Packera porteri	9	Native			
PAPSF	Asteraceae	Packera pseudaurea var. flavula	7	Native	FACW	FACW	FACW
PAST10	Asteraceae	Packera streptanthifolia	8	Native	FACU	UPL	FACU
PATR7	Asteraceae	Packera tridenticulata	7	Native			
PAWE4	Asteraceae	Packera werneriifolia	7	Native			
PARO	Asteraceae	Palafoxia rosea	6	Native			
PASP	Asteraceae	Palafoxia sphacelata	5	Native			
PACA6	Poaceae	Panicum capillare	1	Native	FAC	FAC	FACU
PADID	Poaceae	Panicum dichotomiflorum var. dichotomiflorum	0	Non-native	FACW	FAC	FACW
PAHAH	Poaceae	Panicum hallii var. hallii	8	Native	UPL	FACU	UPL
PAMI2	Poaceae	Panicum miliaceum	0	Non-native			
PAVI2	Poaceae	Panicum virgatum	5	Native	FACW	FAC	FACW
PADU	Papaveraceae	Papaver dubium	0	Non-native			
PANUA	Papaveraceae	Papaver nudicaule ssp. americanum	0	Non-native			
PAOR5	Papaveraceae	Papaver orientale	0	Non-native			
PARAK	Papaveraceae	Papaver radicatum ssp. kluanense	9	Native			
PARH2	Papaveraceae	Papaver rhoeas	0	Non-native			
PASO2	Papaveraceae	Papaver somniferum	0	Non-native			
ACSP12	Poaceae	Pappostipa speciosa	8	Native			
PAPE5	Urticaceae	Parietaria pensylvanica	1	Native	FACU	FAC	FACU
PAFI3	Parnassiaceae	Parnassia fimbriata	8	Native	OBL	OBL	OBL
PAKO3	Parnassiaceae	Parnassia kotzebuei	8	Native	OBL	OBL	OBL
PAPAM2	Parnassiaceae	Parnassia palustris var. montanensis	7	Native	OBL	OBL	OBL
PADE4	Caryophyllaceae	Paronychia depressa	7	Native			
PAJA	Caryophyllaceae	Paronychia jamesii	6	Native			
PAPU2	Caryophyllaceae	Paronychia pulvinata	9	Native			
PASE	Caryophyllaceae	Paronychia sessiliflora	7	Native			
PAFI4	Fabaceae	Parryella filifolia	Not Assigned	Native			
PAAL6	Asteraceae	Parthenium alpinum	7	Native			
ZZ_PAALA50	Asteraceae	Parthenium alpinum var. alpinum	7	Native			
PAALT	Asteraceae	Parthenium alpinum var. tetraneuris	8	Native			
PALI6	Asteraceae	Parthenium ligulatum	6	Native			
PAQU2	Vitaceae	Parthenocissus quinquefolia	0	Non-native	FAC	FACU	FAC
PAVI5	Vitaceae	Parthenocissus vitacea	3	Native	FACU	FAC	FACU
PASM	Poaceae	Pascopyrum smithii	5	Native	FACU	FACU	FAC
PADI3	Poaceae	Paspalum dilatatum	0	Non-native	FAC	FAC	FAC
PAPU5	Poaceae	Paspalum pubiflorum	0	Non-native	FAC	FACW	FACW
PARA6	Poaceae	Paspalum racemosum	0	Non-native	FAC	FAC	
PASE5	Poaceae	Paspalum setaceum	5	Native	UPL	FAC	UPL
PASA2	Apiaceae	Pastinaca sativa	0	Non-native			
PAMY	Celastraceae	Paxistima myrsinites	7	Native	FACU	FACU	FACU
PEANA	Asteraceae	Pectis angustifolia var. angustifolia	4	Native			
PEBRP2	Orobanchaceae	Pedicularis bracteosa var. paysoniana	7	Native			
PECAF	Orobanchaceae	Pedicularis canadensis ssp. fluviatilis	8	Native	FAC	FACU	FAC
PECE	Orobanchaceae	Pedicularis centranthera	8	Native			
PECR	Orobanchaceae	Pedicularis crenulata	7	Native	FACW	FACW	FACW
PEGR2	Orobanchaceae	Pedicularis groenlandica	8	Native	OBL	OBL	OBL
PEPA3	Orobanchaceae	Pedicularis parryi	9	Native	FACU	FAC	FACU
PEPR7	Orobanchaceae	Pedicularis procera	8	Native	FACU	FAC	FACU
PERAA	Orobanchaceae	Pedicularis racemosa ssp. alba	7	Native			
PESUS2	Orobanchaceae	Pedicularis sudetica ssp. scopulorum	8	Native	FACW	FACW	FACW

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PEKN2	Cactaceae	Pediocactus knowltonii	Not Assigned	Native			
PESI	Cactaceae	Pediocactus simpsonii	6	Native			
PEAR6	Fabaceae	Pediomelum argophyllum	7	Native			
PEAR7	Fabaceae	Pediomelum aromaticum	6	Native			
PECU3	Fabaceae	Pediomelum cuspidatum	8	Native			
PEDI9	Fabaceae	Pediomelum digitatum	9	Native			
PEES	Fabaceae	Pediomelum esculentum	7	Native			
PEHY4	Fabaceae	Pediomelum hypogaeum	9	Native			
PELI10	Fabaceae	Pediomelum linearifolium	8	Native			
PEME7	Fabaceae	Pediomelum megalanthum	7	Native			
PEHA	Nitrariaceae	Peganum harmala	0	Non-native			
PEAT2	Pteridaceae	Pellaea atropurpurea	9	Native			
PEBR4	Pteridaceae	Pellaea breweri	9	Native			
PEGA5	Pteridaceae	Pellaea gastonyi	Not Assigned	Native			
PEGL	Pteridaceae	Pellaea glabella	9	Native			
PEGLO3	Pteridaceae	Pellaea glabella ssp. occidentalis	9	Native			
PEGLS3	Pteridaceae	Pellaea glabella ssp. simplex	9	Native			
PETR3	Pteridaceae	Pellaea truncata	10	Native			
PEWR	Pteridaceae	Pellaea wrightiana	9	Native			
PELO3	Brassicaceae	Pennellia longifolia	Not Assigned	Native			
PEMI7	Brassicaceae	Pennellia micrantha	Not Assigned	Native			
PEGL2	Poaceae	Pennisetum glaucum	0	Non-native	FACU	FACU	FACU
PEAL2	Plantaginaceae	Penstemon albidus	5	Native			
PEAM	Plantaginaceae	Penstemon ambiguus	7	Native			
PEAN4	Plantaginaceae	Penstemon angustifolius	5	Native			
PEANA2	Plantaginaceae	Penstemon angustifolius var. angustifolius	5	Native			
PEANC	Plantaginaceae	Penstemon angustifolius var. caudatus	5	Native			
PEAR	Plantaginaceae	Penstemon arenicola	5	Native			
PEAU2	Plantaginaceae	Penstemon auriberbis	7	Native			
PEBA2	Plantaginaceae	Penstemon barbatus	7	Native			
PEBAT	Plantaginaceae	Penstemon barbatus ssp. torreyi	7	Native			
PEBAT2	Plantaginaceae	Penstemon barbatus ssp. trichander	7	Native			
PEBR9	Plantaginaceae	Penstemon breviculus	6	Native			
PEBU	Plantaginaceae	Penstemon buckleyi	8	Native			
PECA4	Plantaginaceae	Penstemon caespitosus	7	Native			
PECO4	Plantaginaceae	Penstemon cobaea	10	Native			
PECO5	Plantaginaceae	Penstemon comarrhenus	7	Native			
PECR5	Plantaginaceae	Penstemon crandallii	7	Native			
PECRC	Plantaginaceae	Penstemon crandallii ssp. crandallii	6	Native			
PECRG	Plantaginaceae	Penstemon crandallii ssp. glabrescens	7	Native			
PECRP	Plantaginaceae	Penstemon crandallii ssp. procumbens	9	Native			
PECY4	Plantaginaceae	Penstemon cyanocaulis	8	Native			
PECY6	Plantaginaceae	Penstemon cyathophorus	7	Native			
PEDE22	Plantaginaceae	Penstemon debilis	9	Native			
PEDE12	Plantaginaceae	Penstemon degeneri	8	Native			
PEEA	Plantaginaceae	Penstemon eatonii	6	Native			
PEEAE2	Plantaginaceae	Penstemon eatonii ssp. eatonii	6	Native			
PEEAU	Plantaginaceae	Penstemon eatonii ssp. undosus	6	Native			
PEER	Plantaginaceae	Penstemon eriantherus	5	Native			
PEFE	Plantaginaceae	Penstemon fendleri	5	Native			
PEFR	Plantaginaceae	Penstemon fremontii	7	Native			
PEFRG	Plantaginaceae	Penstemon fremontii var. glabrescens	7	Native			
PEGI4	Plantaginaceae	Penstemon gibbensii	10	Native			
PEGL3	Plantaginaceae	Penstemon glaber	7	Native			
PEGLA	Plantaginaceae	Penstemon glaber var. alpinus	7	Native			
PEGLB	Plantaginaceae	Penstemon glaber var. brandegeei	7	Native			
PEGR5	Plantaginaceae	Penstemon gracilis	5	Native	UPL	FACU	UPL
PEGR6	Plantaginaceae	Penstemon grahamii	8	Native			
PEGR7	Plantaginaceae	Penstemon grandiflorus	6	Native			
PEGR20	Plantaginaceae	Penstemon griffinii	7	Native			
PEHA9	Plantaginaceae	Penstemon hallii	8	Native			

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PEHA10	Plantaginaceae	Penstemon harbourii	10	Native			
PEHA11	Plantaginaceae	Penstemon harringtonii	6	Native			
PEHUH	Plantaginaceae	Penstemon humilis ssp. humilis	7	Native			
PEJA	Plantaginaceae	Penstemon jamesii	6	Native			
PELAE	Plantaginaceae	Penstemon laricifolius ssp. exilifolius	8	Native			
PELEL2	Plantaginaceae	Penstemon lentus var. lentus	6	Native			
PELIC	Plantaginaceae	Penstemon linarioides ssp. coloradoensis	6	Native			
PEME2	Plantaginaceae	Penstemon mensarum	5	Native			
PEMO3	Plantaginaceae	Penstemon moffatii	6	Native			
PEOP	Plantaginaceae	Penstemon ophianthus	Not Assigned	Native			
PEOS	Plantaginaceae	Penstemon osterhoutii	6	Native			
PEPA6	Plantaginaceae	Penstemon pachyphyllus	6	Native			
PEPA8	Plantaginaceae	Penstemon palmeri	3	Native			
PEPE25	Plantaginaceae	Penstemon penlandii	9	Native			
PEPRP	Plantaginaceae	Penstemon procerus var. procerus	6	Native	FAC	UPL	FAC
PERA2	Plantaginaceae	Penstemon radicosus	8	Native			
PERE7	Plantaginaceae	Penstemon retrorsus	6	Native			
PERO10	Plantaginaceae	Penstemon rostriflorus	8	Native			
PERY	Plantaginaceae	Penstemon rydbergii	7	Native	FACU	FAC	FACU
PESA2	Plantaginaceae	Penstemon saxosorum	6	Native			
PESC5	Plantaginaceae	Penstemon scariosus	7	Native			
PESCA	Plantaginaceae	Penstemon scariosus var. albifluvis	7	Native			
PESCC	Plantaginaceae	Penstemon scariosus var. cyanomontanus	9	Native			
PESE11	Plantaginaceae	Penstemon secundiflorus	6	Native			
PEST2	Plantaginaceae	Penstemon strictus	5	Native			
PESTS	Plantaginaceae	Penstemon strictus ssp. strictiformis	7	Native			
ZZ_PESTS50	Plantaginaceae	Penstemon strictus ssp. strictus	5	Native			
PETE9	Plantaginaceae	Penstemon teucrioides	7	Native			
PEUT	Plantaginaceae	Penstemon utahensis	7	Native			
PEVE9	Plantaginaceae	Penstemon versicolor	7	Native			
PEVI3	Plantaginaceae	Penstemon virens	7	Native			
PEVIA3	Plantaginaceae	Penstemon virgatus var. asa-grayi	6	Native	FACU	FACU	FACU
PEWA	Plantaginaceae	Penstemon watsonii	5	Native			
PEWH	Plantaginaceae	Penstemon whippleanus	7	Native	FACU	FACU	FACU
PEYA2	Plantaginaceae	Penstemon yampaensis	6	Native			
PERA4	Rosaceae	Peraphyllum ramosissimum	7	Native			
PECA10	Asteraceae	Pericome caudata	6	Native			
PEGAB	Apiaceae	Perideridia gairdneri ssp. borealis	5	Native	FAC	FACU	FAC
PEAM8	Polygonaceae	Persicaria amphibia	4	Native	OBL	OBL	OBL
PEBI4	Polygonaceae	Persicaria bicornis	4	Native	FACW	FACW	FACW
PEHY6	Polygonaceae	Persicaria hydropiper	0	Non-native	OBL	OBL	OBL
PELA22	Polygonaceae	Persicaria lapathifolia	2	Native	FACW	OBL	FACW
PEMA24	Polygonaceae	Persicaria maculosa	0	Non-native	FACW	FACW	FACW
PEPE19	Polygonaceae	Persicaria pensylvanica	1	Native	FACW	FACW	FACW
PEPU18	Polygonaceae	Persicaria punctata	0	Non-native	OBL	OBL	OBL
PESA20	Polygonaceae	Persicaria sagittata	Not Assigned	Native	OBL	OBL	OBL
PEFRS5	Asteraceae	Petasites frigidus var. sagittatus	8	Native	FACW	FAC	FACW
PEPUP	Asteraceae	Petradoria pumila ssp. pumila	6	Native			
PECA12	Rosaceae	Petrophytum caespitosum	8	Native			
PHAL9	Hydrophyllaceae	Phacelia alba	2	Native			
PHBA3	Hydrophyllaceae	Phacelia bakeri	7	Native			
PHCO19	Hydrophyllaceae	Phacelia constancei	7	Native			
PHCRC	Hydrophyllaceae	Phacelia crenulata var. corrugata	3	Native			
PHDED	Hydrophyllaceae	Phacelia demissa var. demissa	7	Native			
PHDE2	Hydrophyllaceae	Phacelia denticulata	6	Native			
PHDE22	Hydrophyllaceae	Phacelia deserta	7	Native			
PHFO2	Hydrophyllaceae	Phacelia formosula	8	Native			
PHGI3	Hydrophyllaceae	Phacelia gina-glenneae	7	Native			
PHGL3	Hydrophyllaceae	Phacelia glandulosa	6	Native			
PHHA	Hydrophyllaceae	Phacelia hastata	5	Native			
PHHE2	Hydrophyllaceae	Phacelia heterophylla	6	Native	FACU	FAC	FACU

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PHIN9	Hydrophyllaceae	Phacelia incana	Not Assigned	Native			
PHINI5	Hydrophyllaceae	Phacelia integrifolia var. integrifolia	Not Assigned	Native			
PHIV	Hydrophyllaceae	Phacelia ivesiana	4	Native			
PHSC5	Hydrophyllaceae	Phacelia scopulina	7	Native			
PHSCS2	Hydrophyllaceae	Phacelia scopulina var. scopulina	7	Native			
PHSCS3	Hydrophyllaceae	Phacelia scopulina var. submutica	8	Native			
PHSE	Hydrophyllaceae	Phacelia sericea	6	Native			
PHSEC	Hydrophyllaceae	Phacelia sericea ssp. ciliosa	6	Native			
PHSES	Hydrophyllaceae	Phacelia sericea ssp. sericea	5	Native			
PHSP3	Hydrophyllaceae	Phacelia splendens	7	Native			
PHAR3	Poaceae	Phalaris arundinacea	1	Cryptogenic	FACW	FACW	FACW
PHCA5	Poaceae	Phalaris canariensis	0	Non-native	FACU	FACU	FACU
PHCA6	Poaceae	Phalaris caroliniana	Not Assigned	Native	FACW	FACW	FACW
PHMI3	Poaceae	Phalaris minor	0	Non-native			
PHCO24	Thelypteridaceae	Phegopteris connectilis	Not Assigned	Native	FACU	FACU	FACU
PHCA48	Montiaceae	Phemeranthus calycinus	7	Native			
PHPA29	Montiaceae	Phemeranthus parviflorus	6	Native			
PHMI4	Hydrangeaceae	Philadelphus microphyllus	7	Native			
PHAL	Poaceae	Phippsia algida	9	Native	OBL		OBL
PHAL2	Poaceae	Phleum alpinum	6	Native	FAC	FAC	FAC
PHPR3	Poaceae	Phleum pratense	0	Non-native	FAC	FACU	FACU
PHAN4	Polemoniaceae	Phlox andicola	6	Native			
PHAU3	Polemoniaceae	Phlox austromontana	6	Native			
PHCA14	Polemoniaceae	Phlox caryophylla	4	Native			
PHCO11	Polemoniaceae	Phlox condensata	9	Native			
PHHO	Polemoniaceae	Phlox hoodii	5	Native			
PHKE	Polemoniaceae	Phlox kelseyi	9	Native	FACW	FAC	FACW
PHLO2	Polemoniaceae	Phlox longifolia	6	Native			
PHMU3	Polemoniaceae	Phlox multiflora	5	Native			
PHMU4	Polemoniaceae	Phlox muscoides	6	Native			
PHPU5	Polemoniaceae	Phlox pulvinata	9	Native			
PHJU	Viscaceae	Phoradendron juniperinum	5	Native			
PHAU7	Poaceae	Phragmites australis	1	Cryptogenic	FACW	FACW	FACW
PHAU6	Poaceae	Phragmites australis var. americanus	3	Native	FACW	FACW	FACW
ZZ_PHAUA50	Poaceae	Phragmites australis var. australis	0	Non-native	FACW	FACW	FACW
PHCU3	Verbenaceae	Phyla cuneifolia	4	Native	FAC	FAC	FAC
PHLA3	Verbenaceae	Phyla lanceolata	1	Native	OBL	FACW	OBL
PHFE	Solanaceae	Physalis fendleri	5	Native			
PHHEC	Solanaceae	Physalis hederifolia var. comata	5	Native			
PHHE5	Solanaceae	Physalis heterophylla	5	Native			
PHHI8	Solanaceae	Physalis hispida	5	Native			
PHLO4	Solanaceae	Physalis longifolia	4	Native			
PHSUN	Solanaceae	Physalis subulata var. neomexicana	4	Native			
PHVI5	Solanaceae	Physalis virginiana	4	Native			
PHAC4	Brassicaceae	Physaria acutifolia	6	Native			
PHAL10	Brassicaceae	Physaria alpina	7	Native			
LEAR6	Brassicaceae	Physaria arenosa	7	Native			
PHBE2	Brassicaceae	Physaria bellii	6	Native			
PHBR5	Brassicaceae	Physaria brassicoides	7	Native			
LECA9	Brassicaceae	Physaria calcicola	8	Native			
PHCO4	Brassicaceae	Physaria congesta	9	Native			
LEFE	Brassicaceae	Physaria fendleri	8	Native			
PHFL3	Brassicaceae	Physaria floribunda	6	Native			
PHFLO2	Brassicaceae	Physaria floribunda var. osterhoutii	Not Assigned	Native			
LELU	Brassicaceae	Physaria ludoviciana	6	Native			
LEMO3	Brassicaceae	Physaria montana	5	Native			
PHOB	Brassicaceae	Physaria obcordata	6	Native			
LEOV	Brassicaceae	Physaria ovalifolia	8	Native			
LEPA10	Brassicaceae	Physaria parviflora	7	Native			
LEPA7	Brassicaceae	Physaria parvula	9	Native			
LEPR2	Brassicaceae	Physaria pruinosa	7	Native			

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ZZ_PHPU50	Brassicaceae	Physaria pulvinata	6	Native			
PHRE9	Brassicaceae	Physaria rectipes	6	Native			
PHRE8	Brassicaceae	Physaria reediana	8	Native			
PHRO4	Brassicaceae	Physaria rollinsii	7	Native			
PHSC	Brassicaceae	Physaria scrotiformis	8	Native			
LESU	Brassicaceae	Physaria subumbellata	7	Native			
LEVI22	Brassicaceae	Physaria vicina	6	Native			
PHVI7	Brassicaceae	Physaria vitulifera	6	Native			
ZZ_PHVI50	Brassicaceae	Physaria vitulifera x P. bellii	6	Native			
PHAL7	Rosaceae	Physocarpus alternans	10	Native			
PHMO4	Rosaceae	Physocarpus monogynus	7	Native	UPL	FACU	UPL
PHOP	Rosaceae	Physocarpus opulifolius	8	Native	FACU	FACU	FACU
PIENE	Pinaceae	Picea engelmannii var. engelmannii	5	Native	FAC	FAC	FACU
PIPU	Pinaceae	Picea pungens	6	Native	FAC	FAC	FAC
PIOP	Asteraceae	Picradeniopsis oppositifolia	2	Native			
PIWO	Asteraceae	Picradeniopsis woodhousei	4	Native			
PIAR	Pinaceae	Pinus aristata	9	Native			
PICOL	Pinaceae	Pinus contorta var. latifolia	5	Native	FAC	FACU	FAC
PIED	Pinaceae	Pinus edulis	6	Native			
PIFL2	Pinaceae	Pinus flexilis	7	Native			
PIPOS	Pinaceae	Pinus ponderosa var. scopulorum	5	Native	FACU	UPL	FACU
PIST3	Pinaceae	Pinus strobiformis	7	Native			
PIUN3	Orchidaceae	Piperia unalascensis	10	Native	FACU	FACU	FACU
PIEX3	Poaceae	Piptatherum exiguum	8	Native			
PIMI7	Poaceae	Piptatherum micranthum	7	Native			
PIPU7	Poaceae	Piptatherum pungens	Not Assigned	Native			
PIST2	Araceae	Pistia stratiotes	0	Non-native	OBL	OBL	OBL
PLSCH	Boraginaceae	Plagiobothrys scouleri var. hispidulus	3	Native	FACW	FACW	FACW
PLEL	Plantaginaceae	Plantago elongata	5	Native	FACW	FACW	FACW
PLER	Plantaginaceae	Plantago eriopoda	5	Native	FACW	FAC	FACW
PLLA	Plantaginaceae	Plantago lanceolata	0	Non-native	FACU	FAC	FAC
PLMA2	Plantaginaceae	Plantago major	0	Non-native	FAC	FAC	FAC
PLPA2	Plantaginaceae	Plantago patagonica	2	Native	UPL	UPL	UPL
PLTW	Plantaginaceae	Plantago tweedyi	5	Native			
PLAQ2	Orchidaceae	Platanthera aquilonis	7	Native	FACW	OBL	OBL
PLDI3	Orchidaceae	Platanthera dilatata	8	Native	FACW	FACW	FACW
PLDIA	Orchidaceae	Platanthera dilatata var. albiflora	8	Native	FACW	FACW	FACW
PLDID	Orchidaceae	Platanthera dilatata var. dilatata	8	Native	FACW	FACW	FACW
PLHU2	Orchidaceae	Platanthera huronensis	7	Native	OBL	OBL	OBL
PLOB	Orchidaceae	Platanthera obtusata	10	Native	FACW	FACW	FACW
PLPU7	Orchidaceae	Platanthera purpurascens	8	Native	OBL	OBL	OBL
PLTE5	Orchidaceae	Platanthera tescamnis	9	Native	OBL	OBL	OBL
PLZO	Orchidaceae	Platanthera zothecina	10	Native			
PLIN7	Asteraceae	Platyschkuhria integrifolia	6	Native			
PLIND	Asteraceae	Platyschkuhria integrifolia var. desertorum	5	Native			
PLINO	Asteraceae	Platyschkuhria integrifolia var. oblongifolia	6	Native			
POABP	Poaceae	Poa abbreviata ssp. pattersonii	4	Native	FACU	FAC	FACU
POAL2	Poaceae	Poa alpina	7	Native	FAC	FACU	FAC
POAN	Poaceae	Poa annua	0	Non-native	FAC	FACU	FAC
POAR2	Poaceae	Poa arctica	7	Native	FACU	FACW	FACU
POARA	Poaceae	Poa arctica ssp. aperta	7	Native	FACU	FACW	FACU
POARG	Poaceae	Poa arctica ssp. grayana	7	Native	FACU	FACW	FACU
POAR3	Poaceae	Poa arida	5	Native	UPL	FAC	FAC
POBI	Poaceae	Poa bigelovii	6	Native			
POBU	Poaceae	Poa bulbosa	0	Non-native	FACU	FACU	FACU
POCO	Poaceae	Poa compressa	0	Non-native	FACU	FACU	FACU
POCU3	Poaceae	Poa cusickii	7	Native			
POCUE2	Poaceae	Poa cusickii ssp. epilis	7	Native			
POCUP3	Poaceae	Poa cusickii ssp. pallida	6	Native			
POFE	Poaceae	Poa fendleriana	5	Native			
POFEF	Poaceae	Poa fendleriana ssp. fendleriana	5	Native			

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POFEL	Poaceae	Poa fendleriana ssp. longiligula	7	Native			
POGL	Poaceae	Poa glauca	7	Native			
POGLG	Poaceae	Poa glauca ssp. glauca	7	Native			
POGLR2	Poaceae	Poa glauca ssp. rupicola	7	Native			
POIN	Poaceae	Poa interior	6	Native	FAC	FAC	FAC
POLE2	Poaceae	Poa leptocoma	8	Native	FACW	OBL	FACW
POLE3	Poaceae	Poa lettermanii	8	Native			
POOC	Poaceae	Poa occidentalis	6	Native			
POPA2	Poaceae	Poa palustris	6	Native	FAC	FACW	FAC
POPR	Poaceae	Poa pratensis	0	Non-native	FAC	FACU	FAC
POPRA	Poaceae	Poa pratensis ssp. agassizensis	4	Native	FAC	FACU	FAC
PORE	Poaceae	Poa reflexa	8	Native	OBL	OBL	FAC
POSE	Poaceae	Poa secunda	6	Native	FACU	FACU	FACU
POSEJ	Poaceae	Poa secunda ssp. juncifolia	6	Native	FACU	FACU	FACU
POSES6	Poaceae	Poa secunda ssp. secunda	6	Native	FACU	FACU	FACU
POST	Poaceae	Poa stenantha var. stenantha	8	Native	FACU	FAC	FACU
POTR	Poaceae	Poa tracyi	7	Native			
POTR2	Poaceae	Poa trivialis	0	Non-native	FAC	FACW	FACW
POWH2	Poaceae	Poa wheeleri	7	Native	UPL	UPL	UPL
POHU	Poaceae	Podagrostis humilis	10	Native	FACW	FACW	FACW
POEA	Apiaceae	Podistera eastwoodiae	8	Native			
PODOT	Capparaceae	Polanisia dodecandra ssp. trachysperma	1	Native	FACU	FACU	FACU
POJA3	Capparaceae	Polanisia jamesii	6	Native			
POBR8	Polemoniaceae	Polemonium brandegeei	7	Native			
POCO26	Polemoniaceae	Polemonium confertum	10	Native			
POFO	Polemoniaceae	Polemonium foliosissimum	7	Native	FACU	FAC	FAC
POOCO	Polemoniaceae	Polemonium occidentale ssp. occidentale	8	Native	FACW	FACW	FACW
POPUD3	Polemoniaceae	Polemonium pulcherrimum ssp. delicatum	8	Native			
POVI	Polemoniaceae	Polemonium viscosum	8	Native			
POIN3	Lamiaceae	Poliomintha incana	6	Native			
POAL4	Polygalaceae	Polygala alba	6	Native			
POSU2	Polygalaceae	Polygala subspinosa	4	Native			
POAC3	Polygonaceae	Polygonum achoreum	1	Native	FACU	FACU	FACU
POAR5	Polygonaceae	Polygonum argyrocoleon	0	Non-native	FAC	OBL	FAC
POAV	Polygonaceae	Polygonum aviculare	0	Non-native	FAC	FACU	FAC
PODO4	Polygonaceae	Polygonum douglasii	3	Native	FACU	FACU	FACU
POEN	Polygonaceae	Polygonum engelmannii	3	Native	FACU	FACU	FACU
POKE2	Polygonaceae	Polygonum kelloggii	7	Native	FACW	FACW	FACW
POKEC	Polygonaceae	Polygonum kelloggii ssp. confertiflorum	7	Native	FACW	FACW	FACW
ZZ_POKEK50	Polygonaceae	Polygonum kelloggii ssp. kelloggii	7	Native	FACW	FACW	FACW
POMI2	Polygonaceae	Polygonum minimum	7	Native	FACU	FAC	FACU
PORA3	Polygonaceae	Polygonum ramosissimum	2	Native	FAC	FACW	FAC
PODOJ2	Polygonaceae	Polygonum sawatchense ssp. sawatchense	6	Native	FACU	FACU	FACU
POHE3	Polypodiaceae	Polypodium hesperium	10	Native			
POSA19	Polypodiaceae	Polypodium saximontanum	9	Native			
POIN7	Poaceae	Polypogon interruptus	Not Assigned	Native	FACW	OBL	FACW
POMO5	Poaceae	Polypogon monspeliensis	0	Non-native	FACW	FACW	FACW
POVI9	Poaceae	Polypogon viridis	0	Non-native	FACW	FACW	FACW
POLO4	Dryopteridaceae	Polystichum lonchitis	10	Native	FACU	FACU	FACU
POSC5	Dryopteridaceae	Polystichum scopulinum	10	Native			
POJA5	Fabaceae	Pomaria jamesii	6	Native			
POAC5	Salicaceae	Populus ×acuminata	5	Native	FAC	FAC	FAC
POAL7	Salicaceae	Populus alba	0	Non-native			
POAN3	Salicaceae	Populus angustifolia	5	Native	FACW	FACW	FACW
POBA2	Salicaceae	Populus balsamifera	6	Native	FAC	FACW	FAC
PODE3	Salicaceae	Populus deltoides	4	Native	FAC	FAC	FAC
PODEM	Salicaceae	Populus deltoides ssp. monilifera	3	Native	FAC	FAC	FAC
PODEW	Salicaceae	Populus deltoides ssp. wislizeni	4	Native	FAC	FAC	FAC
POTR5	Salicaceae	Populus tremuloides	5	Native	FACU	FAC	FACU
POHA5	Portulacaceae	Portulaca halimoides	7	Native	FACW	FACW	FAC
POOL	Portulacaceae	Portulaca oleracea	0	Non-native	FAC	FAC	FAC

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POAL8	Potamogetonaceae	Potamogeton alpinus	5	Native	OBL	OBL	OBL
POAM5	Potamogetonaceae	Potamogeton amplifolius	5	Native	OBL	OBL	OBL
POCR3	Potamogetonaceae	Potamogeton crispus	0	Non-native	OBL	OBL	OBL
PODI	Potamogetonaceae	Potamogeton diversifolius	5	Native	OBL	OBL	OBL
POEP2	Potamogetonaceae	Potamogeton epihydrus	5	Native	OBL	OBL	OBL
POFO3	Potamogetonaceae	Potamogeton foliosus	4	Native	OBL	OBL	OBL
POGR8	Potamogetonaceae	Potamogeton gramineus	4	Native	OBL	OBL	OBL
POIL	Potamogetonaceae	Potamogeton illinoensis	5	Native	OBL	OBL	OBL
PONA4	Potamogetonaceae	Potamogeton natans	4	Native	OBL	OBL	OBL
PONO2	Potamogetonaceae	Potamogeton nodosus	5	Native	OBL	OBL	OBL
POPE7	Potamogetonaceae	Potamogeton perfoliatus	6	Native			
POPR5	Potamogetonaceae	Potamogeton praelongus	5	Native	OBL	OBL	OBL
POPU7	Potamogetonaceae	Potamogeton pusillus	5	Native	OBL	OBL	OBL
PORI2	Potamogetonaceae	Potamogeton richardsonii	5	Native	OBL	OBL	OBL
PORO2	Potamogetonaceae	Potamogeton robbinsii	7	Native	OBL	OBL	OBL
POAM6	Rosaceae	Potentilla ambigens	5	Native			
POAN7	Rosaceae	Potentilla anglica	0	Non-native			
POAN5	Rosaceae	Potentilla anserina	3	Native	OBL	FACW	OBL
POAR8	Rosaceae	Potentilla argentea	0	Non-native	FACU	FACU	FACU
POAR7	Rosaceae	Potentilla arguta	7	Native	FACU	FACU	FACU
POBI12	Rosaceae	Potentilla bicrenata	9	Native			
POBI7	Rosaceae	Potentilla biennis	4	Native	FACW	FACW	FACW
POBI10	Rosaceae	Potentilla bipinnatifida	6	Native			
POCO13	Rosaceae	Potentilla concinna	6	Native			
POCR4	Rosaceae	Potentilla crinita	10	Native			
POFI3	Rosaceae	Potentilla fissa	5	Native			
POFR4	Rosaceae	Potentilla fruticosa	4	Native	FAC	FACW	FAC
POGL9	Rosaceae	Potentilla glandulosa	4	Native	FAC	FAC	FAC
PODID	Rosaceae	Potentilla glaucophylla var. glaucophylla	6	Native	FACU	FACW	FACU
POGR9	Rosaceae	Potentilla gracilis	5	Native	FAC	FAC	FAC
POGRE	Rosaceae	Potentilla gracilis var. elmeri	5	Native	FAC	FAC	FAC
POGRF2	Rosaceae	Potentilla gracilis var. fastigiata	5	Native	FAC	FAC	FAC
POHI6	Rosaceae	Potentilla hippiana	5	Native	FACU	FACW	FACU
POHIE	Rosaceae	Potentilla hippiana var. effusa	4	Native			
POHIH	Rosaceae	Potentilla hippiana var. hippiana	5	Native	FACU	FACW	FACU
POHO2	Rosaceae	Potentilla hookeriana	9	Native	FACU	FACU	FACU
PONI2	Rosaceae	Potentilla nivea	8	Native			
PONO3	Rosaceae	Potentilla norvegica	1	Native	FAC	FAC	FAC
POOV2	Rosaceae	Potentilla ovina	7	Native			
POOVD	Rosaceae	Potentilla ovina var. decurrens	7	Native			
POOVO	Rosaceae	Potentilla ovina var. ovina	7	Native			
POPA14	Rosaceae	Potentilla palustris	9	Native	OBL	OBL	OBL
POPE8	Rosaceae	Potentilla pensylvanica	6	Native	FACU	FACU	FACU
POPL	Rosaceae	Potentilla plattensis	7	Native	FACW	FACW	FACW
POPU9	Rosaceae	Potentilla pulcherrima	5	Native	FAC	FAC	FAC
PORE5	Rosaceae	Potentilla recta	0	Non-native			
PORE6	Rosaceae	Potentilla reptans	0	Non-native			
PORI3	Rosaceae	Potentilla rivalis	5	Native	FACW	FACW	FACW
PORU4	Rosaceae	Potentilla rupincola	7	Native			
POSA20	Rosaceae	Potentilla saximontana	7	Native	FACU	FACU	FACU
POSU5	Rosaceae	Potentilla subjuga	8	Native			
POSU6	Rosaceae	Potentilla subviscosa	Not Assigned	Native			
POSUP	Rosaceae	Potentilla supina ssp. paradoxa	1	Native	FACW	FACW	FACW
POUN2	Rosaceae	Potentilla uniflora	8	Native			
PREX	Asteraceae	Prenanthella exigua	Not Assigned	Native			
PRRA	Asteraceae	Prenanthes racemosa	8	Native	FAC	FACU	FACU
PRAN	Primulaceae	Primula angustifolia	7	Native	FACU	FAC	FACU
PREG	Primulaceae	Primula egaliksensis	10	Native	OBL	FACW	OBL
PRIN	Primulaceae	Primula incana	9	Native	OBL	FACW	OBL
PRPA	Primulaceae	Primula parryi	8	Native	FAC	FAC	FAC
PRCI	Asteraceae	Prionopsis ciliata	2	Native	FACU	UPL	FACU

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PRLO	Pedaliaceae	Proboscidea louisianica	1	Native	FACU	FACU	FACU
PRTR4	Liliaceae	Prosartes trachycarpa	8	Native	FACU	UPL	FACU
PRGL2	Fabaceae	Prosopis glandulosa	8	Native	UPL	FACU	FACU
PRVU	Lamiaceae	Prunella vulgaris	4	Native	FACU	FAC	FACU
PRAM	Rosaceae	Prunus americana	6	Native	FACU	UPL	FACU
PRAN3	Rosaceae	Prunus angustifolia	5	Native			
PRAR3	Rosaceae	Prunus armeniaca	0	Non-native			
PRCE2	Rosaceae	Prunus cerasifera	0	Non-native			
PRDO	Rosaceae	Prunus domestica	0	Non-native			
PRGR	Rosaceae	Prunus gracilis	7	Native			
PRPA5	Rosaceae	Prunus padus	0	Non-native	UPL	UPL	
PRPE2	Rosaceae	Prunus pensylvanica	6	Native	UPL	FACU	FACU
PRPE3	Rosaceae	Prunus persica	0	Non-native			
PRPUB	Rosaceae	Prunus pumila var. besseyi	10	Native			
PRRI	Rosaceae	Prunus rivularis	6	Native			
PRVIM	Rosaceae	Prunus virginiana var. melanocarpa	4	Native	FACU	FACU	FAC
PSJU3	Poaceae	Psathyrostachys juncea	0	Non-native	FAC	FACU	UPL
PSCA11	Asteraceae	Pseudognaphalium canescens	4	Native	FACU	UPL	FACU
PSMA11	Asteraceae	Pseudognaphalium macounii	3	Native			
PSST7	Asteraceae	Pseudognaphalium stramineum	0	Non-native	FAC	FAC	FAC
PSSP6	Poaceae	Pseudoroegneria spicata	7	Native			
PSJA2	Caryophyllaceae	Pseudostellaria jamesiana	6	Native			
PSMEG	Pinaceae	Pseudotsuga menziesii var. glauca	5	Native	FACU	FACU	FACU
PSBA2	Asteraceae	Psilostrophe bakeri	4	Native			
PSLA3	Fabaceae	Psoralidium lanceolatum	5	Native			
PSTE5	Fabaceae	Psoralidium tenuiflorum	5	Native			
PSTHW	Fabaceae	Psorothamnus thompsoniae var. whitingii	Not Assigned	Native			
PTTR	Rutaceae	Ptelea trifoliata	7	Native	UPL	FAC	UPL
PTAQP2	Dennstaedtiaceae	Pteridium aquilinum var. pubescens	5	Native	FACU	FACU	FACU
PTAN2	Ericaceae	Pterospora andromedea	7	Native			
PTPO	Poaceae	Ptilagrostis porteri	10	Native			
PUDI	Poaceae	Puccinellia distans	0	Non-native	FACW	FACW	FACW
PUNU2	Poaceae	Puccinellia nuttalliana	6	Native	FACW	OBL	FACW
PUPA	Poaceae	Puccinellia parishii	7	Native	OBL		OBL
PUST	Rosaceae	Purshia stansburiana	6	Native			
PUTR2	Rosaceae	Purshia tridentata	6	Native			
PYAS	Ericaceae	Pyrola asarifolia	8	Native	FACU	FACU	FAC
PYCH	Ericaceae	Pyrola chlorantha	8	Native	FACU	FACU	FAC
PYMI	Ericaceae	Pyrola minor	8	Native	FACU	FACU	FACU
PYPI2	Ericaceae	Pyrola picta	8	Native			
PYCLC	Asteraceae	Pyrrocoma clementis var. clementis	6	Native			
PYCRC	Asteraceae	Pyrrocoma crocea var. crocea	5	Native			
PYLAL	Asteraceae	Pyrrocoma lanceolata var. lanceolata	8	Native	FAC	FACU	FAC
PYUNU	Asteraceae	Pyrrocoma uniflora var. uniflora	5	Native	FACW	FAC	FACW
QUAJ	Fagaceae	Quercus ajoensis	7	Native			
QUGA	Fagaceae	Quercus gambelii	5	Native			
QUGR3	Fagaceae	Quercus grisea	7	Native			
QUTU2	Fagaceae	Quercus turbinella	6	Native			
QULO2	Solanaceae	Quincula lobata	3	Native	FACU	UPL	FACU
RAAB	Ranunculaceae	Ranunculus abortivus	5	Native	FACW	FAC	FACW
RAAC2	Ranunculaceae	Ranunculus acriformis	6	Native	FACW	FACW	FACW
RAAC3	Ranunculaceae	Ranunculus acris	0	Non-native	FAC	FACW	FACW
RAAD	Ranunculaceae	Ranunculus adoneus	8	Native	FACW	FACW	FACW
RAALM	Ranunculaceae	Ranunculus alismifolius var. montanus	6	Native	FACW	OBL	FACW
RAAQD	Ranunculaceae	Ranunculus aquatilis var. diffusus	3	Native	OBL	OBL	OBL
RACA4	Ranunculaceae	Ranunculus cardiophyllus	8	Native	FACW	FACW	FACW
RACY	Ranunculaceae	Ranunculus cymbalaria	4	Native	OBL	OBL	OBL
RAESE2	Ranunculaceae	Ranunculus eschscholtzii var. eschscholtzii	7	Native	FACW	FACW	FAC
RAFLO	Ranunculaceae	Ranunculus flammula var. ovalis	5	Native	FACW	FACW	OBL
RAGE	Ranunculaceae	Ranunculus gelidus	9	Native	FAC		FAC
RAGLE	Ranunculaceae	Ranunculus glaberrimus var. ellipticus	5	Native	FACU	FAC	FAC

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RAGM	Ranunculaceae	Ranunculus gmelinii	6	Native	FACW	FACW	FACW
RAHY2	Ranunculaceae	Ranunculus hyperboreus	8	Native	OBL	OBL	OBL
RAINI2	Ranunculaceae	Ranunculus inamoenus var. inamoenus	7	Native	FACW	FACW	FACW
RAJO	Ranunculaceae	Ranunculus jovis	8	Native	FAC	FACU	FAC
RAMA	Ranunculaceae	Ranunculus macauleyi	10	Native	FACW	FACW	FACW
RAMA2	Ranunculaceae	Ranunculus macounii	7	Native	OBL	OBL	OBL
RAPEA	Ranunculaceae	Ranunculus pedatifidus var. affinis	7	Native	FAC	OBL	FAC
RAPE2	Ranunculaceae	Ranunculus pensylvanicus	4	Native	FACW	FACW	FACW
RAPY	Ranunculaceae	Ranunculus pygmaeus	9	Native	FAC	FACW	FACW
RARA	Ranunculaceae	Ranunculus ranunculinus	7	Native	FACU	FAC	FACU
RARE3	Ranunculaceae	Ranunculus repens	0	Non-native	FAC	FACW	FAC
RASCM	Ranunculaceae	Ranunculus sceleratus var. multifidus	1	Native	OBL	OBL	OBL
RATE	Ranunculaceae	Ranunculus testiculatus	0	Non-native			
RAUN	Ranunculaceae	Ranunculus uncinatus	6	Native	FAC	FACW	FAC
RARA2	Brassicaceae	Raphanus raphanistrum	0	Non-native			
RASA2	Brassicaceae	Raphanus sativus	0	Non-native			
RACO3	Asteraceae	Ratibida columnifera	4	Native			
RATA	Asteraceae	Ratibida tagetes	4	Native			
RAAN2	Asteraceae	Rayjacksonia annua	3	Native			
RELU	Resedaceae	Reseda lutea	0	Non-native			
RELU2	Resedaceae	Reseda luteola	0	Non-native			
REAR	Euphorbiaceae	Reverchonia arenaria	10	Native			
RHCA3	Rhamnaceae	Rhamnus cathartica	0	Non-native	UPL	FACU	FAC
RHFR	Rhamnaceae	Rhamnus frangula	0	Non-native	FAC	FAC	FAC
RHSM	Rhamnaceae	Rhamnus smithii	7	Native			
RHRH2	Polygonaceae	Rheum rhabarbarum	0	Non-native			
RHMIM	Orobanchaceae	Rhinanthus minor ssp. minor	6	Native	FACU	FACU	FACU
RHIN11	Crassulaceae	Rhodiola integrifolia	8	Native	FACU	FACU	FACU
RHRH4	Crassulaceae	Rhodiola rhodantha	8	Native	FACW	FAC	FACW
RHAL2	Ericaceae	Rhododendron albiflorum	8	Native	FACU	FACW	FACU
RHGL	Anacardiaceae	Rhus glabra	6	Native			
RHTR	Anacardiaceae	Rhus trilobata	5	Native	UPL	UPL	FACU
RHTRP	Anacardiaceae	Rhus trilobata var. pilosissima	5	Native	UPL	UPL	FACU
RHTRS	Anacardiaceae	Rhus trilobata var. simplicifolia	5	Native	UPL	UPL	FACU
RHTRT	Anacardiaceae	Rhus trilobata var. trilobata	5	Native	UPL	UPL	FACU
RHTY	Anacardiaceae	Rhus typhina	0	Non-native			
RHAL3	Cyperaceae	Rhynchospora alba	10	Native	OBL	OBL	OBL
RIAM2	Grossulariaceae	Ribes americanum	7	Native	FAC	FACW	FACW
RIAU	Grossulariaceae	Ribes aureum	6	Native	FAC	FACU	FAC
RIAUA	Grossulariaceae	Ribes aureum var. aureum	6	Native	FAC	FACU	FAC
RIAUV	Grossulariaceae	Ribes aureum var. villosum	Not Assigned	Native	FAC	FACU	FAC
RICE	Grossulariaceae	Ribes cereum	6	Native			
RICO2	Grossulariaceae	Ribes coloradense	7	Native	FACU	FACU	FACU
RIIN2	Grossulariaceae	Ribes inerme	5	Native	FAC	FACW	FAC
RILA	Grossulariaceae	Ribes lacustre	7	Native	FAC	FACW	FACW
RILE	Grossulariaceae	Ribes leptanthum	7	Native			
RIMO2	Grossulariaceae	Ribes montigenum	6	Native			
RINI2	Grossulariaceae	Ribes niveum	7	Native			
RIRU80	Grossulariaceae	Ribes rubrum	0	Non-native			
RIVI3	Grossulariaceae	Ribes viscosissimum	7	Native	FAC	FACU	FAC
RIWO	Grossulariaceae	Ribes wolfii	7	Native	FAC	FAC	FAC
ROHI	Fabaceae	Robinia hispida	0	Non-native			
RONE	Fabaceae	Robinia neomexicana	4	Native			
ROPS	Fabaceae	Robinia pseudoacacia	0	Non-native	FACU	UPL	FACU
ROAL	Brassicaceae	Rorippa alpina	4	Native			
ROCU2	Brassicaceae	Rorippa curvipes	5	Native	FACW	OBL	FACW
ROCUT	Brassicaceae	Rorippa curvipes var. truncata	5	Native	FACW	OBL	FACW
ROPA2	Brassicaceae	Rorippa palustris	4	Native	OBL	OBL	OBL
ROSI2	Brassicaceae	Rorippa sinuata	4	Native	FAC	FACW	FACW
ROSP4	Brassicaceae	Rorippa sphaerocarpa	4	Native	FAC	OBL	FACW
ROSY	Brassicaceae	Rorippa sylvestris	0	Non-native	OBL	FACW	OBL

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ROTE	Brassicaceae	Rorippa tenerrima	4	Native	FAC	FAC	FAC
ROHA4	Rosaceae	Rosa ×harisonii	0	Non-native			
ROACS	Rosaceae	Rosa acicularis ssp. sayi	5	Native	FACU	FACU	FACU
ROAR3	Rosaceae	Rosa arkansana	5	Native	FACU	FACU	FACU
ROCA3	Rosaceae	Rosa canina	0	Non-native			
ROEG	Rosaceae	Rosa eglanteria	0	Non-native	UPL	UPL	UPL
ROWO	Rosaceae	Rosa woodsii	5	Native	FACU	FACU	FACU
RORA	Lythraceae	Rotala ramosior	6	Native	OBL	OBL	OBL
RUAC	Rosaceae	Rubus acaulis	9	Native	FAC	FACW	FAC
RUAR9	Rosaceae	Rubus armeniacus	0	Non-native	FAC	FAC	FAC
RUDE	Rosaceae	Rubus deliciosus	6	Native			
RUIDS3	Rosaceae	Rubus idaeus var. strigosus	5	Native	FACU	FACU	FACU
RULA	Rosaceae	Rubus laciniatus	0	Non-native	FACU	FACU	FACU
RUNE	Rosaceae	Rubus neomexicanus	7	Native			
RUOC	Rosaceae	Rubus occidentalis	0	Non-native			
RUPAP2	Rosaceae	Rubus parviflorus var. parviflorus	7	Native	FACU	FACU	FAC
RUPUP2	Rosaceae	Rubus pubescens var. pubescens	7	Native	FAC	FACW	FAC
RUHIP	Asteraceae	Rudbeckia hirta var. pulcherrima	6	Native	FACU	FACU	FACU
RULAA	Asteraceae	Rudbeckia laciniata var. ampla	6	Native	FAC	FAC	FAC
RUMO9	Asteraceae	Rudbeckia montana	7	Native	FACW		FACW
RUTRT	Asteraceae	Rudbeckia triloba var. triloba	0	Non-native	FACU	FACU	FACU
RUAC3	Polygonaceae	Rumex acetosella	0	Non-native	FACU	FAC	FACU
RUAL4	Polygonaceae	Rumex altissimus	1	Native	FAC	FAC	FACW
RUCR	Polygonaceae	Rumex crispus	0	Non-native	FAC	FAC	FAC
RUDE2	Polygonaceae	Rumex densiflorus	5	Native	FACW	FACW	FACW
RUFU3	Polygonaceae	Rumex fueginus	4	Native	FACW	FACW	FACW
RUHY	Polygonaceae	Rumex hymenosepalus	4	Native			
RUOB	Polygonaceae	Rumex obtusifolius	0	Non-native	FAC	FACW	FAC
RUOC3	Polygonaceae	Rumex occidentalis	5	Native	FACW	OBL	FACW
RUPA6	Polygonaceae	Rumex paucifolius	3	Native	FAC	FAC	FAC
RUST4	Polygonaceae	Rumex stenophyllus	0	Non-native	FACW	FACW	FACW
RUTR3	Polygonaceae	Rumex triangulivalvis	4	Native	FAC	FACW	FACW
RUUT	Polygonaceae	Rumex utahensis	4	Native	FACW	FACW	FACW
RUVE2	Polygonaceae	Rumex venosus	4	Native	FACU	FAC	UPL
RUCI2	Ruppiaceae	Ruppia cirrhosa	5	Native	OBL	OBL	OBL
SACA10	Caryophyllaceae	Sagina caespitosa	10	Native	FACW	FACW	FACW
SAPR	Caryophyllaceae	Sagina procumbens	0	Non-native	FAC	FACW	FAC
SASA	Caryophyllaceae	Sagina saginoides	7	Native	FACW	FACW	FACW
SABR8	Alismataceae	Sagittaria brevirostra	7	Native	OBL	OBL	OBL
SACAC	Alismataceae	Sagittaria calycina var. calycina	5	Native	OBL	OBL	OBL
SACU	Alismataceae	Sagittaria cuneata	6	Native	OBL	OBL	OBL
SAGRG	Alismataceae	Sagittaria graminea var. graminea	Not Assigned	Native	OBL	OBL	OBL
SALA2	Alismataceae	Sagittaria latifolia	5	Native	OBL	OBL	OBL
SARU	Chenopodiaceae	Salicornia rubra	4	Native	OBL	OBL	OBL
SAFR	Salicaceae	Salix ×fragilis	0	Non-native	FAC	FAC	FAC
SAAL2	Salicaceae	Salix alba	0	Non-native	FACW	FACW	FACW
SAAM2	Salicaceae	Salix amygdaloides	5	Native	FACW	FACW	FACW
SAAR14	Salicaceae	Salix arizonica	7	Native	FACW	OBL	OBL
SABA	Salicaceae	Salix babylonica	0	Non-native	FACW		FACW
SABE2	Salicaceae	Salix bebbiana	6	Native	FACW	FACW	FACW
SABO2	Salicaceae	Salix boothii	7	Native	FACW		FACW
SABRB7	Salicaceae	Salix brachycarpa var. brachycarpa	8	Native	FACW		FACW
SACA37	Salicaceae	Salix calcicola	10	Native			
SACA4	Salicaceae	Salix candida	9	Native	OBL	OBL	OBL
SACA6	Salicaceae	Salix cascadensis	8	Native	FACU		FACU
SADI	Salicaceae	Salix discolor	7	Native	FACW	FACW	FACW
SADR	Salicaceae	Salix drummondiana	6	Native	FACW	FACW	FACW
SAER	Salicaceae	Salix eriocephala	6	Native		FACW	
SAERF	Salicaceae	Salix eriocephala var. famelica	7	Native	FACW	FACW	FACW
SAERL	Salicaceae	Salix eriocephala var. ligulifolia	7	Native	FAC	FACW	FACW
SAERW	Salicaceae	Salix eriocephala var. watsonii	6	Native	OBL	FACW	OBL

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SAEX	Salicaceae	Salix exigua	3	Native	FACW	FACW	FACW
ZZ_SAEXE50	Salicaceae	Salix exigua ssp. exigua	3	Native	FACW	FACW	FACW
SAEXI	Salicaceae	Salix exigua ssp. interior	3	Native	FACW	FACW	FACW
SAGE2	Salicaceae	Salix geyeriana	6	Native	FACW	OBL	OBL
SAGL	Salicaceae	Salix glauca	8	Native	FACW	FACW	FACW
SAGO	Salicaceae	Salix gooddingii	8	Native	FACW	FACW	FACW
SAIR	Salicaceae	Salix irrorata	7	Native	FACW	FACW	FACW
SALA5	Salicaceae	Salix lasiandra	6	Native	FACW	FACW	FACW
SALAC	Salicaceae	Salix lasiandra var. caudata	7	Native	FACW	FACW	FACW
ZZ_SALAL50	Salicaceae	Salix lasiandra var. lasiandra	6	Native	FACW	FACW	FACW
SAMA13	Salicaceae	Salix matsudana	0	Non-native			
SAME2	Salicaceae	Salix melanopsis	7	Native	OBL	FACW	OBL
SAMO2	Salicaceae	Salix monticola	6	Native	OBL	OBL	OBL
SAMY	Salicaceae	Salix myrtillifolia	10	Native	FACW		FACW
SANI	Salicaceae	Salix nigra	7	Native		FACW	OBL
SAPE5	Salicaceae	Salix petiolaris	7	Native	OBL	OBL	
SAPE18	Salicaceae	Salix petrophila	8	Native			
SAPL2	Salicaceae	Salix planifolia	7	Native	OBL	OBL	OBL
SAPU2	Salicaceae	Salix purpurea	0	Non-native	OBL	OBL	FACW
SAREN2	Salicaceae	Salix reticulata var. nana	9	Native	FAC		FAC
SASC	Salicaceae	Salix scouleriana	6	Native	FAC	FACU	FAC
SASE2	Salicaceae	Salix serissima	9	Native	OBL	OBL	OBL
SAWO	Salicaceae	Salix wolfii var. wolfii	8	Native	OBL	FACW	OBL
SACO8	Chenopodiaceae	Salsola collina	0	Non-native			
SAPA8	Chenopodiaceae	Salsola paulsenii	0	Non-native			
SATR12	Chenopodiaceae	Salsola tragus	0	Non-native	FACU	FACU	FACU
SASY	Lamiaceae	Salvia ×sylvestris	0	Non-native			
SAAE	Lamiaceae	Salvia aethiopis	0	Non-native			
SAAZG	Lamiaceae	Salvia azurea var. grandiflora	0	Non-native			
SAPR2	Lamiaceae	Salvia pratensis	0	Non-native			
SARE3	Lamiaceae	Salvia reflexa	2	Native			
SASC2	Lamiaceae	Salvia sclarea	0	Non-native			
SACA52	Adoxaceae	Sambucus caerulea	6	Native	FAC	FAC	FACU
SACA12	Adoxaceae	Sambucus canadensis	7	Native	FAC	FAC	FACU
SARA2	Adoxaceae	Sambucus racemosa	6	Native	FACU	FACU	FACU
SARAM4	Adoxaceae	Sambucus racemosa var. melanocarpa	6	Native	FACU	FACU	FACU
SARAM5	Adoxaceae	Sambucus racemosa var. microbotrys	6	Native	FACU	FACU	FACU
SAMI3	Rosaceae	Sanguisorba minor	0	Non-native	UPL	FACU	FACU
SAMA2	Apiaceae	Sanicula marilandica	8	Native	FAC	FACU	FAC
SASAD	Sapindaceae	Sapindus saponaria var. drummondii	6	Native	FACU	FACU	FACU
SAOC80	Caryophyllaceae	Saponaria ocymoides	0	Non-native			
SAOF4	Caryophyllaceae	Saponaria officinalis	0	Non-native	UPL	FACU	FACU
SAVE4	Chenopodiaceae	Sarcobatus vermiculatus	4	Native	FACU	FAC	FACU
SACR3	Apocynaceae	Sarcostemma crispum	7	Native			
SAWE	Asteraceae	Saussurea weberi	10	Native			
SAAD	Saxifragaceae	Saxifraga adscendens	10	Native	FACW	FACW	FACW
SABRA2	Saxifragaceae	Saxifraga bronchialis ssp. austromontana	8	Native	FACU	FACU	FACU
SACAM2	Saxifragaceae	Saxifraga caespitosa ssp. monticola	10	Native	FAC	FACU	FAC
SACE2	Saxifragaceae	Saxifraga cernua	9	Native	FACW	FACU	FACW
SACE4	Saxifragaceae	Saxifraga cespitosa	10	Native	FAC	FACU	FAC
SACH4	Saxifragaceae	Saxifraga chrysantha	8	Native	FACU	FACU	FACU
SAFLC	Saxifragaceae	Saxifraga flagellaris ssp. crandallii	9	Native			
SAHI3	Saxifragaceae	Saxifraga hirculus	9	Native	OBL	OBL	OBL
SARI8	Saxifragaceae	Saxifraga rivularis	9	Native	FACW	FACW	FACW
SCMU11	Ophioglossaceae	Sceptridium multifidum	7	Native	FAC	FAC	FAC
SCAR7	Poaceae	Schedonorus arundinaceus	0	Non-native	FAC	FACU	FACU
SCPR4	Poaceae	Schedonorus pratensis	0	Non-native	FACU	FACU	FACU
SCPU	Poaceae	Schizachne purpurascens	8	Native	UPL	FACU	FACU
SCSCS	Poaceae	Schizachyrium scoparium var. scoparium	5	Native	FACU	FACU	FACU
SCMU6	Asteraceae	Schkuhria multiflora	6	Native			
SCAC3	Cyperaceae	Schoenoplectus acutus	3	Native	OBL	OBL	OBL

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SCAM6	Cyperaceae	Schoenoplectus americanus	4	Native	OBL	OBL	OBL
SCPU10	Cyperaceae	Schoenoplectus pungens	4	Native	OBL	OBL	OBL
SCSA8	Cyperaceae	Schoenoplectus saximontanus	8	Native	OBL	OBL	OBL
SCTA2	Cyperaceae	Schoenoplectus tabernaemontani	3	Native	OBL	OBL	OBL
SCMI2	Cyperaceae	Scirpus microcarpus	5	Native	OBL	OBL	OBL
SCPA8	Cyperaceae	Scirpus pallidus	5	Native	OBL	OBL	OBL
SCPE4	Cyperaceae	Scirpus pendulus	0	Non-native	OBL	OBL	OBL
SCGL3	Cactaceae	Sclerocactus glaucus	8	Native			
SCME4	Cactaceae	Sclerocactus mesae-verdae	9	Native			
SCPA9	Cactaceae	Sclerocactus parviflorus	5	Native			
SCDU2	Poaceae	Sclerochloa dura	0	Non-native			
SCBR2	Poaceae	Scleropogon brevifolius	7	Native			
SCLA6	Asteraceae	Scorzonera laciniata	0	Non-native			
SCLA	Scrophulariaceae	Scrophularia lanceolata	5	Native	FAC	FAC	FAC
SCBR3	Lamiaceae	Scutellaria brittonii	6	Native			
SCGA	Lamiaceae	Scutellaria galericulata	7	Native	OBL	OBL	OBL
SCLA2	Lamiaceae	Scutellaria lateriflora	10	Native	FACW	FACW	FACW
SECE	Poaceae	Secale cereale	0	Non-native			
SEVA4	Fabaceae	Securigera varia	0	Non-native			
SEAC	Crassulaceae	Sedum acre	0	Non-native			
SELA	Crassulaceae	Sedum lanceolatum	5	Native			
SESP2	Crassulaceae	Sedum spurium	0	Non-native			
SEDE2	Selaginellaceae	Selaginella densa	6	Native			
SEMUM	Selaginellaceae	Selaginella mutica var. mutica	7	Native			
SESE	Selaginellaceae	Selaginella selaginoides	8	Native	FACW		FACW
SEUN	Selaginellaceae	Selaginella underwoodii	7	Native			
SEWE3	Selaginellaceae	Selaginella weatherbiana	7	Native			
SEAM	Asteraceae	Senecio amplectens	8	Native	FACU	FACW	FACW
SEAMA	Asteraceae	Senecio amplectens var. amplectens	8	Native	FACU	FACW	FACW
SEAMH	Asteraceae	Senecio amplectens var. holmii	9	Native	FACU	FACW	FACW
SEAT	Asteraceae	Senecio atratus	5	Native			
SEBIH	Asteraceae	Senecio bigelovii var. hallii	7	Native			
SECR	Asteraceae	Senecio crassulus	7	Native	FACU	FACU	FACU
SEERK	Asteraceae	Senecio eremophilus var. kingii	4	Native	FACU	FAC	FACU
SEFLF	Asteraceae	Senecio flaccidus var. flaccidus	7	Native			
SEFRB	Asteraceae	Senecio fremontii var. blitoides	9	Native			
SEFRI	Asteraceae	Senecio fremontii var. inexpectatus	Not Assigned	Native			
SEHY2	Asteraceae	Senecio hydrophilus	6	Native	OBL	OBL	OBL
SEIN2	Asteraceae	Senecio integerrimus	5	Native	FACU	FAC	FACU
SEMU2	Asteraceae	Senecio multicapitatus	6	Native			
SEPU3	Asteraceae	Senecio pudicus	7	Native			
SERA	Asteraceae	Senecio rapifolius	8	Native			
SERI2	Asteraceae	Senecio riddellii	5	Native			
SESEA	Asteraceae	Senecio serra var. admirabilis	7	Native	FACU	FACW	FACU
SESO	Asteraceae	Senecio soldanella	9	Native			
SESP3	Asteraceae	Senecio spartioides	5	Native			
SETA	Asteraceae	Senecio taraxacoides	9	Native			
SETR	Asteraceae	Senecio triangularis	7	Native	FACW	OBL	FACW
SEVU	Asteraceae	Senecio vulgaris	0	Non-native	FACU	FACU	FACU
SEWO	Asteraceae	Senecio wootonii	7	Native			
SEVE2	Aizoaceae	Sesuvium verrucosum	6	Native	FACW	FACW	FACW
SEIT	Poaceae	Setaria italica	0	Non-native	FAC	FACU	FACU
SELE6	Poaceae	Setaria leucopila	3	Native			
SEPUP2	Poaceae	Setaria pumila ssp. pumila	0	Non-native	FAC	FACU	FAC
SEVE3	Poaceae	Setaria verticillata	0	Non-native	FACU	FAC	FACU
SEVIV	Poaceae	Setaria viridis var. viridis	0	Non-native			
SHAR	Elaeagnaceae	Shepherdia argentea	7	Native	FACU	UPL	FACU
SHCA	Elaeagnaceae	Shepherdia canadensis	7	Native	UPL	FACU	UPL
SHRO2	Asteraceae	Shinnersoseris rostrata	7	Native			
SIPR	Rosaceae	Sibbaldia procumbens	6	Native	FACU	FACU	FACU
SICA3	Malvaceae	Sidalcea candida	5	Native	FACW	FAC	FACW

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SINE3	Malvaceae	Sidalcea neomexicana	5	Native	FACW	FACW	FACW
SIAC	Caryophyllaceae	Silene acaulis	7	Native	UPL	FAC	UPL
SIAN2	Caryophyllaceae	Silene antirrhina	5	Native			
SICS	Caryophyllaceae	Silene csereii	0	Non-native			
SIDI2	Caryophyllaceae	Silene dichotoma ssp. dichotoma	0	Non-native			
SIDR	Caryophyllaceae	Silene drummondii	6	Native			
SIDRD	Caryophyllaceae	Silene drummondii var. drummondii	6	Native			
SIDRS	Caryophyllaceae	Silene drummondii var. striata	6	Native			
SIHI9	Caryophyllaceae	Silene hitchguirei	8	Native	UPL		UPL
SIKI	Caryophyllaceae	Silene kingii	6	Native			
SILA21	Caryophyllaceae	Silene latifolia	0	Non-native			
SIME	Caryophyllaceae	Silene menziesii	7	Native	FAC	UPL	FAC
SINO	Caryophyllaceae	Silene noctiflora	0	Non-native			
SISC7	Caryophyllaceae	Silene scouleri	5	Native			
SIURU	Caryophyllaceae	Silene uralensis ssp. uralensis	10	Native	FAC	FACW	FACW
SIVU	Caryophyllaceae	Silene vulgaris	0	Non-native			
SIINL	Asteraceae	Silphium integrifolium var. laeve	7	Native	FAC	FAC	
SILA3	Asteraceae	Silphium laciniatum	Not Assigned	Native			
SIAL5	Brassicaceae	Sinapis alba	0	Non-native	FAC	FAC	FAC
SIAR4	Brassicaceae	Sinapis arvensis	0	Non-native			
SIAL2	Brassicaceae	Sisymbrium altissimum	0	Non-native	FACU	FACU	FACU
SILI5	Brassicaceae	Sisymbrium linifolium	6	Native			
SILO3	Brassicaceae	Sisymbrium loeselii	0	Non-native			
SIOF	Brassicaceae	Sisymbrium officinale	0	Non-native			
SIAN3	Iridaceae	Sisyrinchium angustifolium	7	Native		FACW	
SIDE4	Iridaceae	Sisyrinchium demissum	7	Native	OBL	OBL	OBL
SIIDO	Iridaceae	Sisyrinchium idahoense var. occidentale	7	Native	FACW	OBL	FACW
SIMOM	Iridaceae	Sisyrinchium montanum var. montanum	6	Native	FAC	FAC	FACW
SIPA11	Iridaceae	Sisyrinchium pallidum	7	Native	FACU		
SISU2	Apiaceae	Sium suave	6	Native	OBL	OBL	OBL
SMCAA	Brassicaceae	Smelowskia americana	9	Native			
SMLA3	Smilacaceae	Smilax lasioneura	7	Native			
SOCA3	Solanaceae	Solanum carolinense	0	Non-native	UPL	UPL	FACU
SODU	Solanaceae	Solanum dulcamara	0	Non-native	FAC	FACU	FAC
SOEL	Solanaceae	Solanum elaeagnifolium	1	Native			
SOHE	Solanaceae	Solanum heterodoxum	1	Native			
SOJA	Solanaceae	Solanum jamesii	3	Native			
SONI4	Solanaceae	Solanum nigrum	2	Native	FACU	FACU	FACU
SOPH	Solanaceae	Solanum physalifolium	0	Non-native			
SORO	Solanaceae	Solanum rostratum	2	Native			
SOTR	Solanaceae	Solanum triflorum	2	Native			
SOCA6	Asteraceae	Solidago canadensis	5	Native	FACU	FACU	FACU
ZZ_SOCA50	Asteraceae	Solidago capulinensis	Not Assigned	Native			
SOGI	Asteraceae	Solidago gigantea	6	Native	FACW	FAC	FACW
SOMI2	Asteraceae	Solidago missouriensis	5	Native			
SOMO	Asteraceae	Solidago mollis	6	Native			
SOMUS	Asteraceae	Solidago multiradiata var. scopulorum	5	Native	FACU	FACU	FACU
SONA	Asteraceae	Solidago nana	6	Native			
SONED2	Asteraceae	Solidago nemoralis var. decemflora	5	Native			
SOPT4	Asteraceae	Solidago ptarmicoides	8	Native			
SORIH	Asteraceae	Solidago rigida var. humilis	4	Native	FACU	FACU	FACU
SOSIS	Asteraceae	Solidago simplex var. simplex	6	Native	FACU	FACU	FACU
SOSPP	Asteraceae	Solidago speciosa var. pallida	8	Native			
SOVE6	Asteraceae	Solidago velutina ssp. sparsiflora	6	Native			
SOWRA	Asteraceae	Solidago wrightii var. adenophora	7	Native			
SOAR2	Asteraceae	Sonchus arvensis	0	Non-native	FACU	FAC	FACU
SOAS	Asteraceae	Sonchus asper	0	Non-native	FACU	FAC	FAC
SOOL	Asteraceae	Sonchus oleraceus	0	Non-native	UPL	UPL	UPL
SOUL5	Asteraceae	Sonchus uliginosus	0	Non-native	FACU	FAC	FACU
SONU	Fabaceae	Sophora nuttalliana	5	Native			
SOAU	Rosaceae	Sorbus aucuparia	0	Non-native			

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SOSCS	Rosaceae	Sorbus scopulina var. scopulina	7	Native	FACU	FACU	FACU
SONU2	Poaceae	Sorghastrum nutans	10	Native	FACU	FACU	FACU
SOBI2	Poaceae	Sorghum bicolor	0	Non-native	FACU	FACU	FACU
SOHA	Poaceae	Sorghum halepense	0	Non-native	FACU	FACU	FACU
SPAN2	Typhaceae	Sparganium angustifolium	7	Native	OBL	OBL	OBL
SPEM2	Typhaceae	Sparganium emersum	7	Native	OBL	OBL	OBL
SPEU	Typhaceae	Sparganium eurycarpum	6	Native	OBL	OBL	OBL
SPNA	Typhaceae	Sparganium natans	8	Native	OBL	OBL	OBL
SPGR	Poaceae	Spartina gracilis	7	Native	FACW	FACW	FACW
SPPE	Poaceae	Spartina pectinata	7	Native	OBL	FACW	OBL
SPAR	Caryophyllaceae	Spergula arvensis	0	Non-native			
SPME	Caryophyllaceae	Spergularia media	0	Non-native	FAC	FACU	FACW
SPRU	Caryophyllaceae	Spergularia rubra	0	Non-native	FAC	FACU	FAC
SPSA5	Caryophyllaceae	Spergularia salina	4	Native	OBL	OBL	OBL
SPAN3	Malvaceae	Sphaeralcea angustifolia	5	Native			
SPCO	Malvaceae	Sphaeralcea coccinea	4	Native			
SPFE	Malvaceae	Sphaeralcea fendleri	5	Native			
SPLE	Malvaceae	Sphaeralcea leptophylla	5	Native			
SPMU2	Malvaceae	Sphaeralcea munroana	Not Assigned	Native			
SPPA2	Malvaceae	Sphaeralcea parvifolia	5	Native			
SPAR2	Asteraceae	Sphaeromeria argentea	Not Assigned	Native			
SPCA8	Asteraceae	Sphaeromeria capitata	9	Native			
SPSA3	Fabaceae	Sphaerophysa salsula	0	Non-native	UPL	FACU	FACU
SPIN3	Poaceae	Sphenopholis intermedia	4	Native	FAC	FAC	FAC
SPOB	Poaceae	Sphenopholis obtusata	5	Native	FAC	FAC	FAC
SPDI6	Orchidaceae	Spiranthes diluvialis	7	Native	FACW	FACW	FACW
SPRO	Orchidaceae	Spiranthes romanzoffiana	7	Native	FACW	OBL	FACW
SPPO	Araceae	Spirodela polyrrhiza	6	Native	OBL	OBL	OBL
SPAI	Poaceae	Sporobolus airoides	5	Native	FAC	FAC	FAC
SPCO16	Poaceae	Sporobolus compositus	4	Native			
SPCO4	Poaceae	Sporobolus contractus	4	Native			
SPCR	Poaceae	Sporobolus cryptandrus	2	Native	FACU	FACU	FACU
SPFL2	Poaceae	Sporobolus flexuosus	6	Native	UPL	FAC	FACU
SPGI	Poaceae	Sporobolus giganteus	6	Native	UPL	UPL	FACU
SPHE	Poaceae	Sporobolus heterolepis	9	Native	FACU	UPL	
SPNE	Poaceae	Sporobolus nealleyi	9	Native			
SPNE2	Poaceae	Sporobolus neglectus	3	Native	UPL	UPL	UPL
SPPY2	Poaceae	Sporobolus pyramidatus	Not Assigned	Native	FACU	FAC	FACU
SPTE5	Poaceae	Sporobolus texanus	7	Native	FAC	FAC	FACW
SPVA	Poaceae	Sporobolus vaginiflorus	Not Assigned	Native			
STPAP6	Lamiaceae	Stachys palustris var. pilosa	6	Native	FACW	FACW	FACW
STAL2	Brassicaceae	Stanleya albescens	4	Native			
STPI	Brassicaceae	Stanleya pinnata	5	Native			
STPII	Brassicaceae	Stanleya pinnata var. integrifolia	5	Native			
STPIP	Brassicaceae	Stanleya pinnata var. pinnata	5	Native			
STVI	Brassicaceae	Stanleya viridiflora	Not Assigned	Native			
STBOB	Caryophyllaceae	Stellaria borealis ssp. borealis	9	Native	FACW	FACW	FACW
STCA	Caryophyllaceae	Stellaria calycantha	8	Native	FACW	FACW	FACW
STCR	Caryophyllaceae	Stellaria crassifolia	7	Native	FACW	OBL	FACW
STGR	Caryophyllaceae	Stellaria graminea	0	Non-native	FACU	FACU	FAC
STIR	Caryophyllaceae	Stellaria irrigua	9	Native			
STLO	Caryophyllaceae	Stellaria longifolia	7	Native	FACW	FACW	FACW
STLO2	Caryophyllaceae	Stellaria longipes	8	Native	FACW	FACW	FACW
STME2	Caryophyllaceae	Stellaria media	0	Non-native	FACU	FACU	FACU
STOB	Caryophyllaceae	Stellaria obtusa	9	Native	FACW	FACW	FACW
STPA13	Caryophyllaceae	Stellaria pallida	0	Non-native			
STUM	Caryophyllaceae	Stellaria umbellata	8	Native	FACW	FACW	FACW
STFL2	Polygonaceae	Stenogonum flexum	7	Native			
STSA3	Polygonaceae	Stenogonum salsuginosum	1	Native			
STAC	Asteraceae	Stenotus acaulis	6	Native			
STARA	Asteraceae	Stenotus armerioides var. armerioides	7	Native			

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STEXE	Asteraceae	Stephanomeria exigua ssp. exigua	5	Native			
STPA4	Asteraceae	Stephanomeria pauciflora	5	Native			
STRU3	Asteraceae	Stephanomeria runcinata	5	Native			
STTE2	Asteraceae	Stephanomeria tenuifolia	5	Native			
STSY	Euphorbiaceae	Stillingia sylvatica	7	Native			
STLO4	Brassicaceae	Streptanthella longirostris	5	Native			
STCOC	Brassicaceae	Streptanthus cordatus var. cordatus	8	Native			
STAM2	Liliaceae	Streptopus amplexifolius	7	Native	FAC	FACW	FAC
MAAF	Brassicaceae	Strigosella africana	0	Non-native			
STLE6	Fabaceae	Strophostyles leiosperma	5	Native			
STFI6	Potamogetonaceae	Stuckenia filiformis	5	Native	OBL	OBL	OBL
STPE15	Potamogetonaceae	Stuckenia pectinata	3	Native	OBL	OBL	OBL
STVA8	Potamogetonaceae	Stuckenia vaginata	7	Native	OBL	OBL	OBL
SUCA2	Chenopodiaceae	Suaeda calceoliformis	3	Native	FACW	FACW	FACW
SUNI	Chenopodiaceae	Suaeda nigra	3	Native	OBL	OBL	OBL
SUAQA2	Brassicaceae	Subularia aquatica var. americana	10	Native	OBL	OBL	OBL
SUSU2	Chenopodiaceae	Suckleya suckleyana	4	Native	FACW	FACW	FACW
SUHAP	Saxifragaceae	Sullivantia hapemanii var. purpusii	10	Native	OBL	FACW	FACW
SWPE	Gentianaceae	Swertia perennis	8	Native	FACW	FAC	FACW
SYAL	Caprifoliaceae	Symphoricarpos albus	6	Native	FACU	UPL	FACU
SYLO	Caprifoliaceae	Symphoricarpos longiflorus	8	Native			
SYOC	Caprifoliaceae	Symphoricarpos occidentalis	3	Native	FAC	UPL	FAC
SYRO	Caprifoliaceae	Symphoricarpos rotundifolius	5	Native			
SYAM03	Asteraceae	Symphyotrichum ×amethystinum	Not Assigned	Native			
SYAS3	Asteraceae	Symphyotrichum ascendens	5	Native	FACU	FACU	FAC
SYBO2	Asteraceae	Symphyotrichum boreale	7	Native	OBL	OBL	OBL
SYCA3	Asteraceae	Symphyotrichum campestre	6	Native			
SYCI2	Asteraceae	Symphyotrichum ciliatum	7	Native	FACW	FACW	FACW
SYEA2	Asteraceae	Symphyotrichum eatonii	6	Native	FAC	FAC	FAC
SYERE	Asteraceae	Symphyotrichum ericoides	4	Native	FAC	FACU	FAC
SYFA	Asteraceae	Symphyotrichum falcatum	4	Native	FACU	FACU	FACU
SYFE	Asteraceae	Symphyotrichum fendleri	6	Native			
SYFO2	Asteraceae	Symphyotrichum foliaceum	5	Native	FACU	UPL	UPL
SYFOA	Asteraceae	Symphyotrichum foliaceum var. apricum	5	Native	FACU	UPL	UPL
SYFOC	Asteraceae	Symphyotrichum foliaceum var. canbyi	5	Native	FACU	UPL	UPL
SYFOP	Asteraceae	Symphyotrichum foliaceum var. parryi	5	Native	FACU	UPL	UPL
SYFR2	Asteraceae	Symphyotrichum frondosum	4	Native	FACW	FACW	FACW
SYLAG	Asteraceae	Symphyotrichum laeve var. geyeri	6	Native	FACU	FACU	FACU
SYLAH	Asteraceae	Symphyotrichum lanceolatum ssp. hesperium	5	Native	OBL	FACW	OBL
SYNO2	Asteraceae	Symphyotrichum novae-angliae	5	Native	FACW	FACW	FACW
SYOB	Asteraceae	Symphyotrichum oblongifolium	5	Native			
SYPO4	Asteraceae	Symphyotrichum porteri	6	Native	FACU	FACU	FACU
SYSP	Asteraceae	Symphyotrichum spathulatum	6	Native	FAC	FAC	FAC
SYOF	Boraginaceae	Symphytum officinale	0	Non-native			
SYVU	Oleaceae	Syringa vulgaris	0	Non-native			
TACH	Tamaricaceae	Tamarix chinensis	0	Non-native	FAC	FACW	FAC
TAPA4	Tamaricaceae	Tamarix parviflora	0	Non-native	FAC	FACW	FAC
TABA	Asteraceae	Tanacetum balsamita	0	Non-native			
TAPA6	Asteraceae	Tanacetum parthenium	0	Non-native			
TAVU	Asteraceae	Tanacetum vulgare	0	Non-native	FACU	FACU	FACU
TACE	Asteraceae	Taraxacum ceratophorum	9	Native	FACU	UPL	UPL
TAER2	Asteraceae	Taraxacum eriophorum	6	Native			
TALA2	Asteraceae	Taraxacum laevigatum	0	Non-native			
TAOF	Asteraceae	Taraxacum officinale	0	Non-native	FACU	FACU	FACU
TASC3	Asteraceae	Taraxacum scopulorum	7	Native			
TABR5	Onagraceae	Taraxia breviflora	Not Assigned	Native	FAC	FACU	FAC
TASU3	Onagraceae	Taraxia subacaulis	Not Assigned	Native	FACW	FACW	FACW
TEJA	Saxifragaceae	Telesonix jamesii	9	Native			
TECA2	Asteraceae	Tetradymia canescens	6	Native			
TENU2	Asteraceae	Tetradymia nuttallii	6	Native			
TESP2	Asteraceae	Tetradymia spinosa	6	Native			

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TEAC	Asteraceae	Tetraneuris acaulis	6	Native			
TEACA2	Asteraceae	Tetraneuris acaulis var. acaulis	6	Native			
TEACA	Asteraceae	Tetraneuris acaulis var. arizonica	6	Native			
TEACC	Asteraceae	Tetraneuris acaulis var. caespitosa	6	Native			
TEACE	Asteraceae	Tetraneuris acaulis var. epunctata	6	Native			
TEIV	Asteraceae	Tetraneuris ivesiana	6	Native			
TESCS	Asteraceae	Tetraneuris scaposa var. scaposa	7	Native			
TETO	Asteraceae	Tetraneuris torreyana	7	Native			
TECAO	Lamiaceae	Teucrium canadense var. occidentale	3	Native	FAC	FACW	FACW
TELA	Lamiaceae	Teucrium laciniatum	6	Native			
THAL	Ranunculaceae	Thalictrum alpinum	8	Native	FACW	FACW	FACW
THDA	Ranunculaceae	Thalictrum dasycarpum	7	Native	FACW	FAC	FACW
THFE	Ranunculaceae	Thalictrum fendleri	6	Native	FAC	FAC	FAC
THHE2	Ranunculaceae	Thalictrum heliophilum	9	Native			
THSP	Ranunculaceae	Thalictrum sparsiflorum	5	Native	FAC		FAC
THTE2	Rutaceae	Thamnosma texana	Not Assigned	Native			
THFI	Asteraceae	Thelesperma filifolium	5	Native			
THME	Asteraceae	Thelesperma megapotamicum	5	Native			
THSU	Asteraceae	Thelesperma subnudum	6	Native			
THAU3	Brassicaceae	Thelypodiopsis aurea	8	Native			
THEL	Brassicaceae	Thelypodiopsis elegans	6	Native			
THJU	Brassicaceae	Thelypodiopsis juniperorum	6	Native			
THIN	Brassicaceae	Thelypodium integrifolium	6	Native	FACW	FACW	FACW
THLA4	Brassicaceae	Thelypodium laxiflorum	8	Native			
THPA6	Brassicaceae	Thelypodium paniculatum	Not Assigned	Native			
THSAS	Brassicaceae	Thelypodium sagittatum ssp. sagittatum	7	Native	FACW	FACU	FACW
THWR	Brassicaceae	Thelypodium wrightii	7	Native			
THRH	Fabaceae	Thermopsis rhombifolia	5	Native	FACU	UPL	FACU
THRHD	Fabaceae	Thermopsis rhombifolia var. divaricarpa	6	Native	FAC	FAC	FAC
THRHM	Fabaceae	Thermopsis rhombifolia var. montana	6	Native	FAC		FAC
ZZ_THRHR50	Fabaceae	Thermopsis rhombifolia var. rhombifolia	5	Native	FACU	UPL	FACU
THIN6	Poaceae	Thinopyrum intermedium	0	Non-native			
THPO7	Poaceae	Thinopyrum ponticum	0	Non-native			
THAR5	Brassicaceae	Thlaspi arvense	0	Non-native	UPL	FACU	UPL
THAUA	Asteraceae	Thymophylla aurea var. aurea	7	Native			
TILA2	Amaranthaceae	Tidestromia lanuginosa	3	Native			
TINU2	Boraginaceae	Tiquilia nuttallii	Not Assigned	Native	UPL		UPL
TOLY	Asteraceae	Tonestus lyallii	5	Native			
TOPY	Asteraceae	Tonestus pygmaeus	8	Native			
TOPAP3	Poaceae	Torreyochloa pallida var. pauciflora	5	Native	OBL	OBL	OBL
TOAN	Asteraceae	Townsendia annua	3	Native			
TOEX	Asteraceae	Townsendia eximia	Not Assigned	Native			
TOEX2	Asteraceae	Townsendia exscapa	6	Native			
TOFE	Asteraceae	Townsendia fendleri	6	Native			
TOGL4	Asteraceae	Townsendia glabella	6	Native			
TOGR	Asteraceae	Townsendia grandiflora	6	Native			
TOHO	Asteraceae	Townsendia hookeri	6	Native			
TOIN	Asteraceae	Townsendia incana	6	Native			
TOLE	Asteraceae	Townsendia leptotes	8	Native			
TORO	Asteraceae	Townsendia rothrockii	8	Native			
TOST	Asteraceae	Townsendia strigosa	10	Native			
TORY	Anacardiaceae	Toxicodendron rydbergii	3	Native	FACU	FACU	FACU
TROC	Commelinaceae	Tradescantia occidentalis	5	Native	FACU	UPL	FACU
TRRA5	Euphorbiaceae	Tragia ramosa	6	Native			
TRDU	Asteraceae	Tragopogon dubius	0	Non-native			
TRPO	Asteraceae	Tragopogon porrifolius	0	Non-native			
TRPR	Asteraceae	Tragopogon pratensis	0	Non-native			
HAVI3	Brassicaceae	Transberingia bursifolia ssp. virgata	Not Assigned	Native	UPL	FACU	UPL
TRCA	Ranunculaceae	Trautvetteria caroliniensis	9	Native	FAC	FACW	FACW
TRPO2	Aizoaceae	Trianthema portulacastrum	3	Native	FAC	FACW	FAC
TRTE	Zygophyllaceae	Tribulus terrestris	0	Non-native			

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TRPU18	Cyperaceae	Trichophorum pumilum	10	Native	FACW	OBL	FACW
TRMU	Poaceae	Tridens muticus	7	Native	FAC	FACU	FAC
TRANA3	Fabaceae	Trifolium andinum var. andinum	8	Native			
TRAN9	Fabaceae	Trifolium anemophilum	Not Assigned	Native	UPL	FACU	UPL
TRAT	Fabaceae	Trifolium attenuatum	8	Native			
TRBR2	Fabaceae	Trifolium brandegeei	8	Native			
TRDA2	Fabaceae	Trifolium dasyphyllum	8	Native	UPL	FACU	UPL
TRFR2	Fabaceae	Trifolium fragiferum	0	Non-native	FACU	FAC	FAC
TRGY	Fabaceae	Trifolium gymnocarpon	6	Native			
TRHY	Fabaceae	Trifolium hybridum	0	Non-native	FAC	FACU	FAC
TRKIK	Fabaceae	Trifolium kingii var. kingii	9	Native	FAC		FAC
TRLO	Fabaceae	Trifolium longipes	8	Native	FAC	FACW	FACW
TRNA2	Fabaceae	Trifolium nanum	9	Native	UPL	UPL	UPL
TRPA5	Fabaceae	Trifolium parryi	8	Native	FAC	FAC	FAC
TRPAS	Fabaceae	Trifolium parryi ssp. salictorum	9	Native	FAC	FAC	FAC
TRPR2	Fabaceae	Trifolium pratense	0	Non-native	FACU	FACU	FACU
TRRE3	Fabaceae	Trifolium repens	0	Non-native	FAC	FACU	FACU
TRWO	Fabaceae	Trifolium wormskioldii var. wormskioldii	5	Native	FACW	FACW	FACW
TRMA20	Juncaginaceae	Triglochin maritima	6	Native	OBL	OBL	OBL
TRPA28	Juncaginaceae	Triglochin palustris	7	Native	OBL	OBL	OBL
TROVO2	Melanthiaceae	Trillium ovatum ssp. ovatum	10	Native	FACU		FACU
TRHO2	Campanulaceae	Triodanis holzingeri	7	Native			
TRLE3	Campanulaceae	Triodanis leptocarpa	3	Native			
TRPE4	Campanulaceae	Triodanis perfoliata	6	Native	UPL	FAC	FACU
TRPU4	Poaceae	Triplasis purpurea	7	Native			
TRIN11	Asteraceae	Tripleurospermum inodorum	0	Non-native	FACU	FAC	FACU
TRMI6	Nyctaginaceae	Tripterocalyx micranthus	6	Native			
TRWO4	Nyctaginaceae	Tripterocalyx wootonii	2	Native			
TRCA21	Poaceae	Trisetum canescens	Not Assigned	Native	FACU		FACU
TRFL5	Poaceae	Trisetum flavescens	0	Non-native			
TRSP2	Poaceae	Trisetum spicatum	7	Native	UPL	FACU	FACU
TRWO3	Poaceae	Trisetum wolfii	7	Native	FACU	FACW	FACU
TRGRG2	Themidaceae	Triteleia grandiflora var. grandiflora	9	Native			
TRAE	Poaceae	Triticum aestivum	0	Non-native			
TRAL8	Ranunculaceae	Trollius albiflorus	8	Native	OBL	OBL	OBL
TUGL	Brassicaceae	Turritis glabra	4	Native			
TYGL	Typhaceae	Typha ×glauca	1	Cryptogenic	OBL	OBL	OBL
TYAN	Typhaceae	Typha angustifolia	1	Cryptogenic	OBL	OBL	OBL
TYDO	Typhaceae	Typha domingensis	4	Native	OBL	OBL	OBL
TYLA	Typhaceae	Typha latifolia	4	Native	OBL	OBL	OBL
ULPU	Ulmaceae	Ulmus pumila	0	Non-native	UPL	UPL	UPL
URDI	Urticaceae	Urtica dioica	3	Native	FAC	FAC	FAC
URDIG	Urticaceae	Urtica dioica ssp. gracilis	3	Native	FAC	FAC	FAC
URDIH	Urticaceae	Urtica dioica ssp. holosericea	3	Native	FAC	FAC	FAC
UTIN2	Lentibulariaceae	Utricularia intermedia	9	Native	OBL	OBL	OBL
UTMI	Lentibulariaceae	Utricularia minor	9	Native	OBL	OBL	OBL
UTOC	Lentibulariaceae	Utricularia ochroleuca	10	Native	OBL	OBL	OBL
UTVU	Lentibulariaceae	Utricularia vulgaris	7	Native	OBL	OBL	OBL
VAHI2	Caryophyllaceae	Vaccaria hispanica	0	Non-native	FACU	UPL	FACU
VACE	Ericaceae	Vaccinium cespitosum	7	Native	FAC	FAC	FAC
VAMY2	Ericaceae	Vaccinium myrtillus	6	Native	UPL	UPL	FACU
VASC	Ericaceae	Vaccinium scoparium	7	Native	FACU	FACU	FACU
VAAT2	Poaceae	Vahlodea atropurpurea	9	Native	FACW		FACW
VAAC	Valerianaceae	Valeriana acutiloba	8	Native	FACU	FAC	FACU
VAAR3	Valerianaceae	Valeriana arizonica	7	Native			
VAED	Valerianaceae	Valeriana edulis	7	Native	FAC	FAC	FAC
VAOC2	Valerianaceae	Valeriana occidentalis	7	Native	FAC	FAC	FAC
VECA2	Melanthiaceae	Veratrum californicum	4	Native	FAC	OBL	FACW
VEBL	Scrophulariaceae	Verbascum blattaria	0	Non-native	UPL	UPL	UPL
VELY	Scrophulariaceae	Verbascum lychnitis	0	Non-native			
VEPH	Scrophulariaceae	Verbascum phlomoides	0	Non-native			

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VETH	Scrophulariaceae	Verbascum thapsus	0	Non-native	FACU	UPL	FACU
VEBR	Verbenaceae	Verbena bracteata	2	Native	FAC	FACU	FAC
VEHA2	Verbenaceae	Verbena hastata	4	Native	FAC	FACW	FAC
VEMA	Verbenaceae	Verbena macdougalii	2	Native	UPL	FAC	FACU
VEPL	Verbenaceae	Verbena plicata	7	Native			
VEST	Verbenaceae	Verbena stricta	3	Native			
VEENE2	Asteraceae	Verbesina encelioides ssp. exauriculata	1	Native	FACU	FAC	FACU
VEBA	Asteraceae	Vernonia baldwinii	4	Native	FACU	FACU	
VEFA2	Asteraceae	Vernonia fasciculata	7	Native	FACW	FAC	
VEMA2	Asteraceae	Vernonia marginata	6	Native	FACU	FAC	FACU
VEAM2	Plantaginaceae	Veronica americana	6	Native	OBL	OBL	OBL
VEAN2	Plantaginaceae	Veronica anagallis-aquatica	1	Native	OBL	OBL	OBL
VEAR	Plantaginaceae	Veronica arvensis	0	Non-native	FACU	FACU	FACU
VEBI2	Plantaginaceae	Veronica biloba	0	Non-native			
VEPEX2	Plantaginaceae	Veronica peregrina ssp. xalapensis	2	Native	FACW	FACW	FAC
VEPE3	Plantaginaceae	Veronica persica	0	Non-native			
VEPO	Plantaginaceae	Veronica polita	0	Non-native			
VESC2	Plantaginaceae	Veronica scutellata	6	Native	OBL	OBL	OBL
VESEH4	Plantaginaceae	Veronica serpyllifolia var. humifusa	6	Native	FAC	OBL	FAC
VEWO2	Plantaginaceae	Veronica wormskjoldii	7	Native	FACW	FAC	FACW
VIED	Adoxaceae	Viburnum edule	6	Native	FACW	FACW	FACW
VILA	Adoxaceae	Viburnum lantana	0	Non-native			
VILE	Adoxaceae	Viburnum lentago	0	Non-native	FACU	FACU	FAC
VIAM	Fabaceae	Vicia americana	5	Native	FAC	FACU	FAC
VIAMA3	Fabaceae	Vicia americana ssp. americana	5	Native	FAC	FACU	FAC
VIAMM3	Fabaceae	Vicia americana ssp. minor	6	Native	FAC	FACU	FAC
VILU	Fabaceae	Vicia ludoviciana	7	Native	UPL	UPL	UPL
VISAN2	Fabaceae	Vicia sativa ssp. nigra	0	Non-native	UPL	FACU	FACU
VIVI	Fabaceae	Vicia villosa	0	Non-native			
VIAD	Violaceae	Viola adunca	6	Native	FAC	FACU	FAC
VIAF2	Violaceae	Viola affinis	9	Native			
VIBI2	Violaceae	Viola biflora	6	Native	FACW	FAC	
VICA4	Violaceae	Viola canadensis	7	Native	FACU	FACU	FACU
VIKI	Violaceae	Viola kitaibeliana	0	Non-native	FACU	FAC	FAC
VILA10	Violaceae	Viola labradorica	9	Native		FAC	FAC
VINU2	Violaceae	Viola nuttallii	5	Native			
VIOD	Violaceae	Viola odorata	0	Non-native			
VIPA4	Violaceae	Viola palustris	7	Native	OBL	FACW	FACW
VIPE2	Violaceae	Viola pedatifida	7	Native	UPL	FACU	FACU
VIPR3	Violaceae	Viola praemorsa	7	Native			
VIPU4	Violaceae	Viola purpurea	5	Native			
VISE2	Violaceae	Viola selkirkii	8	Native			
VISH	Violaceae	Viola sheltonii	8	Native			
VISO	Violaceae	Viola sororia	8	Native	FACW	FACW	FACW
VITR	Violaceae	Viola tricolor	0	Non-native			
VIUT	Violaceae	Viola utahensis	Not Assigned	Native			
VIVA	Violaceae	Viola vallicola	7	Native			
VIAC2	Vitaceae	Vitis acerifolia	6	Native			
VIRI	Vitaceae	Vitis riparia	5	Native	FACU	FAC	FAC
VUOC	Poaceae	Vulpia octoflora	3	Native	UPL	FACU	UPL
WOBO	Araceae	Wolffia borealis	8	Native	OBL	OBL	OBL
WOCO	Araceae	Wolffia columbiana	9	Native	OBL	OBL	OBL
WONE	Dryopteridaceae	Woodsia neomexicana	10	Native			
WOORC2	Dryopteridaceae	Woodsia oregana ssp. cathcartiana	7	Native			
WOPL	Dryopteridaceae	Woodsia plummerae	8	Native			
WOSC	Dryopteridaceae	Woodsia scopulina	8	Native			
WYMA	Asteraceae	Wyethia ×magna	3	Native			
WYAM	Asteraceae	Wyethia amplexicaulis	3	Native	FACU		FAC
WYAR	Asteraceae	Wyethia arizonica	3	Native			
WYSC	Asteraceae	Wyethia scabra	3	Native			
XACO8	Asteraceae	Xanthisma coloradoense	6	Native			

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MAGR10	Asteraceae	Xanthisma gracile	7	Native			
MAGRG	Asteraceae	Xanthisma grindelioides var. grindelioides	4	Native			
XASP	Asteraceae	Xanthisma spinulosum	4	Native	FACU	UPL	UPL
MAPIG3	Asteraceae	Xanthisma spinulosum var. glaberrimum	4	Native	FACU	UPL	UPL
MAPIP3	Asteraceae	Xanthisma spinulosum var. paradoxum	4	Native	FACU	UPL	UPL
MAPIP	Asteraceae	Xanthisma spinulosum var. spinulosum	4	Native	FACU	UPL	UPL
XASP2	Asteraceae	Xanthium spinosum	0	Non-native	FACU	FACU	FACU
XAST	Asteraceae	Xanthium strumarium	1	Native	FAC	FAC	FAC
XYGL	Asteraceae	Xylorhiza glabriuscula	6	Native			
XYVE	Asteraceae	Xylorhiza venusta	5	Native			
YUANA2	Agavaceae	Yucca angustissima var. angustissima	7	Native			
YUBAB	Agavaceae	Yucca baccata var. baccata	6	Native			
YUBAB3	Agavaceae	Yucca baileyi var. baileyi	5	Native			
YUGL	Agavaceae	Yucca glauca	4	Native			
YUHA	Agavaceae	Yucca harrimaniae	7	Native			
YUNE4	Agavaceae	Yucca neomexicana	7	Native			
ZAPA	Zannichelliaceae	Zannichellia palustris	2	Native	OBL	OBL	OBL
ZEMA	Poaceae	Zea mays	0	Non-native			
ZIEL2	Melanthiaceae	Zigadenus elegans	6	Native	FACU	FACW	FACU
ZIPA2	Melanthiaceae	Zigadenus paniculatus	5	Native	FACU	FAC	FACU
ZIVEG	Melanthiaceae	Zigadenus paniculatus var. gramineus	5	Native	FACU	FAC	FACU
ZZ_ZIPAP50	Melanthiaceae	Zigadenus paniculatus var. paniculatus	5	Native	FACU	FAC	FACU
ZIVA	Melanthiaceae	Zigadenus vaginatus	9	Native	FAC		FAC
ZIVI	Melanthiaceae	Zigadenus virescens	5	Native	FAC	FAC	FACU
ZIGR	Asteraceae	Zinnia grandiflora	7	Native			
ZIAP	Apiaceae	Zizia aptera	6	Native	FAC	FAC	FAC
ZUBR	Chenopodiaceae	Zuckia brandegeei	7	Native			
ZYFA	Zygophyllaceae	Zygophyllum fabago	0	Non-native			

Appendix C. Taxa where BONAP Native Status Not Followed

FQA Scientific Name	FQA Native Status	FQA C-value	Native Status by Various Sources						Notes
			BONAP	USDA PLANTS	Ackerfield 2015	Weber & Wittmann 2012	ITIS	FNA	
Achnatherum webberi	Native	Not Assigned	Adventive	Native	Native	Not included	Native	Native	
Acorus calamus	Native	5	Exotic	Introduced	Native	Native	Introduced	Introduced	CNHP tracked species
Amaranthus albus	Non-native	0	Native	Introduced	Introduced	Alien	Introduced	Introduced	
Amaranthus hybridus	Native	3	Exotic	Native	Native	Introduced	Native	Native	
Amaranthus palmeri	Native	3	Adventive	Native	Native	Alien	Native	Native	
Ambrosia artemisiifolia	Native	1	Adventive	Both	Native	Alien	Both	Native	
Ambrosia trifida var. *trifida*	Native	3	Adventive	Native	Native	Alien	Native	Native	
Anemopsis californica	Native	3	Adventive	Native	Native	Alien	Native	Native	
Chamaesyce maculata	Native	3	Adventive	Native	Introduced	Alien	Native	Assumed native	
Chenopodium album	Non-native	0	Native (see Notes)	Both	Introduced	Alien	Both	Introduced	BONAP native status unclear. Online map indicates native, but taxon is on Colorado exotic list downloaded from website.
Chenopodium album var. *album*	Non-native	0	Native (see Notes)	Introduced	Introduced		Both	Introduced	BONAP unclear. Online map indicates native, but taxon is on Colorado exotic list downloaded from website.

FQA Scientific Name	FQA Native Status	FQA C-value	Native Status by Various Sources						Notes
			BONAP	USDA PLANTS	Ackerfield 2015	Weber & Wittmann 2012	ITIS	FNA	
Chenopodium glaucum	Non-native	0	Native (see Notes)	Introduced	Introduced	Alien	Both	Only the subspecies are assigned native status..	BONAP unclear. Online map indicates native, but taxon is on Colorado exotic list downloaded from website (see *Oxybasis glauca*).
Chenopodium glaucum var. *glaucum*	Non-native	0	Native (see Notes)	Introduced	Introduced	Alien	Introduced	Introduced	BONAP unclear. Online map indicates native, but taxon is on Colorado exotic list downloaded from website (see *Oxybasis glauca*).
Chenopodium glaucum var. *salinum*	Native	5	Ssp not in bonap	Native	Introduced	Not included	Native	Native	
Chloris virgata	Native	2	Exotic	Native	Native	Alien	Native	Native	
Conyza canadensis	Native	1	Exotic	Native	Non-native	Evidently native in eastern states and spreading west	Native	Thought to be native, now widely adventive	
Deschampsia brevifolia	Native	9	Adventive	Native	Native	Native	Native	Unclear from text	BONAP native status appears to be a mistake
Disakisperma dubia	Native	5	Adventive	Native	Native	Native	Native	Native	BONAP shows native in New Mexico
Draba nemorosa	Native	6	Exotic	Native	Native	Alien	Native	Introduced	
Dysphania graveolens	Native	7	Adventive	Both	Introduced	Alien	Native	Native	
Erigeron strigosus var. *strigosus*	Native	3	Adventive	Native	Native	Weed	Native	Native	

FQA Scientific Name	FQA Native Status	FQA C-value	Native Status by Various Sources						Notes
			BONAP	USDA PLANTS	Ackerfield 2015	Weber & Wittmann 2012	ITIS	FNA	
Festuca trachyphylla	Native	Not Assigned	Exotic	Introduced	Native	Alien	Introduced	Introduced	Native in Shaw (2008)
Gentiana andrewsii	Native	9	Adventive	Native	Native	Not included	Native	Not available	
Geranium carolinianum	Native	Not Assigned	Adventive	Native	Introduced	Not included	Native	Not available	
Gnaphalium uliginosum	Native	5	Exotic	Introduced	Introduced	Native	Introduced	"…native to Europe; …not clear whether… North American plants may have been introduced"	
Hornungia procumbens	Native	6	Adventive	Native	Native	Alien	Native	Introduced	BONAP shows native nearby
Impatiens capensis	Native	4	Adventive	Native	Non-native	Uncertain	Native	Not available	BONAP shows only Colorado as adventive
Juncus effusus	Native	4	Exotic	Native	Introduced	Alien	Native	Native	BONAP shows only Colorado as exotic
Lactuca canadensis	Native	6	Adventive	Native	Native	Native	Native	Native	
Madia glomerata	Native	3	Adventive	Native	Introduced	Alien	Native	Native	
Malvella leprosa	Native	7	Adventive	Native	Introduced	Native	Native	Native "possibly introduced in Colorado"	

FQA Scientific Name	FQA Native Status	FQA C-value	Native Status by Various Sources						Notes
			BONAP	USDA PLANTS	Ackerfield 2015	Weber & Wittmann 2012	ITIS	FNA	
Oxalis stricta	Native	1	Adventive	Native	Introduced	Unstated (Alien in Weber and Wittmann 2000)	Native	Probably introduced	
Penstemon cobaea	Native	10	Adventive	Native	Native	Native	Native	Not Available	
Phalaris arundinacea	Cryptogenic	1	Native	Native	Native	Alien	Native	Native	
Phalaris caroliniana	Native	Not Assigned	Adventive	Native	Native	Alien?	Native	Native	CNHP watch list species
Phragmites australis	Cryptogenic	1	Exotic	Both	Native	Native	Native	Unclear from text	
Poa pratensis ssp. *agassizensis*	Native	4	ssp. not in BONAP	Introduced	Considered synonym of *Poa pratensis* (introduced)	Native	Both	"It may consist of ecotypes derived from cultivated material, or be a native form that has adapted to xeric conditions."	
Spergularia salina	Native	4	Adventive	Native	Introduced	Unstated Alien in Weber and Wittmann 2000	Native	Introduced and native	

FQA Scientific Name	FQA Native Status	FQA C-value	Native Status by Various Sources						Notes
			BONAP	USDA PLANTS	Ackerfield 2015	Weber & Wittmann 2012	ITIS	FNA	
Typha ×glauca	Cryptogenic	1	Exotic	Both	Not in Ackerfield 2015	---	Native		
Typha angustifolia	Cryptogenic	1	Exotic	Both	Native	Native	Native	Unclear, suggest introduced	
Veronica anagallis-aquatica	Native	1	Exotic	Native	Native	Unstated. Alien in Weber and Wittmann 2000	Native	Introduced	

Notes:

BONAP = Biota of North America Program (Kartesz 2015)
ITIS = Integrated Taxonomic Information System (2020)
FNA = Flora of North America (1993+)