

# COEFFICIENT OF CONSERVATISM RANKINGS FOR THE FLORA OF MONTANA: PART I



Prepared for:  
**Montana Department of Environmental Quality**

Prepared by:  
**Andrea Pipp**

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Prepared for:

**MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
1520 East 6th Ave; Helena MT 59620

Agreement #215042

Prepared by:

**ANDREA PIPP**



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P.O. Box 201800 • 1515 East Sixth Ave • Helena, MT 59620-1800

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*Cynoglossum officinale*, C-value 0: Photographed by Sue Crispin.  
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## **EXECUTIVE SUMMARY**

Species and land conservation requires the ability to assess natural areas. The Floristic Quality Assessment Index (FQAI) is a tool that uses plants to make standardized comparisons among open land areas, to set conservation priorities, to monitor project areas, and to restore habitats. The basic component of the FQAI is the assignment of a coefficient of conservatism (C-) value to individual plant species. For a given geography, C-values reflect the plant's tolerance to natural and/or human disturbance and its affinity to a specific, unimpaired habitat. In 2004-2005 and 2015, the Montana Natural Heritage Program assembled panels of botanical and ecological experts with field-based knowledge of Montana's flora to assign C-values to primarily wetland species. The 2005 scoring criteria were modified by the 2015 panel, which adopted the published methodology used in Georgia (Zomlefer et al. 2013). This modification led to the re-assessment of the 2005 C-values for most exotic species and some native species. The origin of many species was also researched and updated. In total, the panels assigned C-values for 1,412 plant species or varieties in Montana. When assigning C-values in 2015, the panel found that incorporating Georgia's method (Zomlefer et al. 2013) created greater scoring consistency among members, a better understanding of the scoring definitions, and a refinement that better distinguished neighboring values.

## **ACKNOWLEDGMENTS**

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## **1.0 INTRODUCTION**

Conservation of our species and landscapes is accomplished through land preservation, habitat restoration, and development of effective management techniques. Species and land conservation requires the ability to assess natural areas. The Floristic Quality Assessment Index (FQAI) is a tool that uses plants to make standardized comparisons among open land areas, to set conservation priorities, to monitor project areas, and to restore habitats (Wilhelm and Masters 1995). A key component of using FQAI is to assign a Coefficient of Conservatism (C-) value to an individual plant species that is specific to a defined geography. This report outlines the practical uses of FQAI, defines the process used by the Montana Natural Heritage Program (MTNHP) to assign C-values to plants in Montana, and provides the C-values data.

It is commonly accepted that plants and animals occupy habitats to which they are adapted (Wilhelm and Masters 1995). European settlement in North America has resulted in large and rapid changes to our native biological systems and processes. These changes include: a) the loss of conservative plants, those species that co-occur (to create diversity) and are suited to long-term inhabitancy, and b) the increase of exotic species that perpetuate with catastrophic disturbance or cultural activities. As a result, landscapes in Montana are a mosaic of intact systems and fragmented lands in varying states of degradation. Plants exhibit varying degrees of tolerance to disturbance and also display varying degrees of affinity (or fidelity) to a specific habitat integrity (the state of being unimpaired habitat) (Wilhelm and Masters 1995).

For a given geography, the C-value reflects the plant species' tolerance to natural and/or human disturbance and its fidelity to a habitat, and is scaled from 0 to 10. Plants assigned a value of 0 are habitat generalists that respond positively to disturbance while plants assigned a value of 10 occur in very specialized habitats and are intolerant of disturbance. The assigned C-value is not a reflection of the plant's density, apparent dominance, or frequency within the defined geographical area (Wilhelm and Masters 1995). Collectively, C-values are incorporated into community-based site assessment methods, such as FQAI (Zomlefer et al. 2013). The FQAI method is used by government agencies and private consulting firms to: 1) identify natural areas, 2) facilitate comparisons among different sites (regardless of the habitat type), 3) conduct long-term monitoring of the quality of remnant lands, and 4) guide restoration efforts (Zomlefer et al. 2013; Wilhelm and Masters 1995).

Most commonly, government agencies and private consulting firms have used FQAI to monitor wetland conditions in compliance with Section 305(b) of the Clean Water Act. Organizations are also using FQAI and C-values in long-term ecological inventories, to develop baseline conditions, and to set habitat or vegetation targets in restoration projects. To facilitate the use of FQAI and C-value indices in Montana, it is necessary to develop C-values that reflect the species' response to environmental conditions in Montana. In 2004-2005 and 2015, the MTNHP assembled a panel of botanical and ecological experts to assign C-values to Montana's wetland plant species. The emphasis on ranking wetland plants came from the primary objective of the Clean Water Act which is to "maintain and restore the chemical, physical, and biological integrity of the Nation's waters", including wetlands (Federal Water Pollution Control Act, Public Law 92-500). To date, 1,412 plant species or varieties have been assigned a C-value for Montana.

## 2.0 METHODS

### 2.1 Expert Panel

The standard methodology for assigning C-values uses an expert panel of botanists and ecologists familiar with the flora in question (Jones 2005; Rocchio 2007; and Zomlefer et al. 2013). In 2004-2005 (hereafter referred to as 2005) and 2015, the MTNHP assembled panels of botanical and ecological experts with field-based knowledge of Montana's flora (**Table 1**). The emphasis in 2005 was to review wetland plants found in western Montana; whereas, the 2015 effort focused on reviewing wetland plants that more commonly occurred in eastern Montana. In the process some upland and many exotics plants were also reviewed.

**Table 1. Botanical and ecological experts serving on the 2004 and 2015 panels.**

2004-2005	2015
Stephen Cooper (Vegetation Ecologist, MTNHP)	Peter Husby (Retired Botanist, NRCS <sup>1</sup> , and Author)
Marc Jones (Ecologist, MTNHP)	Peter Lesica (Botanical Consultant and Author)
Peter Lesica (Botanical Consultant and Author)	Tara Luna (Botanical Consultant)
Mary Manning (Vegetation Ecologist, USFS <sup>1</sup> )	Scott Mincemoyer (Botanist)
Scott Mincemoyer (Botanist, MTNHP)	Karen Newlon (Ecologist, MTNHP)
John Pierce (Botanical Consultant)	Andrea Pipp (Botanist, MTNHP)
Steve Shelly (Region 1 Botanist, USFS <sup>1</sup> )	Ken Scow (Botanist, Botanical Consultant)

<sup>1</sup> USFS = United States Forest Service

NRCS = United States Natural Resources and Conservation Service

### 2.2 Coefficient of Conservatism Values

In 2005, the panel assigned C-values based on scoring criteria developed by Andreas et al. 2004 (Jones 2005) (**Table 2**). Each panel member worked independently to assign a C-value to each plant species for which they felt confident to assess. For a given species, the scores from each panel member were averaged to determine the final 2005 C-value. The 2005 panel assigned C-values to 747 native and exotic plants known to occur in western Montana.

**Table 2. The scoring criteria used by the 2004/2005 panel for assigning C-values to species.**

C	SCORING CRITERIA
0	Plants with a wide range of ecological tolerances; often opportunistic invaders of natural areas or native taxa that are typically part of a disturbed community. All exotic species receive a C-value of 0.
1-2	Widespread taxa that occur in a variety of communities, including disturbed sites.
3-5	Plants with an intermediate range of ecological tolerances that typify a stable phase of a native community, but that persist under some disturbance.
6-8	Plants with a narrow range of ecological tolerances that typify stable, relatively undisturbed communities.
9-10	Plants with a narrow range of ecological tolerances that exhibit high fidelity to narrow habitat requirements.

A review of the literature and discussion by the 2015 panel led to a modification of the 2005 Montana method. On April 15, 2015, the 2015 panel adopted the published methodology used in Georgia (Zomlefer et al. 2013). This method refined the scoring criteria definitions, assigned exotics with a C-value of 0 (if invasive) or 1 (if relatively benign), assigned native plants with a C-value ranging from 2 to 10, and developed the *Dichotomous Key for Coefficient of Conservatism Rankings* (Zomlefer et al. 2013) (**Table 3; Appendix A**). The panel assigned C-values to 307 native wetland plants known to occur in eastern Montana. All C-values were

assigned using group discussion and working each species through the dichotomous key (**Appendix A**). Additional resources used included the knowledge of individual panel members for a particular species, published materials pertinent to vascular plants in Montana, and on-line databases [Consortium of Pacific Northwest Herbaria (University of Washington 2015), PLANTS database (USDA-NRCS 2015), and Flora of North America (Flora of North America Editorial Committee, eds. 1993+)]. The panel did not assign C-values to species that lacked sufficient information on distribution, habitat association, and tolerance to disturbance.

**Table 3. Summary of coefficient of conservatism scoring definitions used by the 2015 Montana panel and adopted from Zomlefer et al. 2013. See Appendix A for the Dichotomous Key for Coefficient of Conservatism Rankings upon which these definitions are based.**

<b>NON-NATIVE MONTANA SPECIES</b>	
0	invasive
1	relatively benign
<b>NATIVE MONTANA SPECIES</b>	
<b>Opportunistic, Broad Ecological Tolerance</b>	
2	exhibits a broad range of ecological tolerance and is more or less restricted to areas of human disturbance
<b>Non-Opportunistic, Intermediate Ecological Tolerance</b>	
3	exhibits an intermediate range of ecological tolerance, typifies a stable phase of a native community, and thrives and/or persists under natural or human disturbance
4	exhibits an intermediate range of ecological tolerance, typifies a stable phase of a native community, and persists but does not thrive with some natural or human disturbance
5	exhibits an intermediate range of ecological tolerance, typifies a stable phase of a native community, and persists but does not thrive with a little natural or human disturbance
<b>Non-Opportunistic, Narrow Ecological Tolerance</b>	
6	exhibits a moderate fidelity to a more or less narrow range of ecological tolerance, typifies a stable or near climax community, and tolerates limited natural or human disturbance (unless surrogate for fire or other natural disturbance)
7	exhibits a moderate fidelity to a somewhat narrow range of ecological tolerance, typifies a stable or near climax community, and does not tolerate disturbance
8	exhibits a moderate fidelity to a narrow range of ecological tolerance, typifies a stable or near climax community, and does not tolerate disturbance
9	exhibits a high fidelity to a narrow range of ecological tolerance, typifies a stable or near climax community, and does not tolerate disturbance
10	exhibits a very high fidelity to a very narrow range of ecological tolerance that typifies a stable or near climax community and does not tolerate disturbance

Adopting the method used in Georgia (hereafter referred to as the ‘2015 method’) brought into question the validity of the C-values assigned in 2005 and the unequal treatment of exotic species by the 2005 and 2015 methods. The panel agreed that all exotic species should be re-evaluated using the 2015 method and that a subset of the 2005 C-values assigned to native plants should be re-evaluated to determine if the methods resulted in significantly different C-values.

A subset of the native plants with assigned 2005 C-values was used to test the 2005 and 2015 methodologies. For a given species, an assigned 2005 and 2015 C-value that differed by three or more values was considered significantly different (Rocchio 2007). The MTNHP botanist randomly selected 20% (138 species) of the native plants that had an assigned 2005 C-value.



The list of 138 species was provided to three panel botanists who each used the 2015 method to assign a C-value for the species for which they felt confident to assess. The three botanists worked independently and did not know the species' 2005 C-value. For a given species, the three botanists' C-values were averaged. The averaged 2015 C-value was compared to the 2005 C-value for each species. Of the 138 species, 131 (95%) species had 2005 and 2015 C-values within three values of each other, suggesting that both the 2005 and 2015 methods are consistent in placing the species in the same spectrum of the 0 to 10 scale. Further analysis showed that the 2005 and 2015 C-values were the same for 37 species (27%) and differed by one or two values for 94 species (68%). A difference of three or more values resulted for seven plant species. The C-value for these seven species was changed to reflect the more refined 2015 method.

The 2005 method assigned a C-value of 0 to most exotic species and either a 0, 1, or 2 to some weedy native and exotic species. To ensure consistency all species assigned a 2005 rank of 0, 1, and 2 were re-evaluated using the 2015 methodology. In addition, the origin of many species was also re-evaluated based on current literature. This resulted in 429 species being re-evaluated. Applying the 2015 method, exotic species were either assigned a value of 0, if deemed invasive, or a 1, if deemed relatively benign, by the panel. Applying the 2015 method all native species were assigned a C-value ranging from 2 to 10.

### **3.0 SUMMARY**

In 2005 and 2015, the MTNHP assigned C-values for 1,412 species or varieties (**Appendix B**). When assigning C-values in 2015, the panel found that incorporating Georgia's method (Zomlefer et al. 2013) created more scoring consistency among members, a greater understanding of the scoring definitions, and a refinement that better distinguished between consecutive C-values. The Botany Program of the Montana Natural Heritage Program (MTNHP) has and will continue to house and maintain the C-value dataset (processes, data, and documentation). The methods and species' C-values are available on the MTNHP website (<http://mtnhp.org/>). An additional 1,480 plants are still lacking C-values (**Appendix B**). Future funding would allow for most of these 1,480 plants to be assigned a C-value using the 2015 methodology.

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## **Appendix A**

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*2015 Methodology: Dichotomous Key*

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**Figure 1. The Dichotomous Key for Coefficient of Conservatism Rankings, taken from Zomlefer, W., L. Chafin, J. Carter, and D. Giannasi. 2013. Coefficient of Conservatism Rankings for the Flora of Georgia: Wetland Indicator Species. Southeastern Naturalist, 12(4): 790-808. Eagle Hill Institute.**

<b>Dichotomous Key for Coefficient of Conservatism Rankings</b>	
(a) Non-native species.....	(b)
(b) invasive .....	<b>rank 0</b>
(b) relatively benign .....	<b>rank 1</b>
(a) Native species.....	(c)
(c) opportunistic, broad range of ecological tolerance, more or less restricted to areas subject to human disturbance.....	<b>rank 2</b>
(c) non-opportunistic, intermediate to narrow range of ecological tolerance.....	(d)
(d) intermediate range of ecological tolerance, typifies a stable phase of some native community, thrives and/or persists under natural or human disturbance.....	(e)
(e) persists and/or thrives under natural or human disturbance.....	<b>rank 3</b>
(e) persists but does not thrive under limited natural or human disturbance.....	(f)
(f) persists with some disturbance.....	<b>rank 4</b>
(f) persists with a little disturbance.....	<b>rank 5</b>
(d) narrow range of ecological tolerance, typifies a stable or near climax community (including fire-dependent disclimax communities), tolerates little to no disturbance (unless surrogate for fire or other natural disturbance).....	(g)
(g) moderate fidelity to a narrow habitat requirement, may or may not tolerate limited disturbance.....	(h)
(h) more or less narrow range of ecological tolerance, tolerates limited disturbance.....	<b>rank 6</b>
(h) narrower range of ecological tolerance, does not tolerate disturbance.....	(i)
(i) somewhat narrow range of ecological tolerance.....	<b>rank 7</b>
(i) narrow range of ecological tolerance.....	<b>rank 8</b>
(g) high fidelity to a narrow range of habitat requirement, does not tolerate disturbance.....	(j)
(j) narrow range of ecological tolerance, relatively high fidelity to a narrow range of habitat requirement.....	<b>rank 9</b>
(j) very narrow range of ecological tolerance, very high fidelity to a very narrow range habitat requirement.....	<b>rank 10</b>

## **Appendix B**

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*2013 Montana Vascular Plant Checklist with the revised  
2015 C-values and origins*

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**Table 4. The 2013 checklist of Montana vascular plants with the revised 2015 origins and C-values.**

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Pinaceae	<i>Abies grandis</i>	Native	-
Pinaceae	<i>Abies lasiocarpa</i>	Native	-
Nyctaginaceae	<i>Abronia fragrans</i>	Native	-
Malvaceae	<i>Abutilon theophrasti</i>	Exotic	1
Aceraceae	<i>Acer glabrum</i>	Native	4
Aceraceae	<i>Acer negundo</i>	Native	2
Aceraceae	<i>Acer platanoides</i>	Exotic	1
Asteraceae	<i>Achillea millefolium</i>	Native	-
Asteraceae	<i>Achillea nobilis</i>	Exotic	1
Asteraceae	<i>Achillea ptarmica</i>	Exotic	1
Ranunculaceae	<i>Aconitum columbianum</i>	Native	5
Acoraceae	<i>Acorus americanus</i>	Native	9
Asteraceae	<i>Acroptilon repens</i>	Exotic	0
Ranunculaceae	<i>Actaea rubra</i>	Native	7
Asteraceae	<i>Adenocaulon bicolor</i>	Native	-
Pteridaceae	<i>Adiantum aleuticum</i>	Native	7
Ranunculaceae	<i>Adonis aestivalis</i>	Exotic	1
Adoxaceae	<i>Adoxa moschatellina</i>	Native	9
Poaceae	<i>Aegilops cylindrica</i>	Exotic	1
Lamiaceae	<i>Agastache cusickii</i>	Native	-
Lamiaceae	<i>Agastache foeniculum</i>	Native	-
Lamiaceae	<i>Agastache urticifolia</i>	Native	-
Asteraceae	<i>Ageratina occidentalis</i>	Native	-
Asteraceae	<i>Agoseris aurantiaca</i>	Native	5
Asteraceae	<i>Agoseris glauca</i>	Native	4
Asteraceae	<i>Agoseris glauca</i> var. <i>dasycephala</i>	Native	-
Asteraceae	<i>Agoseris glauca</i> var. <i>glauca</i>	Native	-
Asteraceae	<i>Agoseris grandiflora</i>	Native	-
Asteraceae	<i>Agoseris heterophylla</i>	Native	-
Asteraceae	<i>Agoseris lackschewitzii</i>	Native	6
Asteraceae	<i>Agoseris parviflora</i>	Native	-
Rosaceae	<i>Agrimonia gryposepala</i>	Native	-
Rosaceae	<i>Agrimonia striata</i>	Native	-
Poaceae	<i>Agropyron cristatum</i>	Exotic	0
Caryophyllaceae	<i>Agrostemma githago</i>	Exotic	1
Poaceae	<i>Agrostis capillaris</i>	Exotic	1
Poaceae	<i>Agrostis exarata</i>	Native	3
Poaceae	<i>Agrostis gigantea</i>	Exotic	0
Poaceae	<i>Agrostis humilis</i>	Native	8
Poaceae	<i>Agrostis idahoensis</i>	Native	4
Poaceae	<i>Agrostis mertensii</i>	Native	-
Poaceae	<i>Agrostis oregonensis</i>	Native	6
Poaceae	<i>Agrostis pallens</i>	Native	-
Poaceae	<i>Agrostis scabra</i>	Native	2
Poaceae	<i>Agrostis stolonifera</i>	Exotic	0
Poaceae	<i>Agrostis thurberiana</i>	Native	4
Poaceae	<i>Agrostis variabilis</i>	Native	4
Lamiaceae	<i>Ajuga reptans</i>	Exotic	1
Malvaceae	<i>Alcea rosea</i>	Exotic	1
Rosaceae	<i>Alchemilla xanthochlora</i>	Exotic	1

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Alismataceae	<i>Alisma gramineum</i>	Native	6
Alismataceae	<i>Alisma triviale</i>	Native	6
Liliaceae	<i>Allium acuminatum</i>	Native	-
Liliaceae	<i>Allium brandegeei</i>	Unknown / Undetermined	-
Liliaceae	<i>Allium brevistylum</i>	Native	6
Liliaceae	<i>Allium canadense</i>	Unknown / Undetermined	-
Liliaceae	<i>Allium cernuum</i>	Native	-
Liliaceae	<i>Allium columbianum</i>	Native	-
Liliaceae	<i>Allium fibrillum</i>	Native	-
Liliaceae	<i>Allium geyeri</i>	Native	-
Liliaceae	<i>Allium geyeri</i> var. <i>geyeri</i>	Native	-
Liliaceae	<i>Allium geyeri</i> var. <i>tenerum</i>	Native	-
Liliaceae	<i>Allium parvum</i>	Native	-
Liliaceae	<i>Allium schoenoprasum</i>	Native	6
Liliaceae	<i>Allium simillimum</i>	Native	-
Liliaceae	<i>Allium textile</i>	Native	-
Ericaceae	<i>Allotropa virgata</i>	Native	-
Asteraceae	<i>Almutaster pauciflorus</i>	Native	7
Betulaceae	<i>Alnus incana</i>	Native	6
Betulaceae	<i>Alnus rubra</i>	Native	-
Betulaceae	<i>Alnus viridis</i>	Native	6
Poaceae	<i>Alopecurus aequalis</i>	Native	4
Poaceae	<i>Alopecurus arundinaceus</i>	Exotic	0
Poaceae	<i>Alopecurus carolinianus</i>	Native	4
Poaceae	<i>Alopecurus geniculatus</i>	Exotic	1
Poaceae	<i>Alopecurus magellanicus</i>	Native	6
Poaceae	<i>Alopecurus pratensis</i>	Exotic	0
Brassicaceae	<i>Alyssum alyssoides</i>	Exotic	0
Brassicaceae	<i>Alyssum desertorum</i>	Exotic	0
Brassicaceae	<i>Alyssum simplex</i>	Exotic	0
Amaranthaceae	<i>Amaranthus albus</i>	Unknown / Undetermined	-
Amaranthaceae	<i>Amaranthus arenicola</i>	Unknown / Undetermined	-
Amaranthaceae	<i>Amaranthus blitoides</i>	Native	2
Amaranthaceae	<i>Amaranthus californicus</i>	Unknown / Undetermined	7
Amaranthaceae	<i>Amaranthus hybridus</i>	Exotic	1
Amaranthaceae	<i>Amaranthus powellii</i>	Unknown / Undetermined	-
Amaranthaceae	<i>Amaranthus retroflexus</i>	Native	2
Amaranthaceae	<i>Amaranthus tuberculatus</i>	Exotic	1
Asteraceae	<i>Ambrosia acanthicarpa</i>	Native	-
Asteraceae	<i>Ambrosia artemisiifolia</i>	Native	-
Asteraceae	<i>Ambrosia psilostachya</i>	Native	3
Asteraceae	<i>Ambrosia tomentosa</i>	Native	-
Asteraceae	<i>Ambrosia trifida</i>	Native	2
Rosaceae	<i>Amelanchier alnifolia</i>	Native	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Rosaceae	Amelanchier utahensis	Native	-
Orchidaceae	Amerorchis rotundifolia	Native	10
Lythraceae	Ammannia robusta	Native	6
Fabaceae	Amorpha canescens	Native	-
Cyperaceae	Amphiscirpus nevadensis	Native	9
Boraginaceae	Amsinckia lycopsoides	Native	-
Boraginaceae	Amsinckia menziesii	Exotic	-
Myrsinaceae	Anagallis arvensis	Exotic	1
Asteraceae	Anaphalis margaritacea	Native	-
Boraginaceae	Anchusa arvensis	Exotic	1
Boraginaceae	Anchusa azurea	Exotic	1
Boraginaceae	Anchusa officinalis	Exotic	1
Poaceae	Andropogon gerardii	Native	-
Poaceae	Andropogon hallii	Native	-
Primulaceae	Androsace chamaejasme	Native	-
Primulaceae	Androsace filiformis	Native	2
Primulaceae	Androsace occidentalis	Native	-
Primulaceae	Androsace septentrionalis	Native	-
Ranunculaceae	Anemone canadensis	Native	4
Ranunculaceae	Anemone cylindrica	Native	-
Ranunculaceae	Anemone drummondii var. lithophila	Native	-
Ranunculaceae	Anemone multifida	Native	-
Ranunculaceae	Anemone multifida var. multifida	Native	-
Ranunculaceae	Anemone multifida var. tetonensis	Native	-
Ranunculaceae	Anemone occidentalis	Native	-
Ranunculaceae	Anemone parviflora	Native	6
Ranunculaceae	Anemone patens	Native	-
Ranunculaceae	Anemone piperi	Native	-
Apiaceae	Angelica arguta	Native	5
Apiaceae	Angelica dawsonii	Native	7
Apiaceae	Angelica pinnata	Native	4
Apiaceae	Angelica roseana	Native	-
Asteraceae	Antennaria alpina	Native	9
Asteraceae	Antennaria anaphaloides	Native	4
Asteraceae	Antennaria aromatica	Native	7
Asteraceae	Antennaria corymbosa	Native	6
Asteraceae	Antennaria densifolia	Native	9
Asteraceae	Antennaria dimorpha	Native	4
Asteraceae	Antennaria howellii	Native	4
Asteraceae	Antennaria lanata	Native	7
Asteraceae	Antennaria luzuloides	Native	4
Asteraceae	Antennaria media	Native	5
Asteraceae	Antennaria microphylla	Native	4
Asteraceae	Antennaria monocephala	Native	8
Asteraceae	Antennaria neglecta	Unknown / Undetermined	-
Asteraceae	Antennaria parvifolia	Native	4
Asteraceae	Antennaria pulcherrima	Native	7
Asteraceae	Antennaria racemosa	Native	4
Asteraceae	Antennaria rosea	Native	4



FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Asteraceae	<i>Antennaria umbrinella</i>	Native	4
Asteraceae	<i>Anthemis arvensis</i>	Exotic	1
Asteraceae	<i>Anthemis cotula</i>	Exotic	1
Asteraceae	<i>Anthemis tinctoria</i>	Exotic	1
Poaceae	<i>Anthoxanthum hirtum</i>	Native	8
Poaceae	<i>Anthoxanthum odoratum</i>	Exotic	1
Apiaceae	<i>Anthriscus cerefolium</i>	Exotic	1
Poaceae	<i>Apera interrupta</i>	Exotic	1
Apocynaceae	<i>Apocynum androsaemifolium</i>	Native	-
Apocynaceae	<i>Apocynum cannabinum</i>	Native	4
Ranunculaceae	<i>Aquilegia brevistyla</i>	Native	-
Ranunculaceae	<i>Aquilegia coerulea</i>	Native	6
Ranunculaceae	<i>Aquilegia flavescens</i>	Native	-
Ranunculaceae	<i>Aquilegia formosa</i>	Native	6
Ranunculaceae	<i>Aquilegia jonesii</i>	Native	-
Brassicaceae	<i>Arabidopsis lyrata</i>	Native	-
Brassicaceae	<i>Arabidopsis thaliana</i>	Exotic	1
Brassicaceae	<i>Arabis hirsuta</i>	Native	-
Brassicaceae	<i>Arabis nuttallii</i>	Native	-
Araliaceae	<i>Aralia nudicaulis</i>	Native	-
Viscaceae	<i>Arceuthobium americanum</i>	Native	-
Viscaceae	<i>Arceuthobium campylopodum</i>	Native	-
Viscaceae	<i>Arceuthobium cyanocarpum</i>	Native	-
Viscaceae	<i>Arceuthobium douglasii</i>	Native	-
Viscaceae	<i>Arceuthobium laricis</i>	Native	-
Asteraceae	<i>Arctium lappa</i>	Exotic	0
Asteraceae	<i>Arctium minus</i>	Exotic	0
Ericaceae	<i>Arctostaphylos patula</i>	Native	-
Ericaceae	<i>Arctostaphylos uva-ursi</i>	Native	-
Caryophyllaceae	<i>Arenaria aculeata</i>	Native	-
Caryophyllaceae	<i>Arenaria capillaris</i>	Native	-
Caryophyllaceae	<i>Arenaria congesta</i>	Native	-
Caryophyllaceae	<i>Arenaria congesta</i> var. <i>cephaloidea</i>	Native	-
Caryophyllaceae	<i>Arenaria congesta</i> var. <i>congesta</i>	Native	-
Caryophyllaceae	<i>Arenaria congesta</i> var. <i>lithophila</i>	Native	-
Caryophyllaceae	<i>Arenaria hookeri</i>	Native	-
Caryophyllaceae	<i>Arenaria kingii</i>	Native	-
Caryophyllaceae	<i>Arenaria serpyllifolia</i>	Exotic	0
Papaveraceae	<i>Argemone polyanthemus</i>	Unknown / Undetermined	-
Rosaceae	<i>Argentina anserina</i>	Native	3
Poaceae	<i>Aristida purpurea</i>	Native	-
Asteraceae	<i>Arnica amplexicaulis</i>	Native	5
Asteraceae	<i>Arnica angustifolia</i>	Native	-
Asteraceae	<i>Arnica chamissonis</i>	Native	5
Asteraceae	<i>Arnica cordifolia</i>	Native	-
Asteraceae	<i>Arnica fulgens</i>	Native	-
Asteraceae	<i>Arnica latifolia</i>	Native	4
Asteraceae	<i>Arnica latifolia</i> var. <i>gracilis</i>	Native	-
Asteraceae	<i>Arnica latifolia</i> var. <i>latifolia</i>	Native	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Asteraceae	<i>Arnica longifolia</i>	Native	7
Asteraceae	<i>Arnica mollis</i>	Native	6
Asteraceae	<i>Arnica parryi</i>	Native	-
Asteraceae	<i>Arnica rydbergii</i>	Native	-
Asteraceae	<i>Arnica sororia</i>	Native	-
Asteraceae	<i>Arnica x diversifolia</i>	Native	5
Poaceae	<i>Arrhenatherum elatius</i>	Exotic	0
Asteraceae	<i>Artemisia absinthium</i>	Exotic	0
Asteraceae	<i>Artemisia annua</i>	Exotic	1
Asteraceae	<i>Artemisia arbuscula</i>	Native	-
Asteraceae	<i>Artemisia arbuscula ssp. arbuscula</i>	Native	-
Asteraceae	<i>Artemisia arbuscula ssp. longiloba</i>	Native	-
Asteraceae	<i>Artemisia biennis</i>	Native	2
Asteraceae	<i>Artemisia campestris</i>	Native	-
Asteraceae	<i>Artemisia campestris ssp. borealis</i>	Native	-
Asteraceae	<i>Artemisia campestris ssp. caudata</i>	Native	-
Asteraceae	<i>Artemisia campestris ssp. pacifica</i>	Native	-
Asteraceae	<i>Artemisia cana</i>	Native	4
Asteraceae	<i>Artemisia cana ssp. cana</i>	Native	-
Asteraceae	<i>Artemisia cana ssp. viscidula</i>	Native	-
Asteraceae	<i>Artemisia dracunculus</i>	Native	-
Asteraceae	<i>Artemisia frigida</i>	Native	-
Asteraceae	<i>Artemisia lindleyana</i>	Native	7
Asteraceae	<i>Artemisia longifolia</i>	Native	-
Asteraceae	<i>Artemisia ludoviciana</i>	Native	3
Asteraceae	<i>Artemisia ludoviciana ssp. candicans</i>	Native	-
Asteraceae	<i>Artemisia ludoviciana ssp. incompta</i>	Native	-
Asteraceae	<i>Artemisia ludoviciana ssp. ludoviciana</i>	Native	-
Asteraceae	<i>Artemisia michauxiana</i>	Native	-
Asteraceae	<i>Artemisia norvegica</i>	Native	-
Asteraceae	<i>Artemisia nova</i>	Native	-
Asteraceae	<i>Artemisia pedatifida</i>	Native	-
Asteraceae	<i>Artemisia porteri</i>	Unknown / Undetermined	-
Asteraceae	<i>Artemisia rigida</i>	Unknown / Undetermined	-
Asteraceae	<i>Artemisia scopulorum</i>	Native	-
Asteraceae	<i>Artemisia spinescens</i>	Native	-
Asteraceae	<i>Artemisia tilesii</i>	Native	-
Asteraceae	<i>Artemisia tridentata</i>	Native	-
Asteraceae	<i>Artemisia tridentata ssp. tridentata</i>	Native	5
Asteraceae	<i>Artemisia tridentata ssp. vaseyana</i>	Native	3
Asteraceae	<i>Artemisia tridentata ssp. wyomingensis</i>	Native	4
Asteraceae	<i>Artemisia tripartita</i>	Native	-
Asteraceae	<i>Artemisia tripartita ssp. rupicola</i>	Native	-
Asteraceae	<i>Artemisia tripartita ssp. tripartita</i>	Native	-
Aristolochiaceae	<i>Asarum caudatum</i>	Native	8
Asclepiadaceae	<i>Asclepias incarnata</i>	Native	6
Asclepiadaceae	<i>Asclepias ovalifolia</i>	Native	-
Asclepiadaceae	<i>Asclepias pumila</i>	Native	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Asclepiadaceae	<i>Asclepias speciosa</i>	Native	0
Asclepiadaceae	<i>Asclepias stenophylla</i>	Native	-
Asclepiadaceae	<i>Asclepias verticillata</i>	Native	-
Asclepiadaceae	<i>Asclepias viridiflora</i>	Native	-
Liliaceae	<i>Asparagus officinalis</i>	Exotic	1
Boraginaceae	<i>Asperugo procumbens</i>	Exotic	0
Pteridaceae	<i>Aspidotis densa</i>	Native	-
Aspleniaceae	<i>Asplenium trichomanes</i>	Native	-
Aspleniaceae	<i>Asplenium trichomanes-ramosum</i>	Native	-
Fabaceae	<i>Astragalus adsurgens</i>	Native	-
Fabaceae	<i>Astragalus agrestis</i>	Native	3
Fabaceae	<i>Astragalus alpinus</i>	Native	4
Fabaceae	<i>Astragalus americanus</i>	Native	6
Fabaceae	<i>Astragalus aretioides</i>	Native	-
Fabaceae	<i>Astragalus argophyllus</i>	Native	6
Fabaceae	<i>Astragalus atropubescens</i>	Native	-
Fabaceae	<i>Astragalus australis</i>	Native	-
Fabaceae	<i>Astragalus barrii</i>	Native	-
Fabaceae	<i>Astragalus bisulcatus</i>	Native	-
Fabaceae	<i>Astragalus bourgovii</i>	Native	-
Fabaceae	<i>Astragalus canadensis</i>	Native	3
Fabaceae	<i>Astragalus canadensis</i> var. <i>brevidens</i>	Native	-
Fabaceae	<i>Astragalus canadensis</i> var. <i>canadensis</i>	Native	-
Fabaceae	<i>Astragalus canadensis</i> var. <i>mortonii</i>	Native	-
Fabaceae	<i>Astragalus ceramicus</i>	Native	-
Fabaceae	<i>Astragalus ceramicus</i> var. <i>apus</i>	Native	-
Fabaceae	<i>Astragalus ceramicus</i> var. <i>filifolius</i>	Native	-
Fabaceae	<i>Astragalus chamaeleuce</i>	Native	-
Fabaceae	<i>Astragalus cibarius</i>	Native	-
Fabaceae	<i>Astragalus cicer</i>	Exotic	1
Fabaceae	<i>Astragalus convallarius</i>	Native	-
Fabaceae	<i>Astragalus crassicaarpus</i>	Native	-
Fabaceae	<i>Astragalus crassicaarpus</i> var. <i>crassicaarpus</i>	Native	-
Fabaceae	<i>Astragalus crassicaarpus</i> var. <i>paysonii</i>	Native	-
Fabaceae	<i>Astragalus drummondii</i>	Native	-
Fabaceae	<i>Astragalus eucosmus</i>	Native	-
Fabaceae	<i>Astragalus falcatus</i>	Exotic	1
Fabaceae	<i>Astragalus flexuosus</i>	Native	-
Fabaceae	<i>Astragalus geyeri</i>	Native	-
Fabaceae	<i>Astragalus gilviflorus</i>	Native	-
Fabaceae	<i>Astragalus gracilis</i>	Native	-
Fabaceae	<i>Astragalus grayi</i>	Native	-
Fabaceae	<i>Astragalus hyalinus</i>	Native	-
Fabaceae	<i>Astragalus inflexus</i>	Native	-
Fabaceae	<i>Astragalus kentrophyta</i>	Native	-
Fabaceae	<i>Astragalus kentrophyta</i> var. <i>kentrophyta</i>	Native	-
Fabaceae	<i>Astragalus kentrophyta</i> var. <i>tegetarius</i>	Native	-
Fabaceae	<i>Astragalus lackschewitzii</i>	Native	-
Fabaceae	<i>Astragalus lentiginosus</i>	Native	-
Fabaceae	<i>Astragalus lentiginosus</i> var. <i>salinus</i>	Native	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Fabaceae	Astragalus leptaleus	Native	6
Fabaceae	Astragalus lotiflorus	Native	-
Fabaceae	Astragalus microcystis	Native	-
Fabaceae	Astragalus miser	Native	-
Fabaceae	Astragalus miser var. crispatus	Native	-
Fabaceae	Astragalus miser var. decumbens	Native	-
Fabaceae	Astragalus miser var. hylophilus	Native	-
Fabaceae	Astragalus miser var. miser	Native	-
Fabaceae	Astragalus miser var. praeteritus	Native	-
Fabaceae	Astragalus miser var. serotinus	Native	-
Fabaceae	Astragalus missouriensis	Native	-
Fabaceae	Astragalus oreganus	Native	-
Fabaceae	Astragalus pectinatus	Native	-
Fabaceae	Astragalus plattensis	Native	-
Fabaceae	Astragalus platytropis	Native	-
Fabaceae	Astragalus purshii	Native	-
Fabaceae	Astragalus purshii var. concinnus	Native	-
Fabaceae	Astragalus purshii var. purshii	Native	-
Fabaceae	Astragalus racemosus	Native	-
Fabaceae	Astragalus robbinsii	Native	5
Fabaceae	Astragalus scaphoides	Native	-
Fabaceae	Astragalus shortianus	Native	-
Fabaceae	Astragalus spatulatus	Native	-
Fabaceae	Astragalus tenellus	Native	-
Fabaceae	Astragalus terminalis	Native	-
Fabaceae	Astragalus vexilliflexus	Native	-
Dryopteridaceae	Athyrium alpestre	Native	7
Dryopteridaceae	Athyrium filix-femina	Native	5
Brassicaceae	Athysanus pusillus	Native	-
Amaranthaceae	Atriplex argentea	Native	3
Amaranthaceae	Atriplex canescens	Native	-
Amaranthaceae	Atriplex confertifolia	Native	-
Amaranthaceae	Atriplex dioica	Native	3
Amaranthaceae	Atriplex gardneri	Native	-
Amaranthaceae	Atriplex heterosperma	Exotic	0
Amaranthaceae	Atriplex hortensis	Exotic	1
Amaranthaceae	Atriplex patula	Unknown / Undetermined	0
Amaranthaceae	Atriplex powellii	Native	-
Amaranthaceae	Atriplex prostrata	Unknown / Undetermined	-
Amaranthaceae	Atriplex rosea	Exotic	1
Amaranthaceae	Atriplex suckleyi	Native	-
Amaranthaceae	Atriplex truncata	Native	5
Poaceae	Avena barbata	Exotic	0
Poaceae	Avena fatua	Exotic	1
Poaceae	Avena sativa	Exotic	1
Amaranthaceae	Axyris amaranthoides	Exotic	1
Azollaceae	Azolla filiculoides	Unknown / Undetermined	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Plantaginaceae	Bacopa rotundifolia	Native	7
Asteraceae	Balsamorhiza hookeri	Native	-
Asteraceae	Balsamorhiza incana	Native	-
Asteraceae	Balsamorhiza macrophylla	Native	-
Asteraceae	Balsamorhiza sagittata	Native	-
Brassicaceae	Barbarea orthoceras	Native	4
Brassicaceae	Barbarea vulgaris	Exotic	1
Amaranthaceae	Bassia hyssopifolia	Exotic	1
Poaceae	Beckmannia syzigachne	Native	4
Asteraceae	Bellis perennis	Exotic	1
Berberidaceae	Berberis aquifolium	Native	-
Berberidaceae	Berberis nervosa	Native	-
Berberidaceae	Berberis repens	Native	-
Berberidaceae	Berberis vulgaris	Exotic	1
Brassicaceae	Berteroa incana	Exotic	0
Apiaceae	Berula erecta	Native	7
Plantaginaceae	Besseyia rubra	Native	-
Plantaginaceae	Besseyia wyomingensis	Native	-
Betulaceae	Betula glandulosa	Native	8
Betulaceae	Betula occidentalis	Native	5
Betulaceae	Betula papyrifera	Native	3
Betulaceae	Betula pumila	Native	6
Betulaceae	Betula x sargentii	Native	-
Betulaceae	Betula x utahensis	Native	-
Asteraceae	Bidens beckii	Native	8
Asteraceae	Bidens cernua	Native	4
Asteraceae	Bidens comosa	Native	6
Asteraceae	Bidens frondosa	Native	6
Asteraceae	Bidens vulgata	Native	6
Brassicaceae	Boechera calderi	Native	-
Brassicaceae	Boechera collinsii	Native	-
Brassicaceae	Boechera demissa	Native	-
Brassicaceae	Boechera divaricarpa	Native	-
Brassicaceae	Boechera fecunda	Native	-
Brassicaceae	Boechera grahamii	Native	-
Brassicaceae	Boechera lemmonii	Native	-
Brassicaceae	Boechera lyallii	Native	-
Brassicaceae	Boechera microphylla	Native	-
Brassicaceae	Boechera microphylla var. macounii	Native	-
Brassicaceae	Boechera microphylla var. microphylla	Native	-
Brassicaceae	Boechera pauciflora	Native	-
Brassicaceae	Boechera pendulocarpa	Native	-
Brassicaceae	Boechera polyantha	Native	-
Brassicaceae	Boechera retrofracta	Native	-
Brassicaceae	Boechera saximontana	Native	-
Brassicaceae	Boechera sparsiflora	Native	-
Brassicaceae	Boechera stricta	Native	-
Cyperaceae	Bolboschoenus fluviatilis	Native	-
Cyperaceae	Bolboschoenus maritimus	Native	6
Boraginaceae	Borago officinalis	Exotic	1

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Poaceae	Bothriochloa ischaemum	Exotic	1
Ophioglossaceae	Botrychium adnatum	Native	-
Ophioglossaceae	Botrychium ascendens	Native	4
Ophioglossaceae	Botrychium campestre	Native	-
Ophioglossaceae	Botrychium crenulatum	Native	4
Ophioglossaceae	Botrychium gallicomontanum	Native	-
Ophioglossaceae	Botrychium hesperium	Native	-
Ophioglossaceae	Botrychium lanceolatum	Native	6
Ophioglossaceae	Botrychium lineare	Native	-
Ophioglossaceae	Botrychium lunaria	Native	4
Ophioglossaceae	Botrychium michiganense	Native	-
Ophioglossaceae	Botrychium minganense	Native	-
Ophioglossaceae	Botrychium montanum	Native	-
Ophioglossaceae	Botrychium multifidum	Native	8
Ophioglossaceae	Botrychium pallidum	Native	-
Ophioglossaceae	Botrychium paradoxum	Native	-
Ophioglossaceae	Botrychium pedunculosum	Native	-
Ophioglossaceae	Botrychium pinnatum	Native	7
Ophioglossaceae	Botrychium simplex	Native	6
Ophioglossaceae	Botrychium spathulatum	Native	-
Ophioglossaceae	Botrychium tunux	Native	-
Ophioglossaceae	Botrychium virginianum	Native	4
Ophioglossaceae	Botrychium x watertonense	Native	-
Ophioglossaceae	Botrychium yaaxudakeit	Native	-
Poaceae	Bouteloua barbata	Native	-
Poaceae	Bouteloua curtipendula	Native	-
Poaceae	Bouteloua gracilis	Native	-
Saxifragaceae	Boykinia major	Native	7
Cabombaceae	Brasenia schreberi	Native	9
Brassicaceae	Brassica juncea	Exotic	1
Brassicaceae	Brassica nigra	Exotic	1
Brassicaceae	Brassica rapa	Exotic	1
Brassicaceae	Braya humilis	Native	-
Asteraceae	Brickellia eupatorioides	Native	-
Asteraceae	Brickellia grandiflora	Native	-
Asteraceae	Brickellia oblongifolia	Native	-
Poaceae	Bromus arvensis	Exotic	1
Poaceae	Bromus berterianus	Exotic	1
Poaceae	Bromus briziformis	Exotic	1
Poaceae	Bromus carinatus	Native	5
Poaceae	Bromus ciliatus	Native	6
Poaceae	Bromus commutatus	Exotic	1
Poaceae	Bromus diandrus	Exotic	0
Poaceae	Bromus hordeaceus	Exotic	1
Poaceae	Bromus inermis	Exotic/Native	-
Poaceae	Bromus inermis ssp. inermis	Exotic	0
Poaceae	Bromus inermis ssp. pumpellianus	Native	-
Poaceae	Bromus japonicus	Exotic	0
Poaceae	Bromus latiglumis	Unknown / Undetermined	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Poaceae	<i>Bromus polyanthus</i>	Unknown / Undetermined	-
Poaceae	<i>Bromus porteri</i>	Native	-
Poaceae	<i>Bromus racemosus</i>	Exotic	1
Poaceae	<i>Bromus richardsonii</i>	Native	-
Poaceae	<i>Bromus secalinus</i>	Exotic	1
Poaceae	<i>Bromus squarrosus</i>	Exotic	1
Poaceae	<i>Bromus tectorum</i>	Exotic	0
Poaceae	<i>Bromus vulgaris</i>	Native	-
Cucurbitaceae	<i>Bryonia alba</i>	Exotic	1
Poaceae	<i>Buchloe dactyloides</i>	Native	-
Cyperaceae	<i>Bulbostylis capillaris</i>	Native	-
Apiaceae	<i>Bupleurum americanum</i>	Native	-
Butomaceae	<i>Butomus umbellatus</i>	Exotic	0
Poaceae	<i>Calamagrostis canadensis</i>	Native	5
Poaceae	<i>Calamagrostis koelerioides</i>	Native	-
Poaceae	<i>Calamagrostis montanensis</i>	Native	-
Poaceae	<i>Calamagrostis purpurascens</i>	Native	-
Poaceae	<i>Calamagrostis rubescens</i>	Native	-
Poaceae	<i>Calamagrostis scopulorum</i>	Native	-
Poaceae	<i>Calamagrostis stricta</i>	Native	6
Poaceae	<i>Calamagrostis tweedyi</i>	Native	-
Poaceae	<i>Calamovilfa longifolia</i>	Native	-
Callitrichaceae	<i>Callitriche hermaphroditica</i>	Native	6
Callitrichaceae	<i>Callitriche heterophylla</i>	Native	3
Callitrichaceae	<i>Callitriche palustris</i>	Native	6
Callitrichaceae	<i>Callitriche stagnalis</i>	Exotic	1
Liliaceae	<i>Calochortus apiculatus</i>	Native	-
Liliaceae	<i>Calochortus bruneauis</i>	Native	-
Liliaceae	<i>Calochortus elegans</i>	Native	-
Liliaceae	<i>Calochortus eurycarpus</i>	Native	-
Liliaceae	<i>Calochortus gunnisonii</i>	Native	-
Liliaceae	<i>Calochortus macrocarpus</i>	Native	-
Liliaceae	<i>Calochortus nuttallii</i>	Native	-
Ranunculaceae	<i>Caltha leptosepala</i>	Native	7
Onagraceae	<i>Calylophus serrulatus</i>	Native	-
Orchidaceae	<i>Calypso bulbosa</i>	Native	6
Orchidaceae	<i>Calypso bulbosa</i> var. <i>americana</i>	Native	-
Orchidaceae	<i>Calypso bulbosa</i> var. <i>occidentalis</i>	Native	-
Convolvulaceae	<i>Calystegia macounii</i>	Unknown / Undetermined	-
Convolvulaceae	<i>Calystegia sepium</i>	Exotic	1
Liliaceae	<i>Camassia quamash</i>	Native	6
Brassicaceae	<i>Camelina microcarpa</i>	Exotic	0
Brassicaceae	<i>Camelina sativa</i>	Exotic	1
Onagraceae	<i>Camissonia andina</i>	Native	-
Onagraceae	<i>Camissonia breviflora</i>	Native	5
Onagraceae	<i>Camissonia minor</i>	Native	-
Onagraceae	<i>Camissonia parvula</i>	Native	-
Onagraceae	<i>Camissonia scapoidea</i>	Native	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Onagraceae	Camissonia subacaulis	Native	5
Onagraceae	Camissonia tanacetifolia	Unknown / Undetermined	-
Campanulaceae	Campanula glomerata	Exotic	0
Campanulaceae	Campanula medium	Exotic	1
Campanulaceae	Campanula parryi	Native	7
Campanulaceae	Campanula rapunculoides	Exotic	0
Campanulaceae	Campanula rotundifolia	Native	3
Campanulaceae	Campanula scabrella	Native	-
Campanulaceae	Campanula uniflora	Native	9
Asteraceae	Canadanthus modestus	Native	6
Cannabaceae	Cannabis sativa	Exotic	1
Brassicaceae	Capsella bursa-pastoris	Exotic	0
Fabaceae	Caragana arborescens	Exotic	1
Brassicaceae	Cardamine breweri	Native	7
Brassicaceae	Cardamine oligosperma	Native	3
Brassicaceae	Cardamine oligosperma var. kamschatica	Native	-
Brassicaceae	Cardamine oligosperma var. oligosperma	Native	-
Brassicaceae	Cardamine pennsylvanica	Native	3
Brassicaceae	Cardamine rupicola	Native	-
Asteraceae	Carduus acanthoides	Exotic	0
Asteraceae	Carduus nutans	Exotic	0
Cyperaceae	Carex albonigra	Native	5
Cyperaceae	Carex amplifolia	Native	5
Cyperaceae	Carex angustata	Unknown / Undetermined	-
Cyperaceae	Carex aperta	Native	6
Cyperaceae	Carex aquatilis	Native	5
Cyperaceae	Carex aquatilis var. aquatilis	Native	-
Cyperaceae	Carex aquatilis var. dives	Native	-
Cyperaceae	Carex arcta	Native	6
Cyperaceae	Carex atherodes	Native	5
Cyperaceae	Carex athrostachya	Native	4
Cyperaceae	Carex atosquama	Native	5
Cyperaceae	Carex aurea	Native	6
Cyperaceae	Carex backii	Native	-
Cyperaceae	Carex bebbii	Native	7
Cyperaceae	Carex bolanderi	Native	6
Cyperaceae	Carex brevior	Native	4
Cyperaceae	Carex brunnescens	Native	8
Cyperaceae	Carex buxbaumii	Native	8
Cyperaceae	Carex canescens	Native	8
Cyperaceae	Carex capillaris	Native	8
Cyperaceae	Carex capitata	Native	7
Cyperaceae	Carex chalciolepis	Native	7
Cyperaceae	Carex chordorrhiza	Native	9
Cyperaceae	Carex comosa	Native	7
Cyperaceae	Carex concinna	Native	7
Cyperaceae	Carex concinnoides	Native	-
Cyperaceae	Carex cordillerana	Native	-



FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Cyperaceae	<i>Carex crawei</i>	Native	6
Cyperaceae	<i>Carex crawfordii</i>	Native	5
Cyperaceae	<i>Carex cusickii</i>	Native	7
Cyperaceae	<i>Carex deweyana</i>	Native	6
Cyperaceae	<i>Carex diandra</i>	Native	8
Cyperaceae	<i>Carex diluta</i>	Exotic	1
Cyperaceae	<i>Carex disperma</i>	Native	6
Cyperaceae	<i>Carex douglasii</i>	Native	3
Cyperaceae	<i>Carex duriuscula</i>	Native	-
Cyperaceae	<i>Carex eburnea</i>	Native	-
Cyperaceae	<i>Carex echinata</i>	Native	8
Cyperaceae	<i>Carex elynoides</i>	Native	6
Cyperaceae	<i>Carex engelmannii</i>	Native	-
Cyperaceae	<i>Carex epapillosa</i>	Native	5
Cyperaceae	<i>Carex filifolia</i>	Native	-
Cyperaceae	<i>Carex flava</i>	Native	7
Cyperaceae	<i>Carex foenea</i>	Native	-
Cyperaceae	<i>Carex fuliginosa</i>	Native	5
Cyperaceae	<i>Carex geyeri</i>	Native	-
Cyperaceae	<i>Carex glacialis</i>	Native	-
Cyperaceae	<i>Carex gravida</i>	Native	6
Cyperaceae	<i>Carex gynocrates</i>	Native	9
Cyperaceae	<i>Carex hallii</i>	Unknown / Undetermined	-
Cyperaceae	<i>Carex haydeniana</i>	Native	6
Cyperaceae	<i>Carex hoodii</i>	Native	4
Cyperaceae	<i>Carex hystericina</i>	Native	5
Cyperaceae	<i>Carex idahoa</i>	Native	7
Cyperaceae	<i>Carex illota</i>	Native	7
Cyperaceae	<i>Carex incurviformis</i>	Native	9
Cyperaceae	<i>Carex inops</i>	Native	-
Cyperaceae	<i>Carex interior</i>	Native	8
Cyperaceae	<i>Carex jonesii</i>	Unknown / Undetermined	-
Cyperaceae	<i>Carex kelloggii</i>	Native	5
Cyperaceae	<i>Carex lachenalii</i>	Native	9
Cyperaceae	<i>Carex lacustris</i>	Native	9
Cyperaceae	<i>Carex laeviconica</i>	Native	5
Cyperaceae	<i>Carex laeviculmis</i>	Native	6
Cyperaceae	<i>Carex lasiocarpa</i>	Native	7
Cyperaceae	<i>Carex leporinella</i>	Native	5
Cyperaceae	<i>Carex leptalea</i>	Native	8
Cyperaceae	<i>Carex leptopoda</i>	Native	6
Cyperaceae	<i>Carex limosa</i>	Native	9
Cyperaceae	<i>Carex livida</i>	Native	9
Cyperaceae	<i>Carex luzulina</i>	Native	7
Cyperaceae	<i>Carex luzulina</i> var. <i>ablata</i>	Native	-
Cyperaceae	<i>Carex luzulina</i> var. <i>atropurpurea</i>	Native	-
Cyperaceae	<i>Carex macloviana</i>	Native	5
Cyperaceae	<i>Carex magellanica</i>	Native	10
Cyperaceae	<i>Carex media</i>	Native	8
Cyperaceae	<i>Carex mertensii</i>	Native	3

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Cyperaceae	Carex microglochis	Unknown / Undetermined	-
Cyperaceae	Carex microptera	Native	3
Cyperaceae	Carex multicosata	Native	-
Cyperaceae	Carex nardina	Native	-
Cyperaceae	Carex nebrascensis	Native	3
Cyperaceae	Carex nelsonii	Native	7
Cyperaceae	Carex neurophora	Native	7
Cyperaceae	Carex nigricans	Native	7
Cyperaceae	Carex norvegica	Native	-
Cyperaceae	Carex obtusata	Native	-
Cyperaceae	Carex occidentalis	Native	-
Cyperaceae	Carex pachystachya	Native	7
Cyperaceae	Carex pallescens	Unknown / Undetermined	-
Cyperaceae	Carex parryana	Native	5
Cyperaceae	Carex paysonis	Native	-
Cyperaceae	Carex pellita	Native	4
Cyperaceae	Carex pelocarpa	Native	7
Cyperaceae	Carex petasata	Native	4
Cyperaceae	Carex petricosa	Native	-
Cyperaceae	Carex phaeocephala	Native	-
Cyperaceae	Carex plectocarpa	Native	-
Cyperaceae	Carex podocarpa	Native	7
Cyperaceae	Carex praeceptorum	Native	7
Cyperaceae	Carex praegracilis	Native	4
Cyperaceae	Carex prairea	Native	9
Cyperaceae	Carex praticola	Native	4
Cyperaceae	Carex preslii	Native	-
Cyperaceae	Carex pyrenaica	Native	7
Cyperaceae	Carex raynoldsii	Native	-
Cyperaceae	Carex retrorsa	Native	7
Cyperaceae	Carex rossii	Native	-
Cyperaceae	Carex rostrata	Native	9
Cyperaceae	Carex rupestris	Native	-
Cyperaceae	Carex sartwellii	Native	7
Cyperaceae	Carex saxatilis	Native	8
Cyperaceae	Carex saximontana	Native	-
Cyperaceae	Carex scirpoidea	Native	4
Cyperaceae	Carex scirpoidea ssp. pseudoscirpoidea	Native	-
Cyperaceae	Carex scirpoidea ssp. scirpoidea	Native	-
Cyperaceae	Carex scirpoidea ssp. stenochlaena	Native	-
Cyperaceae	Carex scoparia	Native	7
Cyperaceae	Carex scopulorum	Native	8
Cyperaceae	Carex scopulorum var. bracteosa	Native	-
Cyperaceae	Carex scopulorum var. prionophylla	Native	-
Cyperaceae	Carex siccata	Native	7
Cyperaceae	Carex simulata	Native	8
Cyperaceae	Carex spectabilis	Native	7
Cyperaceae	Carex sprengeii	Native	8
Cyperaceae	Carex stenoptila	Native	-
Cyperaceae	Carex stevenii	Native	8

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Cyperaceae	<i>Carex stipata</i>	Native	4
Cyperaceae	<i>Carex stramineiformis</i>	Unknown / Undetermined	-
Cyperaceae	<i>Carex sychnocephala</i>	Native	8
Cyperaceae	<i>Carex tahoensis</i>	Native	-
Cyperaceae	<i>Carex tenera</i>	Native	6
Cyperaceae	<i>Carex tenuiflora</i>	Native	10
Cyperaceae	<i>Carex torreyi</i>	Native	9
Cyperaceae	<i>Carex utriculata</i>	Native	3
Cyperaceae	<i>Carex vaginata</i>	Native	-
Cyperaceae	<i>Carex vallicola</i>	Native	4
Cyperaceae	<i>Carex vesicaria</i>	Native	5
Cyperaceae	<i>Carex viridula</i>	Native	8
Cyperaceae	<i>Carex vulpinoidea</i>	Native	6
Cyperaceae	<i>Carex xerantica</i>	Unknown / Undetermined	-
Apiaceae	<i>Carum carvi</i>	Exotic	0
Ericaceae	<i>Cassiope mertensiana</i>	Native	-
Ericaceae	<i>Cassiope tetragona</i>	Native	-
Orobanchaceae	<i>Castilleja angustifolia</i>	Native	-
Orobanchaceae	<i>Castilleja cervina</i>	Native	-
Orobanchaceae	<i>Castilleja covilleana</i>	Native	-
Orobanchaceae	<i>Castilleja crista-galli</i>	Native	-
Orobanchaceae	<i>Castilleja cusickii</i>	Native	-
Orobanchaceae	<i>Castilleja exilis</i>	Native	3
Orobanchaceae	<i>Castilleja flava</i>	Native	-
Orobanchaceae	<i>Castilleja flava</i> var. <i>flava</i>	Native	-
Orobanchaceae	<i>Castilleja flava</i> var. <i>rustica</i>	Native	-
Orobanchaceae	<i>Castilleja gracillima</i>	Native	7
Orobanchaceae	<i>Castilleja hispida</i>	Native	-
Orobanchaceae	<i>Castilleja kerryana</i>	Native	-
Orobanchaceae	<i>Castilleja linariifolia</i>	Native	-
Orobanchaceae	<i>Castilleja lutescens</i>	Native	-
Orobanchaceae	<i>Castilleja miniata</i>	Native	4
Orobanchaceae	<i>Castilleja nivea</i>	Native	-
Orobanchaceae	<i>Castilleja occidentalis</i>	Native	7
Orobanchaceae	<i>Castilleja pallescens</i>	Native	-
Orobanchaceae	<i>Castilleja pilosa</i>	Native	-
Orobanchaceae	<i>Castilleja pilosa</i> var. <i>longispica</i>	Native	-
Orobanchaceae	<i>Castilleja pulchella</i>	Native	-
Orobanchaceae	<i>Castilleja rhexiifolia</i>	Native	7
Orobanchaceae	<i>Castilleja sessiliflora</i>	Native	-
Orobanchaceae	<i>Castilleja sulphurea</i>	Native	7
Poaceae	<i>Catabrosa aquatica</i>	Native	3
Rhamnaceae	<i>Ceanothus herbaceus</i>	Native	-
Rhamnaceae	<i>Ceanothus sanguineus</i>	Native	-
Rhamnaceae	<i>Ceanothus velutinus</i>	Native	-
Celastraceae	<i>Celastrus scandens</i>	Native	-
Ulmaceae	<i>Celtis occidentalis</i>	Unknown / Undetermined	-
Poaceae	<i>Cenchrus longispinus</i>	Exotic	0
Asteraceae	<i>Centaurea cyanus</i>	Exotic	1

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Asteraceae	<i>Centaurea diffusa</i>	Exotic	0
Asteraceae	<i>Centaurea jacea</i>	Exotic	0
Asteraceae	<i>Centaurea montana</i>	Exotic	0
Asteraceae	<i>Centaurea nigra</i>	Exotic	0
Asteraceae	<i>Centaurea scabiosa</i>	Exotic	1
Asteraceae	<i>Centaurea solstitialis</i>	Exotic	0
Asteraceae	<i>Centaurea stoebe</i>	Exotic	0
Asteraceae	<i>Centaurea virgata</i>	Exotic	1
Gentianaceae	<i>Centaureum exaltatum</i>	Native	-
Myrsinaceae	<i>Centunculus minimus</i>	Native	-
Caryophyllaceae	<i>Cerastium arvense</i>	Native	-
Caryophyllaceae	<i>Cerastium beeringianum</i>	Native	4
Caryophyllaceae	<i>Cerastium brachypodum</i>	Native	4
Caryophyllaceae	<i>Cerastium dichotomum</i>	Exotic	1
Caryophyllaceae	<i>Cerastium fontanum</i>	Exotic	0
Caryophyllaceae	<i>Cerastium glomeratum</i>	Exotic	1
Caryophyllaceae	<i>Cerastium nutans</i>	Native	4
Caryophyllaceae	<i>Cerastium tomentosum</i>	Exotic	1
Ceratophyllaceae	<i>Ceratophyllum demersum</i>	Native	3
Rosaceae	<i>Cercocarpus ledifolius</i>	Native	-
Rosaceae	<i>Cercocarpus montanus</i>	Native	-
Asteraceae	<i>Chaenactis douglasii</i>	Native	-
Asteraceae	<i>Chaenactis douglasii</i> var. <i>alpina</i>	Native	-
Asteraceae	<i>Chaenactis douglasii</i> var. <i>douglasii</i>	Native	-
Plantaginaceae	<i>Chaenorhinum minus</i>	Exotic	1
Rosaceae	<i>Chamaerhodos erecta</i>	Unknown / Undetermined	-
Onagraceae	<i>Chamerion angustifolium</i>	Native	1
Onagraceae	<i>Chamerion latifolium</i>	Unknown / Undetermined	-
Pteridaceae	<i>Cheilanthes feei</i>	Native	-
Pteridaceae	<i>Cheilanthes gracillima</i>	Native	-
Papaveraceae	<i>Chelidonium majus</i>	Exotic	1
Amaranthaceae	<i>Chenopodium album</i>	Exotic	0
Amaranthaceae	<i>Chenopodium atrovirens</i>	Native	-
Amaranthaceae	<i>Chenopodium berlandieri</i>	Native	-
Amaranthaceae	<i>Chenopodium botrys</i>	Exotic	1
Amaranthaceae	<i>Chenopodium capitatum</i>	Native	-
Amaranthaceae	<i>Chenopodium capitatum</i> var. <i>capitatum</i>	Unknown / Undetermined	-
Amaranthaceae	<i>Chenopodium capitatum</i> var. <i>parvicapitatum</i>	Native	-
Amaranthaceae	<i>Chenopodium chenopodioides</i>	Native	3
Amaranthaceae	<i>Chenopodium desiccatum</i>	Native	-
Amaranthaceae	<i>Chenopodium fremontii</i>	Native	-
Amaranthaceae	<i>Chenopodium glaucum</i>	Native	4
Amaranthaceae	<i>Chenopodium glaucum</i> var. <i>glaucum</i>	Exotic	1
Amaranthaceae	<i>Chenopodium glaucum</i> var. <i>salinum</i>	Native	4
Amaranthaceae	<i>Chenopodium incanum</i>	Native	-
Amaranthaceae	<i>Chenopodium leptophyllum</i>	Native	-
Amaranthaceae	<i>Chenopodium murale</i>	Exotic	0
Amaranthaceae	<i>Chenopodium pratericola</i>	Native	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Amaranthaceae	Chenopodium rubrum	Native	3
Amaranthaceae	Chenopodium rubrum var. humile	Exotic	1
Amaranthaceae	Chenopodium rubrum var. rubrum	Native	3
Amaranthaceae	Chenopodium simplex	Native	-
Amaranthaceae	Chenopodium standleyanum	Unknown / Undetermined	-
Amaranthaceae	Chenopodium subglabrum	Native	-
Amaranthaceae	Chenopodium watsonii	Unknown / Undetermined	-
Ericaceae	Chimaphila menziesii	Native	-
Ericaceae	Chimaphila umbellata	Native	-
Plantaginaceae	Chionophila tweedyi	Native	-
Asteraceae	Chondrilla juncea	Exotic	0
Brassicaceae	Chorispora tenella	Exotic	0
Saxifragaceae	Chrysosplenium tetrandrum	Native	4
Asteraceae	Chrysothamnus viscidiflorus	Native	-
Asteraceae	Chrysothamnus viscidiflorus ssp. lanceolatus	Native	-
Asteraceae	Chrysothamnus viscidiflorus ssp. viscidiflorus	Native	-
Asteraceae	Cichorium intybus	Exotic	1
Apiaceae	Cicuta bulbifera	Native	7
Apiaceae	Cicuta douglasii	Native	4
Apiaceae	Cicuta maculata	Native	3
Poaceae	Cinna arundinacea	Native	-
Poaceae	Cinna latifolia	Native	5
Onagraceae	Circaea alpina	Native	5
Onagraceae	Circaea alpina ssp. alpina	Native	-
Onagraceae	Circaea alpina ssp. pacifica	Native	-
Asteraceae	Cirsium arvense	Exotic	0
Asteraceae	Cirsium brevistylum	Native	-
Asteraceae	Cirsium canescens	Native	-
Asteraceae	Cirsium canovirens	Native	-
Asteraceae	Cirsium eatonii	Native	-
Asteraceae	Cirsium flodmanii	Native	3
Asteraceae	Cirsium foliosum	Unknown / Undetermined	-
Asteraceae	Cirsium hookerianum	Native	-
Asteraceae	Cirsium longistylum	Native	-
Asteraceae	Cirsium pulcherrimum	Native	-
Asteraceae	Cirsium scariosum	Native	5
Asteraceae	Cirsium undulatum	Native	4
Asteraceae	Cirsium vulgare	Exotic	0
Portulacaceae	Cistanthe umbellata	Native	-
Onagraceae	Clarkia pulchella	Native	-
Onagraceae	Clarkia rhomboidea	Native	-
Portulacaceae	Claytonia arenicola	Native	-
Portulacaceae	Claytonia cordifolia	Native	5
Portulacaceae	Claytonia lanceolata	Native	4
Portulacaceae	Claytonia megarhiza	Native	-
Portulacaceae	Claytonia multiscapa	Native	4
Portulacaceae	Claytonia parviflora	Native	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Portulacaceae	Claytonia perfoliata	Native	2
Portulacaceae	Claytonia rubra	Native	-
Portulacaceae	Claytonia rubra ssp. depressa	Native	-
Portulacaceae	Claytonia rubra ssp. rubra	Native	-
Portulacaceae	Claytonia sibirica	Native	5
Ranunculaceae	Clematis columbiana	Native	-
Ranunculaceae	Clematis columbiana var. columbiana	Native	-
Ranunculaceae	Clematis columbiana var. tenuiloba	Native	-
Ranunculaceae	Clematis hirsutissima	Native	-
Ranunculaceae	Clematis ligusticifolia	Native	3
Ranunculaceae	Clematis occidentalis	Native	-
Cleomaceae	Cleome lutea	Native	-
Cleomaceae	Cleome serrulata	Native	-
Liliaceae	Clintonia uniflora	Native	-
Orchidaceae	Coeloglossum viride	Native	6
Plantaginaceae	Collinsia parviflora	Native	-
Polemoniaceae	Collomia debilis	Native	-
Polemoniaceae	Collomia debilis var. camporum	Native	-
Polemoniaceae	Collomia debilis var. debilis	Native	-
Polemoniaceae	Collomia grandiflora	Native	-
Polemoniaceae	Collomia linearis	Native	3
Polemoniaceae	Collomia tinctoria	Native	-
Santalaceae	Comandra umbellata	Native	-
Rosaceae	Comarum palustre	Native	7
Saxifragaceae	Conimitella williamsii	Native	-
Apiaceae	Conioselinum scopulorum	Unknown / Undetermined	-
Apiaceae	Conium maculatum	Exotic	0
Brassicaceae	Conringia orientalis	Exotic	1
Convolvulaceae	Convolvulus arvensis	Exotic	0
Asteraceae	Conyza canadensis	Native	-
Ranunculaceae	Coptis occidentalis	Native	-
Orchidaceae	Corallorhiza maculata	Native	-
Orchidaceae	Corallorhiza maculata var. maculata	Native	-
Orchidaceae	Corallorhiza maculata var. occidentalis	Native	-
Orchidaceae	Corallorhiza mertensiana	Native	-
Orchidaceae	Corallorhiza striata	Native	-
Orchidaceae	Corallorhiza trifida	Native	8
Orchidaceae	Corallorhiza wisteriana	Native	9
Orobanchaceae	Cordylanthus capitatus	Unknown / Undetermined	-
Orobanchaceae	Cordylanthus ramosus	Native	6
Asteraceae	Coreopsis tinctoria	Native	6
Amaranthaceae	Corispermum americanum	Native	-
Amaranthaceae	Corispermum villosum	Unknown / Undetermined	-
Cornaceae	Cornus canadensis	Native	7
Cornaceae	Cornus sericea	Native	5
Fabaceae	Coronilla varia	Exotic	1
Fumariaceae	Corydalis aurea	Native	-
Fumariaceae	Corydalis sempervirens	Native	-
Cactaceae	Coryphantha missouriensis	Native	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Cactaceae	<i>Coryphantha vivipara</i>	Native	-
Rosaceae	<i>Crataegus castlegarensis</i>	Native	-
Rosaceae	<i>Crataegus chrysocarpa</i>	Native	-
Rosaceae	<i>Crataegus douglasii</i>	Native	5
Rosaceae	<i>Crataegus macracantha</i>	Native	-
Rosaceae	<i>Crataegus monogyna</i>	Exotic	1
Rosaceae	<i>Crataegus okanaganensis</i>	Native	-
Rosaceae	<i>Crataegus suksdorfii</i>	Native	-
Rosaceae	<i>Crataegus williamsii</i>	Native	-
Asteraceae	<i>Crepis acuminata</i>	Native	-
Asteraceae	<i>Crepis atribarba</i>	Native	-
Asteraceae	<i>Crepis elegans</i>	Native	-
Asteraceae	<i>Crepis intermedia</i>	Native	-
Asteraceae	<i>Crepis modocensis</i>	Native	-
Asteraceae	<i>Crepis nana</i>	Native	-
Asteraceae	<i>Crepis occidentalis</i>	Native	-
Asteraceae	<i>Crepis runcinata</i>	Native	5
Asteraceae	<i>Crepis runcinata</i> ssp. <i>glauca</i>	Native	-
Asteraceae	<i>Crepis runcinata</i> ssp. <i>hispidulosa</i>	Native	-
Asteraceae	<i>Crepis runcinata</i> ssp. <i>runcinata</i>	Native	-
Asteraceae	<i>Crepis setosa</i>	Exotic	1
Asteraceae	<i>Crepis tectorum</i>	Exotic	0
Poaceae	<i>Crypsis alopecuroides</i>	Exotic	1
Boraginaceae	<i>Cryptantha affinis</i>	Native	-
Boraginaceae	<i>Cryptantha ambigua</i>	Native	-
Boraginaceae	<i>Cryptantha cana</i>	Native	-
Boraginaceae	<i>Cryptantha celosioides</i>	Native	-
Boraginaceae	<i>Cryptantha cinerea</i>	Unknown / Undetermined	-
Boraginaceae	<i>Cryptantha fendleri</i>	Native	-
Boraginaceae	<i>Cryptantha flavoculata</i>	Native	-
Boraginaceae	<i>Cryptantha humilis</i>	Native	-
Boraginaceae	<i>Cryptantha kelseyana</i>	Native	-
Boraginaceae	<i>Cryptantha minima</i>	Native	-
Boraginaceae	<i>Cryptantha scoparia</i>	Native	-
Boraginaceae	<i>Cryptantha sobolifera</i>	Native	-
Boraginaceae	<i>Cryptantha spiculifera</i>	Native	-
Boraginaceae	<i>Cryptantha torreyana</i>	Native	-
Boraginaceae	<i>Cryptantha watsonii</i>	Native	-
Pteridaceae	<i>Cryptogramma acrostichoides</i>	Native	-
Pteridaceae	<i>Cryptogramma cascadenis</i>	Native	-
Pteridaceae	<i>Cryptogramma stelleri</i>	Native	-
Cuscutaceae	<i>Cuscuta approximata</i>	Exotic	1
Cuscutaceae	<i>Cuscuta coryli</i>	Unknown / Undetermined	-
Cuscutaceae	<i>Cuscuta epithymum</i>	Exotic	1
Cuscutaceae	<i>Cuscuta gronovii</i>	Unknown / Undetermined	-
Cuscutaceae	<i>Cuscuta indecora</i>	Unknown / Undetermined	-
Cuscutaceae	<i>Cuscuta megalocarpa</i>	Unknown / Undetermined	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Cuscutaceae	Cuscuta pentagona	Unknown / Undetermined	-
Amaranthaceae	Cycloloma atriplicifolium	Unknown / Undetermined	-
Apiaceae	Cymopterus acaulis	Native	-
Apiaceae	Cymopterus glaucus	Native	-
Apiaceae	Cymopterus hendersonii	Native	-
Apiaceae	Cymopterus longilobus	Native	-
Apiaceae	Cymopterus nivalis	Native	-
Apiaceae	Cymopterus terebinthinus	Native	-
Apiaceae	Cymopterus terebinthinus var. albiflorus	Native	-
Apiaceae	Cymopterus terebinthinus var. foeniculaceus	Native	-
Poaceae	Cynodon dactylon	Exotic	1
Boraginaceae	Cynoglossum officinale	Exotic	0
Poaceae	Cynosurus cristatus	Exotic	1
Poaceae	Cynosurus echinatus	Exotic	1
Cyperaceae	Cyperus acuminatus	Native	4
Cyperaceae	Cyperus bipartitus	Native	4
Cyperaceae	Cyperus erythrorhizos	Native	4
Cyperaceae	Cyperus schweinitzii	Native	8
Cyperaceae	Cyperus squarrosus	Native	4
Cyperaceae	Cyperus strigosus	Native	4
Orchidaceae	Cypripedium fasciculatum	Native	7
Orchidaceae	Cypripedium montanum	Native	8
Orchidaceae	Cypripedium parviflorum	Native	9
Orchidaceae	Cypripedium passerinum	Native	10
Orchidaceae	Cypripedium x columbianum	Native	-
Dryopteridaceae	Cystopteris fragilis	Native	-
Dryopteridaceae	Cystopteris montana	Native	10
Fabaceae	Cytisus scoparius	Exotic	0
Poaceae	Dactylis glomerata	Exotic	0
Fabaceae	Dalea candida	Native	-
Fabaceae	Dalea enneandra	Native	-
Fabaceae	Dalea purpurea	Native	-
Fabaceae	Dalea villosa	Native	-
Alismataceae	Damasonium californicum	Native	-
Poaceae	Danthonia californica	Native	4
Poaceae	Danthonia intermedia	Native	5
Poaceae	Danthonia parryi	Native	-
Poaceae	Danthonia spicata	Native	-
Poaceae	Danthonia unispicata	Native	-
Thymelaeaceae	Daphne mezereum	Exotic	1
Solanaceae	Datura stramonium	Exotic	1
Apiaceae	Daucus carota	Exotic	1
Ranunculaceae	Delphinium ajacis	Exotic	1
Ranunculaceae	Delphinium andersonii	Unknown / Undetermined	-
Ranunculaceae	Delphinium bicolor	Native	-
Ranunculaceae	Delphinium bicolor ssp. bicolor	Native	-
Ranunculaceae	Delphinium bicolor ssp. calcicola	Native	-
Ranunculaceae	Delphinium burkei	Native	-



FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Ranunculaceae	<i>Delphinium depauperatum</i>	Native	7
Ranunculaceae	<i>Delphinium geyeri</i>	Unknown / Undetermined	-
Ranunculaceae	<i>Delphinium glaucescens</i>	Native	-
Ranunculaceae	<i>Delphinium glaucum</i>	Native	6
Ranunculaceae	<i>Delphinium nuttallianum</i>	Native	4
Ranunculaceae	<i>Delphinium occidentale</i>	Native	-
Poaceae	<i>Deschampsia cespitosa</i>	Native	7
Poaceae	<i>Deschampsia danthonioides</i>	Native	5
Poaceae	<i>Deschampsia elongata</i>	Native	4
Brassicaceae	<i>Descurainia incana</i>	Native	-
Brassicaceae	<i>Descurainia incana</i> var. <i>incana</i>	Native	-
Brassicaceae	<i>Descurainia incana</i> var. <i>macrosperma</i>	Native	-
Brassicaceae	<i>Descurainia incana</i> var. <i>viscosa</i>	Native	-
Brassicaceae	<i>Descurainia pinnata</i>	Native	-
Brassicaceae	<i>Descurainia pinnata</i> var. <i>brachycarpa</i>	Native	-
Brassicaceae	<i>Descurainia pinnata</i> var. <i>filipes</i>	Native	-
Brassicaceae	<i>Descurainia pinnata</i> var. <i>intermedia</i>	Native	-
Brassicaceae	<i>Descurainia pinnata</i> var. <i>nelsonii</i>	Native	-
Brassicaceae	<i>Descurainia sophia</i>	Exotic	0
Brassicaceae	<i>Descurainia torulosa</i>	Native	-
Caryophyllaceae	<i>Dianthus armeria</i>	Exotic	0
Caryophyllaceae	<i>Dianthus barbatus</i>	Exotic	1
Caryophyllaceae	<i>Dianthus deltoides</i>	Exotic	1
Fumariaceae	<i>Dicentra uniflora</i>	Native	-
Poaceae	<i>Dichanthelium acuminatum</i>	Native	9
Poaceae	<i>Dichanthelium oligosanthes</i> var. <i>scribnerianum</i>	Native	-
Poaceae	<i>Dichanthelium wilcoxianum</i>	Native	-
Plantaginaceae	<i>Digitalis purpurea</i>	Exotic	1
Poaceae	<i>Digitaria ischaemum</i>	Exotic	1
Poaceae	<i>Digitaria sanguinalis</i>	Exotic	1
Brassicaceae	<i>Diploaxis muralis</i>	Exotic	1
Dipsacaceae	<i>Dipsacus fullonum</i>	Exotic	0
Poaceae	<i>Distichlis spicata</i>	Native	5
Primulaceae	<i>Dodecatheon conjugens</i>	Native	-
Primulaceae	<i>Dodecatheon jeffreyi</i>	Native	7
Primulaceae	<i>Dodecatheon pulchellum</i>	Native	5
Primulaceae	<i>Douglasia conservatorum</i>	Native	-
Primulaceae	<i>Douglasia montana</i>	Native	-
Campanulaceae	<i>Downingia laeta</i>	Native	9
Brassicaceae	<i>Draba albertina</i>	Native	4
Brassicaceae	<i>Draba aurea</i>	Native	7
Brassicaceae	<i>Draba brachycarpa</i>	Native	-
Brassicaceae	<i>Draba calcifuga</i>	Native	-
Brassicaceae	<i>Draba cana</i>	Native	-
Brassicaceae	<i>Draba crassa</i>	Native	-
Brassicaceae	<i>Draba crassifolia</i>	Native	-
Brassicaceae	<i>Draba daviesiae</i>	Native	-
Brassicaceae	<i>Draba densifolia</i>	Native	-
Brassicaceae	<i>Draba fladnizensis</i>	Native	-
Brassicaceae	<i>Draba globosa</i>	Native	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Brassicaceae	<i>Draba incerta</i>	Native	-
Brassicaceae	<i>Draba lonchocarpa</i>	Native	-
Brassicaceae	<i>Draba macounii</i>	Native	-
Brassicaceae	<i>Draba nemorosa</i>	Native	2
Brassicaceae	<i>Draba oligosperma</i>	Native	-
Brassicaceae	<i>Draba paysonii</i>	Native	-
Brassicaceae	<i>Draba paysonii</i> var. <i>paysonii</i>	Native	-
Brassicaceae	<i>Draba paysonii</i> var. <i>treleasii</i>	Native	-
Brassicaceae	<i>Draba porsildii</i>	Native	-
Brassicaceae	<i>Draba praealta</i>	Native	4
Brassicaceae	<i>Draba reptans</i>	Native	-
Brassicaceae	<i>Draba stenoloba</i>	Native	4
Brassicaceae	<i>Draba ventosa</i>	Native	-
Brassicaceae	<i>Draba verna</i>	Exotic	0
Lamiaceae	<i>Dracocephalum parviflorum</i>	Native	-
Lamiaceae	<i>Dracocephalum thymiflorum</i>	Exotic	1
Droseraceae	<i>Drosera anglica</i>	Native	10
Droseraceae	<i>Drosera linearis</i>	Native	10
Droseraceae	<i>Drosera rotundifolia</i>	Native	10
Rosaceae	<i>Dryas drummondii</i>	Native	-
Rosaceae	<i>Dryas integrifolia</i>	Native	-
Rosaceae	<i>Dryas octopetala</i>	Native	5
Rosaceae	<i>Drymocallis arguta</i>	Native	-
Rosaceae	<i>Drymocallis fissa</i>	Native	-
Rosaceae	<i>Drymocallis glandulosa</i>	Native	6
Dryopteridaceae	<i>Dryopteris carthusiana</i>	Native	7
Dryopteridaceae	<i>Dryopteris cristata</i>	Native	9
Dryopteridaceae	<i>Dryopteris expansa</i>	Native	8
Dryopteridaceae	<i>Dryopteris filix-mas</i>	Native	-
Cyperaceae	<i>Dulichium arundinaceum</i>	Native	9
Asteraceae	<i>Dyssodia papposa</i>	Native	-
Asteraceae	<i>Echinacea angustifolia</i>	Native	-
Poaceae	<i>Echinochloa crus-galli</i>	Exotic	0
Poaceae	<i>Echinochloa muricata</i>	Native	1
Cucurbitaceae	<i>Echinocystis lobata</i>	Native	5
Boraginaceae	<i>Echium vulgare</i>	Exotic	0
Elaeagnaceae	<i>Elaeagnus angustifolia</i>	Exotic	0
Elaeagnaceae	<i>Elaeagnus commutata</i>	Native	-
Elatinaceae	<i>Elatine brachysperma</i>	Native	6
Elatinaceae	<i>Elatine californica</i>	Native	6
Elatinaceae	<i>Elatine rubella</i>	Native	6
Elatinaceae	<i>Elatine triandra</i>	Native	6
Cyperaceae	<i>Eleocharis acicularis</i>	Native	4
Cyperaceae	<i>Eleocharis atropurpurea</i>	Unknown / Undetermined	-
Cyperaceae	<i>Eleocharis bella</i>	Native	4
Cyperaceae	<i>Eleocharis elliptica</i>	Unknown / Undetermined	-
Cyperaceae	<i>Eleocharis flavescens</i>	Unknown / Undetermined	-
Cyperaceae	<i>Eleocharis ovata</i>	Native	-
Cyperaceae	<i>Eleocharis palustris</i>	Native	4

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Cyperaceae	<i>Eleocharis quinqueflora</i>	Native	7
Cyperaceae	<i>Eleocharis rostellata</i>	Native	9
Poaceae	<i>Eleusine indica</i>	Exotic	1
Hydrophyllaceae	<i>Ellisia nyctelea</i>	Native	-
Hydrocharitaceae	<i>Elodea bifoliata</i>	Native	8
Hydrocharitaceae	<i>Elodea canadensis</i>	Native	7
Hydrocharitaceae	<i>Elodea nuttallii</i>	Native	4
Poaceae	<i>Elymus albicans</i>	Native	-
Poaceae	<i>Elymus angustus</i>	Exotic	-
Poaceae	<i>Elymus canadensis</i>	Native	5
Poaceae	<i>Elymus cinereus</i>	Native	5
Poaceae	<i>Elymus condensatus</i>	Exotic	-
Poaceae	<i>Elymus elymoides</i>	Native	-
Poaceae	<i>Elymus flavescens</i>	Native	-
Poaceae	<i>Elymus glaucus</i>	Native	5
Poaceae	<i>Elymus hispidus</i>	Exotic	1
Poaceae	<i>Elymus innovatus</i>	Native	-
Poaceae	<i>Elymus junceus</i>	Exotic	1
Poaceae	<i>Elymus lanceolatus</i>	Native	-
Poaceae	<i>Elymus repens</i>	Exotic	0
Poaceae	<i>Elymus scribneri</i>	Native	-
Poaceae	<i>Elymus smithii</i>	Native	3
Poaceae	<i>Elymus spicatus</i>	Native	-
Poaceae	<i>Elymus submuticus</i>	Native	6
Poaceae	<i>Elymus trachycaulus</i>	Native	5
Poaceae	<i>Elymus triticoides</i>	Native	3
Poaceae	<i>Elymus virginicus</i>	Unknown / Undetermined	-
Onagraceae	<i>Epilobium anagallidifolium</i>	Native	5
Onagraceae	<i>Epilobium brachycarpum</i>	Native	-
Onagraceae	<i>Epilobium ciliatum</i>	Native	3
Onagraceae	<i>Epilobium ciliatum</i> ssp. <i>ciliatum</i>	Native	3
Onagraceae	<i>Epilobium ciliatum</i> ssp. <i>glandulosum</i>	Native	-
Onagraceae	<i>Epilobium clavatum</i>	Native	-
Onagraceae	<i>Epilobium densiflorum</i>	Native	-
Onagraceae	<i>Epilobium glaberrimum</i>	Native	5
Onagraceae	<i>Epilobium halleanum</i>	Native	4
Onagraceae	<i>Epilobium hornemannii</i>	Native	4
Onagraceae	<i>Epilobium lactiflorum</i>	Native	4
Onagraceae	<i>Epilobium leptocarpum</i>	Native	-
Onagraceae	<i>Epilobium minutum</i>	Native	-
Onagraceae	<i>Epilobium oregonense</i>	Native	4
Onagraceae	<i>Epilobium palustre</i>	Native	7
Onagraceae	<i>Epilobium palustre</i> var. <i>gracile</i>	Native	-
Onagraceae	<i>Epilobium palustre</i> var. <i>palustre</i>	Native	-
Onagraceae	<i>Epilobium pygmaeum</i>	Native	4
Onagraceae	<i>Epilobium saximontanum</i>	Native	4
Onagraceae	<i>Epilobium suffruticosum</i>	Native	-
Orchidaceae	<i>Epipactis gigantea</i>	Native	8
Orchidaceae	<i>Epipactis helleborine</i>	Exotic	-
Equisetaceae	<i>Equisetum arvense</i>	Native	2
Equisetaceae	<i>Equisetum fluviatile</i>	Native	6

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Equisetaceae	Equisetum hyemale	Native	3
Equisetaceae	Equisetum laevigatum	Native	4
Equisetaceae	Equisetum palustre	Native	6
Equisetaceae	Equisetum pratense	Native	6
Equisetaceae	Equisetum scirpoides	Native	7
Equisetaceae	Equisetum sylvaticum	Native	5
Equisetaceae	Equisetum variegatum	Native	5
Equisetaceae	Equisetum x ferrissii	Native	-
Poaceae	Eragrostis cilianensis	Exotic	1
Poaceae	Eragrostis hypnoides	Native	4
Poaceae	Eragrostis minor	Exotic	1
Poaceae	Eragrostis pectinacea	Native	4
Poaceae	Eremopyrum triticeum	Exotic	1
Asteraceae	Ericameria discoidea	Native	-
Asteraceae	Ericameria discoidea var. discoidea	Native	-
Asteraceae	Ericameria discoidea var. linearis	Native	-
Asteraceae	Ericameria nana	Native	-
Asteraceae	Ericameria nauseosa	Native	2
Asteraceae	Ericameria nauseosa var. graveolens	Native	-
Asteraceae	Ericameria nauseosa var. nauseosa	Native	-
Asteraceae	Ericameria nauseosa var. oreophila	Native	-
Asteraceae	Ericameria nauseosa var. speciosa	Native	-
Asteraceae	Ericameria parryi var. montana	Native	-
Asteraceae	Ericameria suffruticosa	Native	-
Asteraceae	Erigeron acris	Native	5
Asteraceae	Erigeron acris ssp. debilis	Native	-
Asteraceae	Erigeron acris ssp. kamtschaticus	Native	-
Asteraceae	Erigeron allocotus	Native	-
Asteraceae	Erigeron asperugineus	Native	-
Asteraceae	Erigeron caespitosus	Native	-
Asteraceae	Erigeron compositus	Native	-
Asteraceae	Erigeron corymbosus	Native	-
Asteraceae	Erigeron coulteri	Native	6
Asteraceae	Erigeron divergens	Native	-
Asteraceae	Erigeron eatonii	Native	-
Asteraceae	Erigeron evermannii	Native	-
Asteraceae	Erigeron filifolius	Native	-
Asteraceae	Erigeron flabellifolius	Native	-
Asteraceae	Erigeron flagellaris	Native	3
Asteraceae	Erigeron formosissimus	Native	-
Asteraceae	Erigeron glabellus	Native	4
Asteraceae	Erigeron glabellus var. glabellus	Native	-
Asteraceae	Erigeron glabellus var. pubescens	Native	-
Asteraceae	Erigeron gracilis	Native	6
Asteraceae	Erigeron grandiflorus	Native	-
Asteraceae	Erigeron humilis	Native	8
Asteraceae	Erigeron lackschewitzii	Native	-
Asteraceae	Erigeron lanatus	Native	-
Asteraceae	Erigeron leiomerus	Native	-
Asteraceae	Erigeron linearis	Native	-
Asteraceae	Erigeron lonchophyllus	Native	4
Asteraceae	Erigeron ochroleucus	Native	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Asteraceae	<i>Erigeron ochroleucus</i> var. <i>ochroleucus</i>	Native	-
Asteraceae	<i>Erigeron ochroleucus</i> var. <i>scribneri</i>	Native	-
Asteraceae	<i>Erigeron parryi</i>	Native	-
Asteraceae	<i>Erigeron peregrinus</i>	Native	7
Asteraceae	<i>Erigeron philadelphicus</i>	Native	3
Asteraceae	<i>Erigeron pumilus</i>	Native	-
Asteraceae	<i>Erigeron radicans</i>	Native	-
Asteraceae	<i>Erigeron rydbergii</i>	Native	-
Asteraceae	<i>Erigeron simplex</i>	Native	-
Asteraceae	<i>Erigeron speciosus</i>	Native	-
Asteraceae	<i>Erigeron strigosus</i>	Native	-
Asteraceae	<i>Erigeron subtrinervis</i>	Native	-
Asteraceae	<i>Erigeron tener</i>	Native	-
Asteraceae	<i>Erigeron tweedyi</i>	Native	-
Asteraceae	<i>Erigeron ursinus</i>	Native	-
Polygonaceae	<i>Eriogonum androsaceum</i>	Native	-
Polygonaceae	<i>Eriogonum annuum</i>	Native	-
Polygonaceae	<i>Eriogonum brevicaulis</i> var. <i>canum</i>	Native	-
Polygonaceae	<i>Eriogonum caespitosum</i>	Native	-
Polygonaceae	<i>Eriogonum cernuum</i>	Native	-
Polygonaceae	<i>Eriogonum crosbyae</i>	Native	-
Polygonaceae	<i>Eriogonum effusum</i>	Unknown / Undetermined	-
Polygonaceae	<i>Eriogonum flavum</i>	Native	-
Polygonaceae	<i>Eriogonum flavum</i> var. <i>flavum</i>	Native	-
Polygonaceae	<i>Eriogonum flavum</i> var. <i>piperi</i>	Native	-
Polygonaceae	<i>Eriogonum heracleoides</i>	Native	-
Polygonaceae	<i>Eriogonum mancum</i>	Native	-
Polygonaceae	<i>Eriogonum microthecum</i>	Native	-
Polygonaceae	<i>Eriogonum microthecum</i> var. <i>laxiflorum</i>	Native	-
Polygonaceae	<i>Eriogonum microthecum</i> var. <i>simpsonii</i>	Native	-
Polygonaceae	<i>Eriogonum ovalifolium</i>	Native	-
Polygonaceae	<i>Eriogonum ovalifolium</i> var. <i>depressum</i>	Native	-
Polygonaceae	<i>Eriogonum ovalifolium</i> var. <i>ochroleucum</i>	Native	-
Polygonaceae	<i>Eriogonum ovalifolium</i> var. <i>ovalifolium</i>	Native	-
Polygonaceae	<i>Eriogonum ovalifolium</i> var. <i>pansum</i>	Native	-
Polygonaceae	<i>Eriogonum ovalifolium</i> var. <i>purpureum</i>	Native	-
Polygonaceae	<i>Eriogonum pauciflorum</i>	Native	-
Polygonaceae	<i>Eriogonum pyrolifolium</i>	Native	-
Polygonaceae	<i>Eriogonum salsuginosum</i>	Native	-
Polygonaceae	<i>Eriogonum soliceps</i>	Native	-
Polygonaceae	<i>Eriogonum strictum</i>	Native	-
Polygonaceae	<i>Eriogonum umbellatum</i>	Native	-
Polygonaceae	<i>Eriogonum umbellatum</i> var. <i>aureum</i>	Native	-
Polygonaceae	<i>Eriogonum umbellatum</i> var. <i>deserticum</i>	Native	-
Polygonaceae	<i>Eriogonum umbellatum</i> var. <i>dichrocephalum</i>	Native	-
Polygonaceae	<i>Eriogonum umbellatum</i> var. <i>ellipticum</i>	Native	-
Polygonaceae	<i>Eriogonum umbellatum</i> var. <i>majus</i>	Native	-
Polygonaceae	<i>Eriogonum umbellatum</i> var. <i>umbellatum</i>	Native	-
Polygonaceae	<i>Eriogonum visheri</i>	Native	-
Cyperaceae	<i>Eriophorum angustifolium</i>	Native	9

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Cyperaceae	Eriophorum callitrix	Native	10
Cyperaceae	Eriophorum chamissonis	Native	9
Cyperaceae	Eriophorum gracile	Native	10
Cyperaceae	Eriophorum scheuchzeri	Unknown / Undetermined	10
Cyperaceae	Eriophorum viridicarinatum	Native	10
Asteraceae	Eriophyllum lanatum	Native	-
Asteraceae	Eriophyllum lanatum var. integrifolium	Native	-
Asteraceae	Eriophyllum lanatum var. lanatum	Native	-
Boraginaceae	Eritrichium howardii	Native	-
Boraginaceae	Eritrichium nanum	Native	-
Geraniaceae	Erodium cicutarium	Exotic	0
Brassicaceae	Eruca vesicaria	Exotic	1
Brassicaceae	Erucastrum gallicum	Exotic	1
Brassicaceae	Erysimum asperum	Native	-
Brassicaceae	Erysimum capitatum	Native	-
Brassicaceae	Erysimum cheiranthoides	Native	-
Brassicaceae	Erysimum inconspicuum	Native	-
Brassicaceae	Erysimum repandum	Exotic	1
Liliaceae	Erythronium grandiflorum	Native	-
Liliaceae	Erythronium grandiflorum var. candidum	Native	-
Liliaceae	Erythronium grandiflorum var. grandiflorum	Native	-
Asteraceae	Eucephalus elegans	Native	-
Asteraceae	Eucephalus engelmannii	Native	-
Asteraceae	Eupatorium maculatum	Native	5
Euphorbiaceae	Euphorbia agraria	Exotic	1
Euphorbiaceae	Euphorbia brachycera	Native	-
Euphorbiaceae	Euphorbia cyparissias	Exotic	1
Euphorbiaceae	Euphorbia esula	Exotic	0
Euphorbiaceae	Euphorbia geyeri	Native	-
Euphorbiaceae	Euphorbia glyptosperma	Native	-
Euphorbiaceae	Euphorbia helioscopia	Exotic	1
Euphorbiaceae	Euphorbia hexagona	Unknown / Undetermined	-
Euphorbiaceae	Euphorbia marginata	Unknown / Undetermined	-
Euphorbiaceae	Euphorbia missurica	Native	-
Euphorbiaceae	Euphorbia oblongata	Exotic	0
Euphorbiaceae	Euphorbia peplus	Exotic	1
Euphorbiaceae	Euphorbia serpens	Native	3
Euphorbiaceae	Euphorbia serpyllifolia	Native	-
Euphorbiaceae	Euphorbia spathulata	Native	3
Euphorbiaceae	Euphorbia supina	Exotic	1
Orobanchaceae	Euphrasia subarctica	Native	-
Asteraceae	Eurybia conspicua	Native	-
Asteraceae	Eurybia glauca	Native	-
Asteraceae	Eurybia integrifolia	Native	-
Asteraceae	Eurybia merita	Native	-
Asteraceae	Eurybia sibirica	Native	5
Gentianaceae	Eustoma grandiflorum	Unknown / Undetermined	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Asteraceae	<i>Euthamia graminifolia</i>	Unknown / Undetermined	7
Asteraceae	<i>Euthamia occidentalis</i>	Native	7
Brassicaceae	<i>Eutrema salsugineum</i>	Unknown / Undetermined	-
Asteraceae	<i>Evax prolifera</i>	Unknown / Undetermined	-
Convolvulaceae	<i>Evolvulus nuttallianus</i>	Native	-
Poaceae	<i>Festuca baffinensis</i>	Native	-
Poaceae	<i>Festuca brachyphylla</i>	Native	-
Poaceae	<i>Festuca campestris</i>	Native	-
Poaceae	<i>Festuca hallii</i>	Native	-
Poaceae	<i>Festuca idahoensis</i>	Native	4
Poaceae	<i>Festuca minutiflora</i>	Native	-
Poaceae	<i>Festuca occidentalis</i>	Native	-
Poaceae	<i>Festuca ovina</i>	Exotic	1
Poaceae	<i>Festuca rubra</i>	Native/Naturalized	1
Poaceae	<i>Festuca saximontana</i>	Native	-
Poaceae	<i>Festuca subulata</i>	Native	7
Poaceae	<i>Festuca viridula</i>	Native	-
Poaceae	<i>Festuca viviparoidea</i>	Native	-
Asteraceae	<i>Filago arvensis</i>	Exotic	0
Limnanthaceae	<i>Floerkea proserpinacoides</i>	Native	4
Rosaceae	<i>Fragaria vesca</i>	Native	-
Rosaceae	<i>Fragaria virginiana</i>	Native	3
Rosaceae	<i>Fragaria virginiana ssp. glauca</i>	Native	-
Rosaceae	<i>Fragaria virginiana var. platypetala</i>	Native	-
Rhamnaceae	<i>Frangula purshiana</i>	Native	6
Gentianaceae	<i>Frasera albicaulis</i>	Native	-
Gentianaceae	<i>Frasera speciosa</i>	Native	-
Oleaceae	<i>Fraxinus pennsylvanica</i>	Native	4
Liliaceae	<i>Fritillaria atropurpurea</i>	Native	-
Liliaceae	<i>Fritillaria pudica</i>	Native	-
Fumariaceae	<i>Fumaria officinalis</i>	Exotic	1
Fumariaceae	<i>Fumaria vaillantii</i>	Exotic	1
Asteraceae	<i>Gaillardia aristata</i>	Native	-
Lamiaceae	<i>Galeopsis tetrahit</i>	Exotic	1
Asteraceae	<i>Galinsoga quadriradiata</i>	Exotic	1
Rubiaceae	<i>Galium aparine</i>	Native	-
Rubiaceae	<i>Galium bifolium</i>	Native	-
Rubiaceae	<i>Galium boreale</i>	Native	4
Rubiaceae	<i>Galium mexicanum</i>	Native	2
Rubiaceae	<i>Galium mollugo</i>	Exotic	1
Rubiaceae	<i>Galium palustre</i>	Unknown / Undetermined	5
Rubiaceae	<i>Galium pedemontanum</i>	Exotic	1
Rubiaceae	<i>Galium trifidum</i>	Native	6
Rubiaceae	<i>Galium trifidum ssp. columbianum</i>	Native	-
Rubiaceae	<i>Galium trifidum ssp. subbiflorum</i>	Native	-
Rubiaceae	<i>Galium trifidum ssp. trifidum</i>	Native	-
Rubiaceae	<i>Galium triflorum</i>	Native	6
Rubiaceae	<i>Galium verum</i>	Exotic	1

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Ericaceae	Gaultheria humifusa	Native	8
Ericaceae	Gaultheria ovatifolia	Native	8
Onagraceae	Gaura coccinea	Native	-
Onagraceae	Gaura parviflora	Native	-
Onagraceae	Gayophytum decipiens	Native	-
Onagraceae	Gayophytum diffusum	Native	-
Onagraceae	Gayophytum humile	Unknown / Undetermined	-
Onagraceae	Gayophytum racemosum	Native	4
Onagraceae	Gayophytum ramosissimum	Native	-
Gentianaceae	Gentiana affinis	Native	6
Gentianaceae	Gentiana algida	Native	9
Gentianaceae	Gentiana calycosa	Native	7
Gentianaceae	Gentiana fremontii	Native	7
Gentianaceae	Gentiana glauca	Native	10
Gentianaceae	Gentiana prostrata	Native	6
Gentianaceae	Gentianella amarella	Native	3
Gentianaceae	Gentianella propinqua	Native	10
Gentianaceae	Gentianella tenella	Native	6
Gentianaceae	Gentianopsis macounii	Native	-
Gentianaceae	Gentianopsis simplex	Native	9
Gentianaceae	Gentianopsis thermalis	Native	8
Santalaceae	Geocaulon lividum	Native	7
Geraniaceae	Geranium bicknellii	Native	-
Geraniaceae	Geranium carolinianum	Unknown / Undetermined	-
Geraniaceae	Geranium molle	Exotic	1
Geraniaceae	Geranium pusillum	Exotic	1
Geraniaceae	Geranium richardsonii	Native	5
Geraniaceae	Geranium robertianum	Exotic	1
Geraniaceae	Geranium viscosissimum	Native	4
Geraniaceae	Geranium viscosissimum var. incisum	Native	-
Geraniaceae	Geranium viscosissimum var. viscosissimum	Native	-
Rosaceae	Geum aleppicum	Native	6
Rosaceae	Geum canadense	Native	6
Rosaceae	Geum macrophyllum	Native	5
Rosaceae	Geum rivale	Native	7
Rosaceae	Geum rossii	Native	-
Rosaceae	Geum rossii var. rossii	Native	-
Rosaceae	Geum rossii var. turbinatum	Native	-
Rosaceae	Geum triflorum	Native	-
Polemoniaceae	Gilia leptomeria	Native	-
Polemoniaceae	Gilia tenerrima	Native	-
Polemoniaceae	Gilia tweedyi	Native	-
Campanulaceae	Githopsis specularioides	Native	-
Papaveraceae	Glaucium corniculatum	Exotic	1
Myrsinaceae	Glaux maritima	Native	5
Lamiaceae	Glechoma hederacea	Exotic	1
Crossosomataceae	Glossopetalon spinescens	Native	-
Poaceae	Glyceria borealis	Native	6
Poaceae	Glyceria elata	Native	6



FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Poaceae	<i>Glyceria grandis</i>	Native	7
Poaceae	<i>Glyceria striata</i>	Native	6
Fabaceae	<i>Glycyrrhiza lepidota</i>	Native	3
Asteraceae	<i>Gnaphalium macounii</i>	Native	-
Asteraceae	<i>Gnaphalium microcephalum</i>	Native	-
Asteraceae	<i>Gnaphalium palustre</i>	Native	3
Asteraceae	<i>Gnaphalium purpureum</i>	Unknown / Undetermined	-
Asteraceae	<i>Gnaphalium stramineum</i>	Native	3
Asteraceae	<i>Gnaphalium uliginosum</i>	Exotic	1
Orchidaceae	<i>Goodyera oblongifolia</i>	Native	-
Orchidaceae	<i>Goodyera repens</i>	Native	-
Plantaginaceae	<i>Gratiola ebracteata</i>	Native	8
Plantaginaceae	<i>Gratiola neglecta</i>	Native	8
Amaranthaceae	<i>Grayia spinosa</i>	Native	-
Asteraceae	<i>Grindelia howellii</i>	Native	2
Asteraceae	<i>Grindelia nana</i>	Native	3
Asteraceae	<i>Grindelia squarrosa</i>	Native	2
Asteraceae	<i>Gutierrezia sarothrae</i>	Native	-
Dryopteridaceae	<i>Gymnocarpium dryopteris</i>	Native	7
Polemoniaceae	<i>Gymnosteris parvula</i>	Native	3
Caryophyllaceae	<i>Gypsophila paniculata</i>	Exotic	0
Caryophyllaceae	<i>Gypsophila scorzonifolia</i>	Exotic	0
Boraginaceae	<i>Hackelia cinerea</i>	Native	-
Boraginaceae	<i>Hackelia deflexa</i>	Native	-
Boraginaceae	<i>Hackelia floribunda</i>	Native	-
Boraginaceae	<i>Hackelia micrantha</i>	Native	-
Boraginaceae	<i>Hackelia patens</i>	Native	-
Gentianaceae	<i>Halenia deflexa</i>	Native	4
Amaranthaceae	<i>Halogeton glomeratus</i>	Exotic	0
Lamiaceae	<i>Hedeoma drummondii</i>	Native	-
Lamiaceae	<i>Hedeoma hispida</i>	Native	-
Fabaceae	<i>Hedysarum alpinum</i>	Native	-
Fabaceae	<i>Hedysarum boreale</i>	Native	-
Fabaceae	<i>Hedysarum occidentale</i>	Native	-
Fabaceae	<i>Hedysarum sulphurescens</i>	Native	-
Asteraceae	<i>Helenium autumnale</i>	Native	6
Asteraceae	<i>Helenium hoopesii</i>	Unknown / Undetermined	-
Asteraceae	<i>Helianthella quinquenervis</i>	Native	4
Asteraceae	<i>Helianthella uniflora</i>	Native	-
Asteraceae	<i>Helianthus annuus</i>	Native	-
Asteraceae	<i>Helianthus maximiliani</i>	Native	-
Asteraceae	<i>Helianthus nuttallii</i>	Native	7
Asteraceae	<i>Helianthus pauciflorus</i>	Native	-
Asteraceae	<i>Helianthus petiolaris</i>	Native	-
Asteraceae	<i>Helianthus pumilus</i>	Unknown / Undetermined	-
Asteraceae	<i>Helianthus x laetiflorus</i>	Unknown / Undetermined	-
Poaceae	<i>Helictotrichon hookeri</i>	Native	-
Boraginaceae	<i>Heliotropium curassavicum</i>	Native	5

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Asteraceae	Helminthotheca echioides	Exotic	-
Liliaceae	Hemerocallis fulva	Exotic	1
Apiaceae	Heracleum lanatum	Native	5
Brassicaceae	Hesperis matronalis	Exotic	0
Hydrophyllaceae	Hesperochiron californicus	Native	-
Hydrophyllaceae	Hesperochiron pumilus	Native	9
Pontederiaceae	Heteranthera dubia	Native	7
Campanulaceae	Heterocodon rariflorum	Native	7
Asteraceae	Heterotheca villosa	Native	-
Asteraceae	Heterotheca villosa var. depressa	Unknown / Undetermined	-
Asteraceae	Heterotheca villosa var. foliosa	Native	-
Asteraceae	Heterotheca villosa var. minor	Native	-
Asteraceae	Heterotheca villosa var. villosa	Native	-
Saxifragaceae	Heuchera cylindrica	Native	-
Saxifragaceae	Heuchera cylindrica var. cylindrica	Native	-
Saxifragaceae	Heuchera cylindrica var. glabella	Native	-
Saxifragaceae	Heuchera grossulariifolia	Native	-
Saxifragaceae	Heuchera parvifolia	Native	-
Saxifragaceae	Heuchera richardsonii	Native	-
Malvaceae	Hibiscus trionum	Exotic	1
Asteraceae	Hieracium albiflorum	Native	-
Asteraceae	Hieracium aurantiacum	Exotic	0
Asteraceae	Hieracium caespitosum	Exotic	0
Asteraceae	Hieracium gracile	Native	-
Asteraceae	Hieracium praealtum	Exotic	0
Asteraceae	Hieracium scouleri	Native	-
Asteraceae	Hieracium scouleri var. albertinum	Native	-
Asteraceae	Hieracium scouleri var. griseum	Native	-
Asteraceae	Hieracium scouleri var. scouleri	Native	-
Asteraceae	Hieracium umbellatum	Native	-
Hippuridaceae	Hippuris vulgaris	Native	6
Poaceae	Holcus lanatus	Exotic	1
Rosaceae	Holodiscus discolor	Native	-
Caryophyllaceae	Holosteum umbellatum	Exotic	0
Poaceae	Hordeum brachyantherum	Native	5
Poaceae	Hordeum jubatum	Native	2
Poaceae	Hordeum marinum	Exotic	1
Poaceae	Hordeum murinum	Exotic	0
Poaceae	Hordeum pusillum	Native	-
Poaceae	Hordeum vulgare	Exotic	1
Rosaceae	Horkelia fusca	Native	-
Brassicaceae	Hornungia procumbens	Native	4
Campanulaceae	Howellia aquatilis	Native	9
Asteraceae	Hulsea algida	Native	-
Cannabaceae	Humulus lupulus	Exotic	1
Lycopodiaceae	Huperzia haleakalae	Native	-
Lycopodiaceae	Huperzia miyoshiana	Native	-
Lycopodiaceae	Huperzia occidentalis	Native	-
Hydrophyllaceae	Hydrophyllum capitatum	Native	-
Asteraceae	Hymenopappus filifolius	Native	-
Asteraceae	Hymenopappus filifolius var. luteus	Native	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Asteraceae	Hymenopappus filifolius var. polycephalus	Native	-
Asteraceae	Hymenoxys acaulis	Native	-
Asteraceae	Hymenoxys grandiflora	Native	-
Asteraceae	Hymenoxys richardsonii	Native	-
Asteraceae	Hymenoxys torreyana	Native	-
Solanaceae	Hyoscyamus niger	Exotic	0
Clusiaceae	Hypericum anagalloides	Native	7
Clusiaceae	Hypericum majus	Native	8
Clusiaceae	Hypericum perforatum	Exotic	0
Clusiaceae	Hypericum scouleri	Native	7
Clusiaceae	Hypericum scouleri ssp. nortoniae	Native	-
Clusiaceae	Hypericum scouleri ssp. scouleri	Native	-
Asteraceae	Hypochaeris radicata	Exotic	1
Lamiaceae	Hyssopus officinalis	Exotic	1
Brassicaceae	Idaho scapigera	Native	-
Malvaceae	Iliamna rivularis	Native	3
Balsaminaceae	Impatiens aurella	Native	3
Balsaminaceae	Impatiens ecalcarata	Native	3
Asteraceae	Ionactis alpina	Native	-
Asteraceae	Ionactis stenomeris	Native	-
Convolvulaceae	Ipomoea leptophylla	Native	-
Polemoniaceae	Ipomopsis aggregata	Native	-
Polemoniaceae	Ipomopsis congesta	Native	-
Polemoniaceae	Ipomopsis congesta ssp. congesta	Native	-
Polemoniaceae	Ipomopsis congesta ssp. crebrifolia	Native	-
Polemoniaceae	Ipomopsis congesta ssp. pseudotypica	Native	-
Polemoniaceae	Ipomopsis minutiflora	Native	-
Polemoniaceae	Ipomopsis pumila	Native	-
Polemoniaceae	Ipomopsis spicata	Native	-
Polemoniaceae	Ipomopsis spicata ssp. orchidacea	Native	-
Polemoniaceae	Ipomopsis spicata ssp. spicata	Native	-
Iridaceae	Iris missouriensis	Native	3
Iridaceae	Iris pseudacorus	Exotic	0
Brassicaceae	Isatis tinctoria	Exotic	0
Isoetaceae	Isoetes bolanderi	Native	7
Isoetaceae	Isoetes echinospora	Native	9
Isoetaceae	Isoetes howellii	Native	8
Isoetaceae	Isoetes occidentalis	Native	9
Asteraceae	Iva axillaris	Native	3
Asteraceae	Iva xanthifolia	Unknown / Undetermined	3
Rosaceae	Ivesia gordonii	Native	-
Rosaceae	Ivesia tweedyi	Unknown / Undetermined	-
Juncaceae	Juncus acuminatus	Native	5
Juncaceae	Juncus alpinoarticulatus	Native	7
Juncaceae	Juncus articulatus	Native	7
Juncaceae	Juncus balticus	Native	3
Juncaceae	Juncus biglumis	Native	9
Juncaceae	Juncus brachyphyllus	Unknown / Undetermined	-
Juncaceae	Juncus bufonius	Native	1

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Juncaceae	<i>Juncus castaneus</i>	Native	9
Juncaceae	<i>Juncus compressus</i>	Exotic	1
Juncaceae	<i>Juncus confusus</i>	Native	2
Juncaceae	<i>Juncus covillei</i>	Native	4
Juncaceae	<i>Juncus covillei</i> var. <i>covillei</i>	Native	-
Juncaceae	<i>Juncus covillei</i> var. <i>obtusatus</i>	Native	-
Juncaceae	<i>Juncus drummondii</i>	Native	7
Juncaceae	<i>Juncus dudleyi</i>	Native	3
Juncaceae	<i>Juncus effusus</i>	Native	6
Juncaceae	<i>Juncus ensifolius</i>	Native	4
Juncaceae	<i>Juncus filiformis</i>	Native	7
Juncaceae	<i>Juncus gerardii</i>	Exotic	1
Juncaceae	<i>Juncus hallii</i>	Native	6
Juncaceae	<i>Juncus interior</i>	Native	3
Juncaceae	<i>Juncus longistylis</i>	Native	5
Juncaceae	<i>Juncus mertensianus</i>	Native	7
Juncaceae	<i>Juncus nevadensis</i>	Native	8
Juncaceae	<i>Juncus nodosus</i>	Native	5
Juncaceae	<i>Juncus orthophyllus</i>	Unknown / Undetermined	-
Juncaceae	<i>Juncus parryi</i>	Native	7
Juncaceae	<i>Juncus regelii</i>	Unknown / Undetermined	-
Juncaceae	<i>Juncus tenuis</i>	Native	3
Juncaceae	<i>Juncus torreyi</i>	Native	5
Juncaceae	<i>Juncus triglumis</i>	Native	8
Juncaceae	<i>Juncus triglumis</i> var. <i>albescens</i>	Native	9
Juncaceae	<i>Juncus triglumis</i> var. <i>triglumis</i>	Native	8
Juncaceae	<i>Juncus tweedyi</i>	Unknown / Undetermined	-
Juncaceae	<i>Juncus vaseyi</i>	Unknown / Undetermined	-
Cupressaceae	<i>Juniperus communis</i>	Native	-
Cupressaceae	<i>Juniperus horizontalis</i>	Native	-
Cupressaceae	<i>Juniperus osteosperma</i>	Native	-
Cupressaceae	<i>Juniperus scopulorum</i>	Native	-
Ericaceae	<i>Kalmia microphylla</i>	Native	5
Rubiaceae	<i>Kelloggia galioides</i>	Native	-
Rosaceae	<i>Kelseyia uniflora</i>	Native	-
Dipsacaceae	<i>Knautia arvensis</i>	Exotic	0
Cyperaceae	<i>Kobresia myosuroides</i>	Native	7
Cyperaceae	<i>Kobresia sibirica</i>	Native	8
Cyperaceae	<i>Kobresia simpliciuscula</i>	Native	9
Amaranthaceae	<i>Kochia americana</i>	Native	4
Amaranthaceae	<i>Kochia scoparia</i>	Exotic	0
Poaceae	<i>Koeleria macrantha</i>	Native	-
Polygonaceae	<i>Koenigia islandica</i>	Native	10
Amaranthaceae	<i>Krascheninnikovia lanata</i>	Native	-
Asteraceae	<i>Lactuca biennis</i>	Unknown / Undetermined	3
Asteraceae	<i>Lactuca canadensis</i>	Unknown / Undetermined	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Asteraceae	Lactuca ludoviciana	Native	3
Asteraceae	Lactuca serriola	Exotic	0
Asteraceae	Lactuca tatarica	Native	4
Asteraceae	Lagophylla ramosissima	Native	-
Lamiaceae	Lamium amplexicaule	Exotic	1
Lamiaceae	Lamium purpureum	Exotic	1
Boraginaceae	Lappula cenchrusoides	Unknown / Undetermined	-
Boraginaceae	Lappula occidentalis	Unknown / Undetermined	-
Boraginaceae	Lappula squarrosa	Exotic	1
Asteraceae	Lapsana communis	Exotic	1
Pinaceae	Larix lyallii	Native	-
Pinaceae	Larix occidentalis	Native	-
Fabaceae	Lathyrus bijugatus	Native	-
Fabaceae	Lathyrus latifolius	Exotic	1
Fabaceae	Lathyrus ochroleucus	Native	-
Fabaceae	Lathyrus sylvestris	Exotic	1
Fabaceae	Lathyrus tuberosus	Exotic	1
Ericaceae	Ledum glandulosum	Native	7
Poaceae	Leersia oryzoides	Native	8
Lemnaceae	Lemna minor	Native	2
Lemnaceae	Lemna trisulca	Native	5
Lemnaceae	Lemna turionifera	Native	2
Lemnaceae	Lemna valdiviana	Native	-
Lamiaceae	Leonurus cardiaca	Exotic	0
Brassicaceae	Lepidium appelianum	Exotic	0
Brassicaceae	Lepidium campestre	Exotic	0
Brassicaceae	Lepidium chalepense	Exotic	0
Brassicaceae	Lepidium densiflorum	Native	3
Brassicaceae	Lepidium densiflorum var. densiflorum	Native	-
Brassicaceae	Lepidium densiflorum var. pubecarpum	Native	-
Brassicaceae	Lepidium densiflorum var. ramosum	Native	-
Brassicaceae	Lepidium draba	Exotic	0
Brassicaceae	Lepidium latifolium	Exotic	0
Brassicaceae	Lepidium montanum	Native	-
Brassicaceae	Lepidium perfoliatum	Exotic	0
Brassicaceae	Lepidium ramosissimum	Native	-
Brassicaceae	Lepidium ramosissimum var. bourgeuanum	Native	-
Brassicaceae	Lepidium ramosissimum var. ramosissimum	Native	-
Brassicaceae	Lepidium sativum	Exotic	1
Brassicaceae	Lepidium virginicum	Exotic	1
Brassicaceae	Lepidium virginicum var. medium	Native	-
Brassicaceae	Lepidium virginicum var. pubescens	Native	-
Saxifragaceae	Leptarrhena pyrolifolia	Native	8
Poaceae	Leptochloa fusca	Exotic	1
Polemoniaceae	Leptodactylon caespitosum	Native	-
Polemoniaceae	Leptodactylon pungens	Native	-
Asteraceae	Leucanthemum vulgare	Exotic	0
Liliaceae	Leucocrinum montanum	Native	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Poaceae	Leucopoa kingii	Native	-
Portulacaceae	Lewisia columbiana	Native	-
Portulacaceae	Lewisia pygmaea	Native	-
Portulacaceae	Lewisia rediviva	Native	-
Portulacaceae	Lewisia triphylla	Native	-
Asteraceae	Liatris ligulistylis	Native	4
Asteraceae	Liatris punctata	Native	-
Apiaceae	Ligusticum canbyi	Native	6
Apiaceae	Ligusticum filicinum	Native	-
Apiaceae	Ligusticum tenuifolium	Native	7
Apiaceae	Ligusticum verticillatum	Native	6
Juncaginaceae	Lilaea scilloides	Native	6
Liliaceae	Lilium columbianum	Native	-
Liliaceae	Lilium philadelphicum	Native	9
Plantaginaceae	Limosella aquatica	Native	4
Polemoniaceae	Linanthes nuttallii	Native	5
Polemoniaceae	Linanthus septentrionalis	Native	-
Plantaginaceae	Linaria dalmatica	Exotic	0
Plantaginaceae	Linaria vulgaris	Exotic	0
Caprifoliaceae	Linnaea borealis	Native	-
Linaceae	Linum australe	Native	-
Linaceae	Linum lewisii	Native	-
Linaceae	Linum rigidum	Native	-
Linaceae	Linum rigidum var. compactum	Native	-
Linaceae	Linum rigidum var. rigidum	Native	-
Linaceae	Linum usitatissimum	Exotic	1
Orchidaceae	Liparis loeselii	Native	10
Cyperaceae	Lipocarpa micrantha	Native	-
Orchidaceae	Listera borealis	Native	9
Orchidaceae	Listera caurina	Native	7
Orchidaceae	Listera convallarioides	Native	8
Orchidaceae	Listera cordata	Native	7
Saxifragaceae	Lithophragma glabrum	Native	-
Saxifragaceae	Lithophragma parviflorum	Native	-
Saxifragaceae	Lithophragma tenellum	Native	-
Boraginaceae	Lithospermum arvense	Exotic	0
Boraginaceae	Lithospermum incisum	Native	-
Boraginaceae	Lithospermum ruderale	Native	-
Liliaceae	Lloydia serotina	Native	7
Campanulaceae	Lobelia kalmii	Native	5
Campanulaceae	Lobelia spicata	Native	7
Brassicaceae	Lobularia maritima	Exotic	1
Poaceae	Lolium multiflorum	Exotic	1
Poaceae	Lolium perenne	Exotic	1
Poaceae	Lolium persicum	Exotic	1
Poaceae	Lolium temulentum	Exotic	1
Apiaceae	Lomatium ambiguum	Native	-
Apiaceae	Lomatium attenuatum	Native	-
Apiaceae	Lomatium bicolor	Native	-
Apiaceae	Lomatium cous	Native	-
Apiaceae	Lomatium cusickii	Native	-
Apiaceae	Lomatium dissectum	Native	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Apiaceae	<i>Lomatium foeniculaceum</i>	Native	-
Apiaceae	<i>Lomatium geyeri</i>	Native	-
Apiaceae	<i>Lomatium macrocarpum</i>	Native	-
Apiaceae	<i>Lomatium nuttallii</i>	Native	-
Apiaceae	<i>Lomatium orientale</i>	Native	-
Apiaceae	<i>Lomatium sandbergii</i>	Native	-
Apiaceae	<i>Lomatium triternatum</i>	Native	-
Apiaceae	<i>Lomatium triternatum</i> var. <i>anomalum</i>	Native	-
Apiaceae	<i>Lomatium triternatum</i> var. <i>platycarpum</i>	Native	-
Apiaceae	<i>Lomatium triternatum</i> var. <i>triternatum</i>	Native	-
Gentianaceae	<i>Lomatogonium rotatum</i>	Native	6
Caprifoliaceae	<i>Lonicera caerulea</i>	Native	8
Caprifoliaceae	<i>Lonicera ciliosa</i>	Native	-
Caprifoliaceae	<i>Lonicera involucrata</i>	Native	5
Caprifoliaceae	<i>Lonicera morrowii</i>	Exotic	1
Caprifoliaceae	<i>Lonicera tatarica</i>	Exotic	1
Caprifoliaceae	<i>Lonicera utahensis</i>	Native	4
Asteraceae	<i>Lorandersonia linifolia</i>	Native	-
Fabaceae	<i>Lotus corniculatus</i>	Exotic	1
Fabaceae	<i>Lotus tenuis</i>	Exotic	1
Fabaceae	<i>Lotus unifoliolatus</i>	Native	-
Rosaceae	<i>Luetkea pectinata</i>	Native	-
Fabaceae	<i>Lupinus arbustus</i>	Native	-
Fabaceae	<i>Lupinus argenteus</i>	Native	-
Fabaceae	<i>Lupinus argenteus</i> var. <i>argentatus</i>	Native	-
Fabaceae	<i>Lupinus argenteus</i> var. <i>argenteus</i>	Native	-
Fabaceae	<i>Lupinus argenteus</i> var. <i>depressus</i>	Native	-
Fabaceae	<i>Lupinus argenteus</i> var. <i>parviflorus</i>	Native	-
Fabaceae	<i>Lupinus argenteus</i> var. <i>rubricaulis</i>	Native	-
Fabaceae	<i>Lupinus caudatus</i>	Unknown / Undetermined	-
Fabaceae	<i>Lupinus lepidus</i>	Native	-
Fabaceae	<i>Lupinus lepidus</i> var. <i>utahensis</i>	Unknown / Undetermined	5
Fabaceae	<i>Lupinus leucophyllus</i>	Native	-
Fabaceae	<i>Lupinus polyphyllus</i>	Native	6
Fabaceae	<i>Lupinus polyphyllus</i> var. <i>burkei</i>	Native	-
Fabaceae	<i>Lupinus polyphyllus</i> var. <i>humicola</i>	Native	-
Fabaceae	<i>Lupinus polyphyllus</i> var. <i>prunophilus</i>	Native	-
Fabaceae	<i>Lupinus pusillus</i>	Native	-
Fabaceae	<i>Lupinus sericeus</i>	Native	-
Juncaceae	<i>Luzula arcuata</i>	Native	-
Juncaceae	<i>Luzula divaricata</i>	Native	-
Juncaceae	<i>Luzula hitchcockii</i>	Native	-
Juncaceae	<i>Luzula multiflora</i>	Native	4
Juncaceae	<i>Luzula parviflora</i>	Native	7
Juncaceae	<i>Luzula piperi</i>	Native	8
Juncaceae	<i>Luzula spicata</i>	Native	-
Solanaceae	<i>Lycium barbarum</i>	Exotic	1
Lycopodiaceae	<i>Lycopodium alpinum</i>	Native	9
Lycopodiaceae	<i>Lycopodium annotinum</i>	Native	6
Lycopodiaceae	<i>Lycopodium clavatum</i>	Native	10

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Lycopodiaceae	<i>Lycopodium complanatum</i>	Native	7
Lycopodiaceae	<i>Lycopodium dendroideum</i>	Native	5
Lycopodiaceae	<i>Lycopodium inundatum</i>	Native	10
Lycopodiaceae	<i>Lycopodium lagopus</i>	Native	-
Lycopodiaceae	<i>Lycopodium sitchense</i>	Native	-
Lamiaceae	<i>Lycopus americanus</i>	Native	8
Lamiaceae	<i>Lycopus asper</i>	Native	6
Lamiaceae	<i>Lycopus uniflorus</i>	Native	9
Asteraceae	<i>Lygodesmia juncea</i>	Native	-
Araceae	<i>Lysichiton americanus</i>	Native	8
Myrsinaceae	<i>Lysimachia ciliata</i>	Native	7
Myrsinaceae	<i>Lysimachia thyrsoiflora</i>	Native	8
Lythraceae	<i>Lythrum alatum</i>	Unknown / Undetermined	-
Lythraceae	<i>Lythrum salicaria</i>	Exotic	0
Asteraceae	<i>Machaeranthera canescens</i>	Native	3
Asteraceae	<i>Machaeranthera tanacetifolia</i>	Native	-
Asteraceae	<i>Madia exigua</i>	Native	-
Asteraceae	<i>Madia glomerata</i>	Native	-
Asteraceae	<i>Madia gracilis</i>	Unknown / Undetermined	-
Asteraceae	<i>Madia minima</i>	Native	-
Liliaceae	<i>Maianthemum canadense</i>	Native	-
Liliaceae	<i>Maianthemum trifolium</i>	Unknown / Undetermined	-
Asteraceae	<i>Malacothrix torreyi</i>	Native	-
Brassicaceae	<i>Malcolmia africana</i>	Exotic	0
Rosaceae	<i>Malus sylvestris</i>	Exotic	1
Malvaceae	<i>Malva moschata</i>	Exotic	1
Malvaceae	<i>Malva neglecta</i>	Exotic	1
Malvaceae	<i>Malva parviflora</i>	Exotic	1
Lamiaceae	<i>Marrubium vulgare</i>	Exotic	0
Marsileaceae	<i>Marsilea oligospora</i>	Unknown / Undetermined	-
Marsileaceae	<i>Marsilea vestita</i>	Native	4
Asteraceae	<i>Matricaria discoidea</i>	Exotic	0
Fabaceae	<i>Medicago falcata</i>	Exotic	1
Fabaceae	<i>Medicago lupulina</i>	Exotic	0
Fabaceae	<i>Medicago polymorpha</i>	Exotic	1
Fabaceae	<i>Medicago sativa</i>	Exotic	0
Orobanchaceae	<i>Melampyrum lineare</i>	Native	6
Poaceae	<i>Melica bulbosa</i>	Native	-
Poaceae	<i>Melica smithii</i>	Native	-
Poaceae	<i>Melica spectabilis</i>	Native	7
Poaceae	<i>Melica subulata</i>	Native	-
Fabaceae	<i>Melilotus albus</i>	Exotic	0
Fabaceae	<i>Melilotus officinalis</i>	Exotic	0
Lamiaceae	<i>Mentha arvensis</i>	Native	3
Lamiaceae	<i>Mentha spicata</i>	Exotic	1
Loasaceae	<i>Mentzelia albicaulis</i>	Native	-
Loasaceae	<i>Mentzelia decapetala</i>	Native	-
Loasaceae	<i>Mentzelia dispersa</i>	Native	-



FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Loasaceae	Mentzelia laevicaulis	Native	-
Loasaceae	Mentzelia nuda	Native	-
Loasaceae	Mentzelia pumila	Native	-
Menyanthaceae	Menyanthes trifoliata	Native	9
Ericaceae	Menziesia ferruginea	Native	-
Boraginaceae	Mertensia alpina	Native	-
Boraginaceae	Mertensia bella	Native	6
Boraginaceae	Mertensia ciliata	Native	6
Boraginaceae	Mertensia lanceolata	Native	-
Boraginaceae	Mertensia longiflora	Native	-
Boraginaceae	Mertensia oblongifolia	Native	-
Boraginaceae	Mertensia paniculata	Native	7
Saxifragaceae	Micranthes apetala	Native	-
Saxifragaceae	Micranthes ferruginea	Native	8
Saxifragaceae	Micranthes idahoensis	Native	7
Saxifragaceae	Micranthes lyallii	Native	7
Saxifragaceae	Micranthes nidifica	Native	7
Saxifragaceae	Micranthes nivalis	Native	-
Saxifragaceae	Micranthes occidentalis	Native	6
Saxifragaceae	Micranthes odontoloma	Native	7
Saxifragaceae	Micranthes oregana	Native	6
Saxifragaceae	Micranthes rhomboidea	Native	7
Saxifragaceae	Micranthes subapetala	Native	-
Saxifragaceae	Micranthes tempestiva	Native	-
Asteraceae	Microseris nutans	Native	-
Polemoniaceae	Microsteris gracilis	Native	-
Phrymaceae	Mimulus ampliatus	Native	7
Phrymaceae	Mimulus breviplorus	Native	3
Phrymaceae	Mimulus breweri	Native	-
Phrymaceae	Mimulus clivicola	Native	-
Phrymaceae	Mimulus floribundus	Native	3
Phrymaceae	Mimulus glabratus	Native	-
Phrymaceae	Mimulus guttatus	Native	5
Phrymaceae	Mimulus hymenophyllus	Native	-
Phrymaceae	Mimulus lewisii	Native	7
Phrymaceae	Mimulus moschatus	Native	3
Phrymaceae	Mimulus nanus	Native	-
Phrymaceae	Mimulus primuloides	Native	10
Phrymaceae	Mimulus ringens	Native	-
Phrymaceae	Mimulus suksdorfii	Native	4
Phrymaceae	Mimulus tilingii	Native	7
Caryophyllaceae	Minuartia austromontana	Native	-
Caryophyllaceae	Minuartia nuttallii	Native	-
Caryophyllaceae	Minuartia obtusiloba	Native	-
Caryophyllaceae	Minuartia rubella	Native	5
Nyctaginaceae	Mirabilis albida	Unknown / Undetermined	-
Nyctaginaceae	Mirabilis linearis	Native	-
Nyctaginaceae	Mirabilis nyctaginea	Native	-
Saxifragaceae	Mitella breweri	Native	7
Saxifragaceae	Mitella caulescens	Native	5
Saxifragaceae	Mitella nuda	Native	8

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Saxifragaceae	Mitella pentandra	Native	7
Saxifragaceae	Mitella stauropetala	Native	6
Saxifragaceae	Mitella trifida	Native	5
Caryophyllaceae	Moehringia lateriflora	Native	5
Caryophyllaceae	Moehringia macrophylla	Native	-
Molluginaceae	Mollugo verticillata	Exotic	1
Lamiaceae	Monarda fistulosa	Native	-
Ericaceae	Moneses uniflora	Native	8
Amaranthaceae	Monolepis nuttalliana	Native	1
Ericaceae	Monotropa hypopithys	Native	-
Ericaceae	Monotropa uniflora	Native	-
Portulacaceae	Montia chamissoi	Native	4
Portulacaceae	Montia dichotoma	Native	2
Portulacaceae	Montia linearis	Native	4
Portulacaceae	Montia parvifolia	Native	2
Poaceae	Muhlenbergia andina	Native	-
Poaceae	Muhlenbergia asperifolia	Native	7
Poaceae	Muhlenbergia cuspidata	Native	-
Poaceae	Muhlenbergia filiformis	Native	4
Poaceae	Muhlenbergia glomerata	Native	8
Poaceae	Muhlenbergia mexicana	Native	-
Poaceae	Muhlenbergia minutissima	Native	2
Poaceae	Muhlenbergia montana	Unknown / Undetermined	-
Poaceae	Muhlenbergia racemosa	Native	3
Poaceae	Muhlenbergia richardsonis	Native	4
Poaceae	Munroa squarrosa	Native	-
Apiaceae	Musineon divaricatum	Native	-
Apiaceae	Musineon vaginatum	Native	-
Asteraceae	Mycelis muralis	Exotic	1
Boraginaceae	Myosotis arvensis	Exotic	0
Boraginaceae	Myosotis asiatica	Native	7
Boraginaceae	Myosotis laxa	Native	4
Boraginaceae	Myosotis scorpioides	Exotic	0
Boraginaceae	Myosotis stricta	Exotic	0
Boraginaceae	Myosotis verna	Unknown / Undetermined	-
Ranunculaceae	Myosurus apetalus	Native	4
Ranunculaceae	Myosurus apetalus var. borealis	Native	-
Ranunculaceae	Myosurus apetalus var. montanus	Native	-
Ranunculaceae	Myosurus minimus	Native	4
Haloragaceae	Myriophyllum quitense	Native	4
Haloragaceae	Myriophyllum sibiricum	Native	3
Haloragaceae	Myriophyllum spicatum	Exotic	0
Haloragaceae	Myriophyllum verticillatum	Unknown / Undetermined	4
Najadaceae	Najas flexilis	Native	7
Najadaceae	Najas guadalupensis	Native	7
Hydrophyllaceae	Nama densum	Native	-
Polemoniaceae	Navarretia divaricata	Unknown / Undetermined	-
Polemoniaceae	Navarretia intertexta	Native	6

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Polemoniaceae	Navarretia intertexta ssp. propinqua	Native	-
Polemoniaceae	Navarretia saximontana	Native	4
Hydrophyllaceae	Nemophila breviflora	Native	-
Lamiaceae	Nepeta cataria	Exotic	0
Solanaceae	Nicotiana attenuata	Native	3
Brassicaceae	Noccaea fendleri	Native	-
Brassicaceae	Noccaea parviflora	Native	-
Asteraceae	Nothocalais cuspidata	Native	-
Asteraceae	Nothocalais nigrescens	Native	-
Asteraceae	Nothocalais troximoides	Native	-
Nymphaeaceae	Nuphar polysepala	Native	5
Nymphaeaceae	Nuphar variegata	Native	5
Plantaginaceae	Nuttallanthus texanus	Native	-
Nymphaeaceae	Nymphaea leibergii	Native	9
Nymphaeaceae	Nymphaea odorata	Exotic	0
Onagraceae	Oenothera albicaulis	Native	-
Onagraceae	Oenothera caespitosa	Native	-
Onagraceae	Oenothera elata	Unknown / Undetermined	-
Onagraceae	Oenothera flava	Native	2
Onagraceae	Oenothera nuttallii	Native	-
Onagraceae	Oenothera pallida ssp. pallida	Native	-
Onagraceae	Oenothera perennis	Unknown / Undetermined	-
Onagraceae	Oenothera villosa	Native	1
Fabaceae	Onobrychis viciifolia	Exotic	1
Asteraceae	Onopordum acanthium	Exotic	0
Boraginaceae	Onosmodium molle	Native	-
Ophioglossaceae	Ophioglossum pusillum	Native	4
Araliaceae	Oplopanax horridus	Native	7
Cactaceae	Opuntia fragilis	Native	-
Cactaceae	Opuntia polyacantha	Native	-
Asteraceae	Oreostemma alpigenum	Native	4
Lamiaceae	Origanum vulgare	Exotic	1
Orobanchaceae	Orobanche corymbosa	Native	-
Orobanchaceae	Orobanche fasciculata	Native	-
Orobanchaceae	Orobanche ludoviciana	Native	-
Orobanchaceae	Orobanche uniflora	Native	-
Apiaceae	Orogenia linearifolia	Native	-
Ericaceae	Orthilia secunda	Native	-
Orobanchaceae	Orthocarpus luteus	Native	-
Orobanchaceae	Orthocarpus tenuifolius	Native	-
Orobanchaceae	Orthocarpus tolmiei	Native	-
Poaceae	Oryzopsis asperifolia	Native	-
Poaceae	Oryzopsis contracta	Native	-
Poaceae	Oryzopsis exigua	Native	-
Poaceae	Oryzopsis hymenoides	Native	-
Poaceae	Oryzopsis micrantha	Native	-
Apiaceae	Osmorhiza berteroi	Native	4
Apiaceae	Osmorhiza depauperata	Native	-
Apiaceae	Osmorhiza longistylis	Native	6
Apiaceae	Osmorhiza occidentalis	Native	6

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Apiaceae	<i>Osmorhiza purpurea</i>	Native	6
Oxalidaceae	<i>Oxalis corniculata</i>	Exotic	1
Oxalidaceae	<i>Oxalis dillenii</i>	Unknown / Undetermined	-
Oxalidaceae	<i>Oxalis stricta</i>	Native	-
Polygonaceae	<i>Oxyria digyna</i>	Native	5
Fabaceae	<i>Oxytropis besseyi</i>	Native	-
Fabaceae	<i>Oxytropis besseyi</i> var. <i>argophylla</i>	Native	-
Fabaceae	<i>Oxytropis besseyi</i> var. <i>besseyi</i>	Native	-
Fabaceae	<i>Oxytropis besseyi</i> var. <i>fallax</i>	Native	-
Fabaceae	<i>Oxytropis besseyi</i> var. <i>ventosa</i>	Unknown / Undetermined	-
Fabaceae	<i>Oxytropis borealis</i>	Native	-
Fabaceae	<i>Oxytropis campestris</i>	Native	-
Fabaceae	<i>Oxytropis campestris</i> var. <i>columbiana</i>	Native	-
Fabaceae	<i>Oxytropis campestris</i> var. <i>cusickii</i>	Native	-
Fabaceae	<i>Oxytropis campestris</i> var. <i>gracilis</i>	Native	-
Fabaceae	<i>Oxytropis deflexa</i>	Native	-
Fabaceae	<i>Oxytropis deflexa</i> var. <i>foliolosa</i>	Native	-
Fabaceae	<i>Oxytropis deflexa</i> var. <i>sericea</i>	Native	-
Fabaceae	<i>Oxytropis lagopus</i>	Native	-
Fabaceae	<i>Oxytropis lagopus</i> var. <i>atropurpurea</i>	Native	-
Fabaceae	<i>Oxytropis lagopus</i> var. <i>conjugans</i>	Native	-
Fabaceae	<i>Oxytropis lagopus</i> var. <i>lagopus</i>	Native	-
Fabaceae	<i>Oxytropis lambertii</i>	Native	-
Fabaceae	<i>Oxytropis parryi</i>	Native	-
Fabaceae	<i>Oxytropis podocarpa</i>	Native	-
Fabaceae	<i>Oxytropis riparia</i>	Exotic	0
Fabaceae	<i>Oxytropis sericea</i>	Native	-
Fabaceae	<i>Oxytropis sericea</i> var. <i>sericea</i>	Native	-
Fabaceae	<i>Oxytropis sericea</i> var. <i>speciosa</i>	Native	-
Fabaceae	<i>Oxytropis splendens</i>	Native	3
Paeoniaceae	<i>Paeonia brownii</i>	Unknown / Undetermined	-
Poaceae	<i>Panicum capillare</i>	Native	1
Poaceae	<i>Panicum miliaceum</i>	Exotic	0
Poaceae	<i>Panicum virgatum</i>	Native	4
Papaveraceae	<i>Papaver argemone</i>	Exotic	1
Papaveraceae	<i>Papaver pygmaeum</i>	Native	-
Papaveraceae	<i>Papaver radicum</i> ssp. <i>kluanensis</i>	Native	-
Papaveraceae	<i>Papaver rhoeas</i>	Exotic	1
Papaveraceae	<i>Papaver somniferum</i>	Exotic	1
Urticaceae	<i>Parietaria pensylvanica</i>	Native	3
Saxifragaceae	<i>Parnassia fimbriata</i>	Native	7
Saxifragaceae	<i>Parnassia kotzebuei</i>	Native	9
Saxifragaceae	<i>Parnassia palustris</i>	Native	4
Saxifragaceae	<i>Parnassia palustris</i> var. <i>montanensis</i>	Native	-
Saxifragaceae	<i>Parnassia palustris</i> var. <i>parviflora</i>	Native	9
Caryophyllaceae	<i>Paronychia sessiliflora</i>	Native	-
Vitaceae	<i>Parthenocissus quinquefolia</i>	Exotic	1
Vitaceae	<i>Parthenocissus vitacea</i>	Native	4
Apiaceae	<i>Pastinaca sativa</i>	Exotic	0

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Celastraceae	<i>Paxistima myrsinites</i>	Native	-
Orobanchaceae	<i>Pedicularis bracteosa</i>	Native	-
Orobanchaceae	<i>Pedicularis bracteosa</i> var. <i>bracteosa</i>	Native	-
Orobanchaceae	<i>Pedicularis bracteosa</i> var. <i>canbyi</i>	Native	-
Orobanchaceae	<i>Pedicularis bracteosa</i> var. <i>paysoniana</i>	Native	-
Orobanchaceae	<i>Pedicularis contorta</i>	Native	-
Orobanchaceae	<i>Pedicularis contorta</i> var. <i>contorta</i>	Native	-
Orobanchaceae	<i>Pedicularis contorta</i> var. <i>ctenophora</i>	Native	-
Orobanchaceae	<i>Pedicularis contorta</i> var. <i>rubicunda</i>	Native	-
Orobanchaceae	<i>Pedicularis crenulata</i>	Native	6
Orobanchaceae	<i>Pedicularis cystopteridifolia</i>	Native	-
Orobanchaceae	<i>Pedicularis groenlandica</i>	Native	7
Orobanchaceae	<i>Pedicularis oederi</i>	Native	-
Orobanchaceae	<i>Pedicularis parryi</i>	Native	5
Orobanchaceae	<i>Pedicularis pulchella</i>	Native	-
Orobanchaceae	<i>Pedicularis racemosa</i>	Native	-
Cactaceae	<i>Pediocactus simpsonii</i>	Native	-
Fabaceae	<i>Pedimelum argophyllum</i>	Native	-
Fabaceae	<i>Pedimelum cuspidatum</i>	Unknown / Undetermined	-
Fabaceae	<i>Pedimelum esculentum</i>	Native	-
Fabaceae	<i>Pedimelum hypogaeum</i>	Native	-
Pteridaceae	<i>Pellaea breweri</i>	Native	-
Pteridaceae	<i>Pellaea glabella</i>	Native	-
Plantaginaceae	<i>Penstemon albertinus</i>	Native	-
Plantaginaceae	<i>Penstemon albidus</i>	Native	-
Plantaginaceae	<i>Penstemon angustifolius</i>	Native	-
Plantaginaceae	<i>Penstemon arenicola</i>	Unknown / Undetermined	-
Plantaginaceae	<i>Penstemon aridus</i>	Native	-
Plantaginaceae	<i>Penstemon attenuatus</i>	Native	5
Plantaginaceae	<i>Penstemon attenuatus</i> var. <i>attenuatus</i>	Native	-
Plantaginaceae	<i>Penstemon attenuatus</i> var. <i>pseudoprocerus</i>	Native	-
Plantaginaceae	<i>Penstemon caryi</i>	Native	-
Plantaginaceae	<i>Penstemon confertus</i>	Native	-
Plantaginaceae	<i>Penstemon cyaneus</i>	Native	-
Plantaginaceae	<i>Penstemon deustus</i>	Native	-
Plantaginaceae	<i>Penstemon diphyllus</i>	Native	-
Plantaginaceae	<i>Penstemon ellipticus</i>	Native	-
Plantaginaceae	<i>Penstemon eriantherus</i>	Native	-
Plantaginaceae	<i>Penstemon eriantherus</i> var. <i>cleburnei</i>	Unknown / Undetermined	-
Plantaginaceae	<i>Penstemon flavescens</i>	Native	-
Plantaginaceae	<i>Penstemon fruticosus</i>	Native	-
Plantaginaceae	<i>Penstemon glaber</i>	Native	-
Plantaginaceae	<i>Penstemon globosus</i>	Native	-
Plantaginaceae	<i>Penstemon gracilis</i>	Native	-
Plantaginaceae	<i>Penstemon grandiflorus</i>	Native	-
Plantaginaceae	<i>Penstemon humilis</i>	Native	-
Plantaginaceae	<i>Penstemon laricifolius</i>	Native	-
Plantaginaceae	<i>Penstemon lemhiensis</i>	Native	-
Plantaginaceae	<i>Penstemon lyallii</i>	Native	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Plantaginaceae	<i>Penstemon montanus</i>	Native	-
Plantaginaceae	<i>Penstemon nitidus</i>	Native	-
Plantaginaceae	<i>Penstemon nitidus</i> var. <i>nitidus</i>	Native	-
Plantaginaceae	<i>Penstemon nitidus</i> var. <i>polyphyllus</i>	Native	-
Plantaginaceae	<i>Penstemon payettensis</i>	Native	-
Plantaginaceae	<i>Penstemon procerus</i>	Native	5
Plantaginaceae	<i>Penstemon radicosus</i>	Native	-
Plantaginaceae	<i>Penstemon rydbergii</i>	Native	5
Plantaginaceae	<i>Penstemon whippleanus</i>	Native	-
Plantaginaceae	<i>Penstemon wilcoxii</i>	Native	-
Apiaceae	<i>Perideridia gairdneri</i>	Native	4
Asteraceae	<i>Petasites frigidus</i>	Native	8
Asteraceae	<i>Petasites frigidus</i> var. <i>frigidus</i>	Native	9
Asteraceae	<i>Petasites frigidus</i> var. <i>sagittatus</i>	Native	8
Rosaceae	<i>Petrophytum caespitosum</i>	Native	-
Hydrophyllaceae	<i>Phacelia bakeri</i>	Unknown / Undetermined	-
Hydrophyllaceae	<i>Phacelia franklinii</i>	Native	-
Hydrophyllaceae	<i>Phacelia glandulosa</i>	Native	-
Hydrophyllaceae	<i>Phacelia hastata</i>	Native	-
Hydrophyllaceae	<i>Phacelia heterophylla</i>	Native	3
Hydrophyllaceae	<i>Phacelia incana</i>	Native	-
Hydrophyllaceae	<i>Phacelia ivesiana</i>	Native	-
Hydrophyllaceae	<i>Phacelia linearis</i>	Native	-
Hydrophyllaceae	<i>Phacelia lyallii</i>	Native	-
Hydrophyllaceae	<i>Phacelia scopulina</i>	Native	-
Hydrophyllaceae	<i>Phacelia sericea</i>	Native	-
Hydrophyllaceae	<i>Phacelia thermalis</i>	Native	-
Poaceae	<i>Phalaris arundinacea</i>	Native/Exotic	0
Poaceae	<i>Phalaris canariensis</i>	Exotic	1
Thelypteridaceae	<i>Phegopteris connectilis</i>	Native	-
Hydrangeaceae	<i>Philadelphus lewisii</i>	Native	-
Poaceae	<i>Phippsia algida</i>	Native	10
Poaceae	<i>Phleum alpinum</i>	Native	7
Poaceae	<i>Phleum pratense</i>	Exotic	0
Polemoniaceae	<i>Phlox albomarginata</i>	Native	-
Polemoniaceae	<i>Phlox alyssifolia</i>	Native	-
Polemoniaceae	<i>Phlox andicola</i>	Native	-
Polemoniaceae	<i>Phlox austromontana</i>	Native	-
Polemoniaceae	<i>Phlox caespitosa</i>	Native	-
Polemoniaceae	<i>Phlox diffusa</i>	Native	-
Polemoniaceae	<i>Phlox hoodii</i>	Native	-
Polemoniaceae	<i>Phlox kelseyi</i>	Native	5
Polemoniaceae	<i>Phlox kelseyi</i> ssp. <i>kelseyi</i>	Native	-
Polemoniaceae	<i>Phlox kelseyi</i> var. <i>missoulensis</i>	Native	-
Polemoniaceae	<i>Phlox longifolia</i>	Native	-
Polemoniaceae	<i>Phlox multiflora</i>	Native	-
Polemoniaceae	<i>Phlox muscoides</i>	Native	-
Polemoniaceae	<i>Phlox pulvinata</i>	Native	-
Polemoniaceae	<i>Phlox speciosa</i>	Native	-
Poaceae	<i>Phragmites australis</i>	Native	4
Ericaceae	<i>Phyllodoce empetriformis</i>	Native	7

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Ericaceae	<i>Phyllodoce glanduliflora</i>	Native	7
Ericaceae	<i>Phyllodoce x intermedia</i>	Native	-
Solanaceae	<i>Physalis hederifolia</i>	Unknown / Undetermined	-
Solanaceae	<i>Physalis heterophylla</i>	Native	-
Solanaceae	<i>Physalis longifolia</i>	Native	-
Solanaceae	<i>Physalis pumila</i> ssp. <i>hispida</i>	Unknown / Undetermined	-
Brassicaceae	<i>Physaria acutifolia</i>	Native	-
Brassicaceae	<i>Physaria arenosa</i>	Native	-
Brassicaceae	<i>Physaria brassicoides</i>	Native	-
Brassicaceae	<i>Physaria carinata</i>	Native	-
Brassicaceae	<i>Physaria curvipes</i>	Native	-
Brassicaceae	<i>Physaria didymocarpa</i>	Native	-
Brassicaceae	<i>Physaria didymocarpa</i> var. <i>lanata</i>	Native	-
Brassicaceae	<i>Physaria douglasii</i>	Native	-
Brassicaceae	<i>Physaria eriocarpa</i>	Native	-
Brassicaceae	<i>Physaria geyeri</i>	Native	-
Brassicaceae	<i>Physaria humilis</i>	Native	-
Brassicaceae	<i>Physaria klausii</i>	Native	-
Brassicaceae	<i>Physaria lesicii</i>	Native	-
Brassicaceae	<i>Physaria ludoviciana</i>	Native	-
Brassicaceae	<i>Physaria pachyphylla</i>	Native	-
Brassicaceae	<i>Physaria pulchella</i>	Native	-
Brassicaceae	<i>Physaria pycnantha</i>	Native	-
Brassicaceae	<i>Physaria saximontana</i>	Native	-
Brassicaceae	<i>Physaria saximontana</i> var. <i>dentata</i>	Native	-
Brassicaceae	<i>Physaria spatulata</i>	Native	-
Rosaceae	<i>Physocarpus malvaceus</i>	Native	-
Rosaceae	<i>Physocarpus monogynus</i>	Native	-
Lamiaceae	<i>Physostegia parviflora</i>	Native	7
Pinaceae	<i>Picea engelmannii</i>	Native	4
Pinaceae	<i>Picea glauca</i>	Native	-
Asteraceae	<i>Picradeniopsis oppositifolia</i>	Native	-
Apiaceae	<i>Pimpinella saxifraga</i>	Exotic	1
Lentibulariaceae	<i>Pinguicula macroceras</i>	Native	9
Pinaceae	<i>Pinus albicaulis</i>	Native	-
Pinaceae	<i>Pinus contorta</i>	Native	3
Pinaceae	<i>Pinus flexilis</i>	Native	-
Pinaceae	<i>Pinus monticola</i>	Native	-
Pinaceae	<i>Pinus ponderosa</i>	Native	-
Orchidaceae	<i>Piperia elegans</i>	Native	-
Orchidaceae	<i>Piperia elongata</i>	Native	-
Orchidaceae	<i>Piperia unalascensis</i>	Native	6
Boraginaceae	<i>Plagiobothrys leptocladus</i>	Native	6
Boraginaceae	<i>Plagiobothrys scouleri</i>	Native	2
Boraginaceae	<i>Plagiobothrys stipitatus</i>	Unknown / Undetermined	-
Plantaginaceae	<i>Plantago canescens</i>	Native	-
Plantaginaceae	<i>Plantago elongata</i>	Native	3
Plantaginaceae	<i>Plantago eriopoda</i>	Native	7
Plantaginaceae	<i>Plantago hirtella</i>	Exotic	1

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Plantaginaceae	<i>Plantago lanceolata</i>	Exotic	1
Plantaginaceae	<i>Plantago major</i>	Exotic	1
Plantaginaceae	<i>Plantago patagonica</i>	Native	-
Plantaginaceae	<i>Plantago tweedyi</i>	Native	-
Orchidaceae	<i>Platanthera aquilonis</i>	Native	8
Orchidaceae	<i>Platanthera dilatata</i>	Native	5
Orchidaceae	<i>Platanthera huronensis</i>	Native	8
Orchidaceae	<i>Platanthera obtusata</i>	Native	10
Orchidaceae	<i>Platanthera orbiculata</i>	Native	9
Orchidaceae	<i>Platanthera stricta</i>	Native	7
Asteraceae	<i>Platyschkuhria integrifolia</i>	Native	-
Valerianaceae	<i>Plectritis macrocera</i>	Native	-
Asteraceae	<i>Pleiocanthus spinosus</i>	Native	-
Poaceae	<i>Poa abbreviata</i> ssp. <i>pattersonii</i>	Native	-
Poaceae	<i>Poa alpina</i>	Native	5
Poaceae	<i>Poa annua</i>	Exotic	1
Poaceae	<i>Poa arctica</i>	Native	4
Poaceae	<i>Poa arida</i>	Native	4
Poaceae	<i>Poa arnowiae</i>	Native	-
Poaceae	<i>Poa bulbosa</i>	Exotic	0
Poaceae	<i>Poa compressa</i>	Exotic	0
Poaceae	<i>Poa cusickii</i>	Native	-
Poaceae	<i>Poa fendleriana</i>	Native	-
Poaceae	<i>Poa glauca</i>	Native	-
Poaceae	<i>Poa interior</i>	Native	3
Poaceae	<i>Poa laxa</i> ssp. <i>banffiana</i>	Native	-
Poaceae	<i>Poa leptocoma</i>	Native	8
Poaceae	<i>Poa lettermanii</i>	Native	-
Poaceae	<i>Poa palustris</i>	Native/Exotic	3
Poaceae	<i>Poa pratensis</i>	Exotic	0
Poaceae	<i>Poa reflexa</i>	Native	3
Poaceae	<i>Poa secunda</i>	Native	3
Poaceae	<i>Poa stenantha</i>	Native	4
Poaceae	<i>Poa trivialis</i>	Exotic	1
Poaceae	<i>Poa wheeleri</i>	Native	-
Cleomaceae	<i>Polanisia dodecandra</i>	Native	-
Polemoniaceae	<i>Polemonium micranthum</i>	Native	-
Polemoniaceae	<i>Polemonium occidentale</i>	Native	6
Polemoniaceae	<i>Polemonium pulcherrimum</i>	Native	-
Polemoniaceae	<i>Polemonium viscosum</i>	Native	-
Polygalaceae	<i>Polygala alba</i>	Native	-
Polygalaceae	<i>Polygala verticillata</i>	Native	-
Polygonaceae	<i>Polygonum achoreum</i>	Native	-
Polygonaceae	<i>Polygonum amphibium</i>	Native	6
Polygonaceae	<i>Polygonum austinae</i>	Native	-
Polygonaceae	<i>Polygonum aviculare</i>	Exotic	0
Polygonaceae	<i>Polygonum bistortoides</i>	Native	6
Polygonaceae	<i>Polygonum convolvulus</i>	Exotic	0
Polygonaceae	<i>Polygonum cuspidatum</i>	Exotic	0
Polygonaceae	<i>Polygonum douglasii</i>	Native	3
Polygonaceae	<i>Polygonum engelmannii</i>	Native	-
Polygonaceae	<i>Polygonum erectum</i>	Native	2



FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Polygonaceae	<i>Polygonum hydropiper</i>	Exotic	1
Polygonaceae	<i>Polygonum lapathifolium</i>	Unknown / Undetermined	2
Polygonaceae	<i>Polygonum majus</i>	Native	-
Polygonaceae	<i>Polygonum minimum</i>	Native	5
Polygonaceae	<i>Polygonum pennsylvanicum</i>	Unknown / Undetermined	-
Polygonaceae	<i>Polygonum persicaria</i>	Exotic	1
Polygonaceae	<i>Polygonum phytolaccifolium</i>	Native	3
Polygonaceae	<i>Polygonum polygaloides</i>	Native	4
Polygonaceae	<i>Polygonum polygaloides</i> ssp. <i>confertiflorum</i>	Native	-
Polygonaceae	<i>Polygonum polygaloides</i> ssp. <i>kelloggii</i>	Native	-
Polygonaceae	<i>Polygonum punctatum</i>	Native	4
Polygonaceae	<i>Polygonum ramosissimum</i>	Unknown / Undetermined	-
Polygonaceae	<i>Polygonum sachalinense</i>	Exotic	-
Polygonaceae	<i>Polygonum sawatchense</i>	Native	-
Polygonaceae	<i>Polygonum spergulariiforme</i>	Native	-
Polygonaceae	<i>Polygonum viviparum</i>	Native	7
Polygonaceae	<i>Polygonum x bohemicum</i>	Exotic	0
Polypodiaceae	<i>Polypodium hesperium</i>	Native	-
Poaceae	<i>Polypogon monspeliensis</i>	Exotic	1
Dryopteridaceae	<i>Polystichum andersonii</i>	Native	-
Dryopteridaceae	<i>Polystichum kruckebergii</i>	Native	-
Dryopteridaceae	<i>Polystichum lonchitis</i>	Native	-
Dryopteridaceae	<i>Polystichum munitum</i>	Native	-
Dryopteridaceae	<i>Polystichum scopulinum</i>	Native	-
Salicaceae	<i>Populus alba</i>	Exotic	1
Salicaceae	<i>Populus angustifolia</i>	Native	5
Salicaceae	<i>Populus balsamifera</i>	Native	5
Salicaceae	<i>Populus deltoides</i>	Native	4
Salicaceae	<i>Populus tremuloides</i>	Native	5
Salicaceae	<i>Populus x acuminata</i>	Native	5
Salicaceae	<i>Populus x brayshawii</i>	Native	-
Portulacaceae	<i>Portulaca oleracea</i>	Exotic	1
Potamogetonaceae	<i>Potamogeton alpinus</i>	Native	7
Potamogetonaceae	<i>Potamogeton amplifolius</i>	Native	10
Potamogetonaceae	<i>Potamogeton crispus</i>	Exotic	0
Potamogetonaceae	<i>Potamogeton diversifolius</i>	Native	6
Potamogetonaceae	<i>Potamogeton epihydrus</i>	Native	7
Potamogetonaceae	<i>Potamogeton filiformis</i>	Native	6
Potamogetonaceae	<i>Potamogeton foliosus</i>	Native	6
Potamogetonaceae	<i>Potamogeton friesii</i>	Native	7
Potamogetonaceae	<i>Potamogeton gramineus</i>	Native	6
Potamogetonaceae	<i>Potamogeton illinoensis</i>	Native	6
Potamogetonaceae	<i>Potamogeton natans</i>	Native	6
Potamogetonaceae	<i>Potamogeton nodosus</i>	Native	6
Potamogetonaceae	<i>Potamogeton obtusifolius</i>	Native	8
Potamogetonaceae	<i>Potamogeton pectinatus</i>	Native	5
Potamogetonaceae	<i>Potamogeton praelongus</i>	Native	6
Potamogetonaceae	<i>Potamogeton pusillus</i>	Native	7

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Potamogetonaceae	Potamogeton richardsonii	Native	6
Potamogetonaceae	Potamogeton robbinsii	Native	7
Potamogetonaceae	Potamogeton strictifolius	Native	7
Potamogetonaceae	Potamogeton vaginatus	Native	7
Potamogetonaceae	Potamogeton zosteriformis	Native	9
Rosaceae	Potentilla argentea	Exotic	1
Rosaceae	Potentilla biennis	Native	4
Rosaceae	Potentilla bipinnatifida	Native	-
Rosaceae	Potentilla brevifolia	Native	-
Rosaceae	Potentilla concinna	Native	-
Rosaceae	Potentilla concinna var. concinna	Native	-
Rosaceae	Potentilla concinna var. divisa	Native	-
Rosaceae	Potentilla diversifolia	Native	6
Rosaceae	Potentilla diversifolia var. diversifolia	Native	-
Rosaceae	Potentilla diversifolia var. perdissecta	Native	-
Rosaceae	Potentilla drummondii	Native	-
Rosaceae	Potentilla flabellifolia	Native	8
Rosaceae	Potentilla fruticosa	Native	3
Rosaceae	Potentilla gracilis	Native	4
Rosaceae	Potentilla gracilis var. brunnescens	Native	-
Rosaceae	Potentilla gracilis var. elmeri	Native	-
Rosaceae	Potentilla gracilis var. fastigiata	Native	-
Rosaceae	Potentilla gracilis var. flabelliformis	Native	-
Rosaceae	Potentilla gracilis var. pulcherrima	Native	-
Rosaceae	Potentilla hippiana	Native	-
Rosaceae	Potentilla hookeriana	Native	-
Rosaceae	Potentilla hyparctica	Native	-
Rosaceae	Potentilla macounii	Native	-
Rosaceae	Potentilla multisecta	Native	-
Rosaceae	Potentilla nivea	Native	-
Rosaceae	Potentilla nivea var. pentaphylla	Native	-
Rosaceae	Potentilla norvegica	Unknown / Undetermined	2
Rosaceae	Potentilla ovina	Native	-
Rosaceae	Potentilla paradoxa	Native	5
Rosaceae	Potentilla pensylvanica	Native	-
Rosaceae	Potentilla plattensis	Native	6
Rosaceae	Potentilla recta	Exotic	0
Rosaceae	Potentilla rivalis	Native	4
Rosaceae	Potentilla rubricaulis	Native	-
Rosaceae	Potentilla uniflora	Native	-
Asteraceae	Prenanthes racemosa	Unknown / Undetermined	-
Asteraceae	Prenanthes sagittata	Native	-
Primulaceae	Primula alcalina	Native	6
Primulaceae	Primula incana	Native	5
Primulaceae	Primula parryi	Native	8
Liliaceae	Prosartes hookeri	Native	-
Liliaceae	Prosartes trachycarpa	Native	-
Lamiaceae	Prunella vulgaris	Native/Exotic	-
Lamiaceae	Prunella vulgaris ssp. lanceolata	Native	2
Lamiaceae	Prunella vulgaris ssp. vulgaris	Exotic	0

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Rosaceae	<i>Prunus americana</i>	Native	-
Rosaceae	<i>Prunus cerasus</i>	Exotic	1
Rosaceae	<i>Prunus emarginata</i>	Native	5
Rosaceae	<i>Prunus mahaleb</i>	Exotic	1
Rosaceae	<i>Prunus pensylvanica</i>	Native	-
Rosaceae	<i>Prunus pumila</i>	Native	-
Rosaceae	<i>Prunus virginiana</i>	Native	3
Pinaceae	<i>Pseudotsuga menziesii</i>	Native	-
Asteraceae	<i>Psilocarphus brevissimus</i>	Native	8
Asteraceae	<i>Psilocarphus elatior</i>	Unknown / Undetermined	-
Asteraceae	<i>Psilocarphus tenellus</i>	Unknown / Undetermined	-
Fabaceae	<i>Psoralidium lanceolatum</i>	Native	-
Fabaceae	<i>Psoralidium tenuiflorum</i>	Native	-
Dennstaedtiaceae	<i>Pteridium aquilinum</i>	Native	-
Ericaceae	<i>Pterospora andromedea</i>	Native	-
Poaceae	<i>Puccinellia distans</i>	Exotic	4
Poaceae	<i>Puccinellia lemmonii</i>	Native	7
Poaceae	<i>Puccinellia nuttalliana</i>	Native	6
Rosaceae	<i>Purshia tridentata</i>	Native	-
Ericaceae	<i>Pyrola asarifolia</i>	Native	6
Ericaceae	<i>Pyrola chlorantha</i>	Native	8
Ericaceae	<i>Pyrola elliptica</i>	Native	-
Ericaceae	<i>Pyrola minor</i>	Native	-
Ericaceae	<i>Pyrola picta</i>	Native	-
Asteraceae	<i>Pyrocoma carthamoides</i>	Native	-
Asteraceae	<i>Pyrocoma carthamoides</i> var. <i>carthamoides</i>	Native	-
Asteraceae	<i>Pyrocoma carthamoides</i> var. <i>subsquarrosa</i>	Native	-
Asteraceae	<i>Pyrocoma integrifolia</i>	Native	4
Asteraceae	<i>Pyrocoma lanceolata</i>	Native	4
Asteraceae	<i>Pyrocoma uniflora</i>	Native	6
Fagaceae	<i>Quercus macrocarpa</i>	Native	-
Ranunculaceae	<i>Ranunculus abortivus</i>	Native	3
Ranunculaceae	<i>Ranunculus acriformis</i>	Native	6
Ranunculaceae	<i>Ranunculus acris</i>	Exotic	0
Ranunculaceae	<i>Ranunculus adoneus</i>	Unknown / Undetermined	-
Ranunculaceae	<i>Ranunculus alismifolius</i>	Native	7
Ranunculaceae	<i>Ranunculus alismifolius</i> var. <i>alismellus</i>	Native	-
Ranunculaceae	<i>Ranunculus alismifolius</i> var. <i>alismifolius</i>	Native	-
Ranunculaceae	<i>Ranunculus alismifolius</i> var. <i>davisii</i>	Native	-
Ranunculaceae	<i>Ranunculus aquatilis</i>	Native	4
Ranunculaceae	<i>Ranunculus cardiophyllus</i>	Native	9
Ranunculaceae	<i>Ranunculus cymbalaria</i>	Native	3
Ranunculaceae	<i>Ranunculus eschscholtzii</i>	Native	7
Ranunculaceae	<i>Ranunculus eschscholtzii</i> var. <i>eschscholtzii</i>	Native	-
Ranunculaceae	<i>Ranunculus eschscholtzii</i> var. <i>eximius</i>	Native	-
Ranunculaceae	<i>Ranunculus eschscholtzii</i> var. <i>suksdorfii</i>	Native	-
Ranunculaceae	<i>Ranunculus flammula</i>	Native	4
Ranunculaceae	<i>Ranunculus glaberrimus</i>	Native	4
Ranunculaceae	<i>Ranunculus glaberrimus</i> var. <i>ellipticus</i>	Native	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Ranunculaceae	Ranunculus glaberrimus var. glaberrimus	Native	-
Ranunculaceae	Ranunculus gmelinii	Native	4
Ranunculaceae	Ranunculus grayi	Native	9
Ranunculaceae	Ranunculus hyperboreus	Native	9
Ranunculaceae	Ranunculus inamoenus	Native	6
Ranunculaceae	Ranunculus jovis	Native	4
Ranunculaceae	Ranunculus macounii	Native	5
Ranunculaceae	Ranunculus orthorhynchus	Native	8
Ranunculaceae	Ranunculus pedatifidus	Native	9
Ranunculaceae	Ranunculus pennsylvanicus	Native	4
Ranunculaceae	Ranunculus populago	Native	7
Ranunculaceae	Ranunculus pygmaeus	Native	9
Ranunculaceae	Ranunculus repens	Exotic	1
Ranunculaceae	Ranunculus rhomboideus	Unknown / Undetermined	-
Ranunculaceae	Ranunculus sceleratus	Native	4
Ranunculaceae	Ranunculus sulphureus	Native	-
Ranunculaceae	Ranunculus testiculatus	Exotic	0
Ranunculaceae	Ranunculus uncinatus	Native	2
Brassicaceae	Raphanus raphanistrum	Exotic	1
Brassicaceae	Raphanus sativus	Exotic	1
Asteraceae	Ratibida columnifera	Native	
Resedaceae	Reseda lutea	Exotic	1
Rhamnaceae	Rhamnus alnifolia	Native	4
Rhamnaceae	Rhamnus cathartica	Exotic	0
Orobanchaceae	Rhinanthus minor	Native	-
Ericaceae	Rhododendron albiflorum	Native	8
Anacardiaceae	Rhus glabra	Native	-
Anacardiaceae	Rhus trilobata	Native	-
Grossulariaceae	Ribes americanum	Native	6
Grossulariaceae	Ribes aureum	Native	5
Grossulariaceae	Ribes cereum	Native	-
Grossulariaceae	Ribes hudsonianum	Native	7
Grossulariaceae	Ribes inerme	Native	5
Grossulariaceae	Ribes lacustre	Native	6
Grossulariaceae	Ribes laxiflorum	Native	-
Grossulariaceae	Ribes montigenum	Native	-
Grossulariaceae	Ribes oxyacanthoides	Native	6
Grossulariaceae	Ribes oxyacanthoides ssp. hendersonii	Native	7
Grossulariaceae	Ribes oxyacanthoides ssp. irriguum	Native	4
Grossulariaceae	Ribes oxyacanthoides ssp. setosum	Native	3
Grossulariaceae	Ribes rubrum	Exotic	1
Grossulariaceae	Ribes triste	Native	7
Grossulariaceae	Ribes viscosissimum	Native	4
Fabaceae	Robinia pseudoacacia	Exotic	1
Hydrophyllaceae	Romanzoffia sitchensis	Native	10
Brassicaceae	Rorippa alpina	Native	4
Brassicaceae	Rorippa austriaca	Exotic	1
Brassicaceae	Rorippa calycina	Native	-
Brassicaceae	Rorippa curvipes	Native	4
Brassicaceae	Rorippa curvisiliqua	Native	4
Brassicaceae	Rorippa microphylla	Exotic	1

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Brassicaceae	Rorippa nasturtium-aquaticum	Exotic	0
Brassicaceae	Rorippa palustris	Native	4
Brassicaceae	Rorippa palustris ssp. hispida	Native	-
Brassicaceae	Rorippa palustris ssp. occidentalis	Native	-
Brassicaceae	Rorippa palustris var. fernaldiana	Native	-
Brassicaceae	Rorippa sinuata	Native	4
Brassicaceae	Rorippa sylvestris	Exotic	1
Brassicaceae	Rorippa tenerrima	Native	4
Brassicaceae	Rorippa truncata	Native	4
Rosaceae	Rosa acicularis	Native	-
Rosaceae	Rosa arkansana	Native	-
Rosaceae	Rosa blanda	Unknown / Undetermined	-
Rosaceae	Rosa gymnocarpa	Native	-
Rosaceae	Rosa nutkana	Native	5
Rosaceae	Rosa woodsii	Native	-
Lythraceae	Rotala ramosior	Native	3
Rosaceae	Rubus arcticus	Native	10
Rosaceae	Rubus discolor	Exotic	0
Rosaceae	Rubus idaeus	Native	-
Rosaceae	Rubus idaeus ssp. idaeus	Native	-
Rosaceae	Rubus idaeus ssp. strigosus	Native	-
Rosaceae	Rubus laciniatus	Exotic	1
Rosaceae	Rubus leucodermis	Native	5
Rosaceae	Rubus parviflorus	Native	3
Rosaceae	Rubus pedatus	Native	-
Rosaceae	Rubus pubescens	Native	7
Rosaceae	Rubus ursinus	Native	-
Asteraceae	Rudbeckia hirta	Unknown / Undetermined	-
Asteraceae	Rudbeckia laciniata	Native	5
Asteraceae	Rudbeckia occidentalis	Native	7
Polygonaceae	Rumex acetosa	Unknown / Undetermined	9
Polygonaceae	Rumex acetosella	Exotic	1
Polygonaceae	Rumex crispus	Exotic	1
Polygonaceae	Rumex fueginus	Native	6
Polygonaceae	Rumex hymenosepalus	Native	-
Polygonaceae	Rumex obtusifolius	Exotic	1
Polygonaceae	Rumex occidentalis	Native	4
Polygonaceae	Rumex patientia	Exotic	1
Polygonaceae	Rumex paucifolius	Native	4
Polygonaceae	Rumex salicifolius	Native	7
Polygonaceae	Rumex salicifolius var. montigenitus	Native	-
Polygonaceae	Rumex salicifolius var. triangulivalvis	Native	-
Polygonaceae	Rumex stenophyllus	Exotic	1
Polygonaceae	Rumex venosus	Native	3
Ruppiales	Ruppia maritima	Native	8
Caryophyllaceae	Sagina nivalis	Native	-
Caryophyllaceae	Sagina procumbens	Exotic	1
Caryophyllaceae	Sagina saginoides	Native	3
Alismataceae	Sagittaria cuneata	Native	7

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Alismataceae	Sagittaria latifolia	Native	7
Amaranthaceae	Salicornia rubra	Native	7
Salicaceae	Salix amygdaloides	Native	7
Salicaceae	Salix arctica	Native	7
Salicaceae	Salix barclayi	Native	8
Salicaceae	Salix barrattiana	Native	10
Salicaceae	Salix bebbiana	Native	4
Salicaceae	Salix boothii	Native	6
Salicaceae	Salix brachycarpa	Native	6
Salicaceae	Salix candida	Native	9
Salicaceae	Salix cascadenis	Native	-
Salicaceae	Salix commutata	Native	7
Salicaceae	Salix discolor	Native	4
Salicaceae	Salix drummondiana	Native	5
Salicaceae	Salix eastwoodiae	Native	7
Salicaceae	Salix eriocephala	Native	4
Salicaceae	Salix eriocephala var. famelica	Native	-
Salicaceae	Salix eriocephala var. mackenzieana	Native	7
Salicaceae	Salix eriocephala var. watsonii	Native	6
Salicaceae	Salix exigua	Native	4
Salicaceae	Salix exigua ssp. exigua	Native	-
Salicaceae	Salix exigua ssp. interior	Native	-
Salicaceae	Salix farriae	Native	7
Salicaceae	Salix fragilis	Exotic	0
Salicaceae	Salix geyeriana	Native	6
Salicaceae	Salix glauca	Native	7
Salicaceae	Salix lasiandra	Native	4
Salicaceae	Salix lasiandra var. caudata	Native	5
Salicaceae	Salix lasiandra var. lasiandra	Native	-
Salicaceae	Salix lemmonii	Native	6
Salicaceae	Salix melanopsis	Native	5
Salicaceae	Salix pentandra	Exotic	0
Salicaceae	Salix petiolaris	Unknown / Undetermined	-
Salicaceae	Salix planifolia	Native	7
Salicaceae	Salix pseudomonticola	Native	7
Salicaceae	Salix reticulata	Native	5
Salicaceae	Salix rotundifolia	Native	8
Salicaceae	Salix scouleriana	Native	4
Salicaceae	Salix serissima	Native	9
Salicaceae	Salix sitchensis	Native	8
Salicaceae	Salix tweedyi	Native	7
Salicaceae	Salix vestita	Native	7
Salicaceae	Salix wolfii	Native	7
Salicaceae	Salix wolfii var. idahoensis	Native	-
Salicaceae	Salix wolfii var. wolfii	Native	-
Amaranthaceae	Salsola collina	Exotic	1
Amaranthaceae	Salsola tragus	Exotic	0
Lamiaceae	Salvia nemorosa	Exotic	1
Lamiaceae	Salvia reflexa	Unknown / Undetermined	-
Lamiaceae	Salvia sclarea	Exotic	1

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Lamiaceae	Salvia x sylvestris	Exotic	1
Caprifoliaceae	Sambucus cerulea	Native	4
Caprifoliaceae	Sambucus racemosa	Native	-
Brassicaceae	Sandbergia perplexa	Native	-
Rosaceae	Sanguisorba annua	Native	-
Rosaceae	Sanguisorba minor	Exotic	1
Apiaceae	Sanicula graveolens	Native	-
Apiaceae	Sanicula marilandica	Native	5
Caryophyllaceae	Saponaria officinalis	Exotic	0
Sarcobataceae	Sarcobatus vermiculatus	Native	4
Lamiaceae	Satureja acinos	Exotic	1
Lamiaceae	Satureja douglasii	Native	-
Lamiaceae	Satureja vulgaris	Exotic	1
Asteraceae	Saussurea americana	Native	6
Asteraceae	Saussurea densa	Native	-
Asteraceae	Saussurea weberi	Native	-
Saxifragaceae	Saxifraga adscendens	Native	6
Saxifragaceae	Saxifraga bronchialis	Native	-
Saxifragaceae	Saxifraga cernua	Native	8
Saxifragaceae	Saxifraga cespitosa	Native	6
Saxifragaceae	Saxifraga chrysantha	Native	-
Saxifragaceae	Saxifraga flagellaris	Native	-
Saxifragaceae	Saxifraga hirculus	Native	-
Saxifragaceae	Saxifraga hyperborea	Native	-
Saxifragaceae	Saxifraga mertensiana	Native	7
Saxifragaceae	Saxifraga oppositifolia	Native	5
Saxifragaceae	Saxifraga rivularis	Native	8
Saxifragaceae	Saxifraga tolmiei	Native	7
Poaceae	Schedonnardus paniculatus	Native	-
Poaceae	Schedonorus arundinaceus	Exotic	0
Poaceae	Schedonorus pratensis	Exotic	0
Scheuchzeriaceae	Scheuchzeria palustris	Native	10
Poaceae	Schizachne purpurascens	Native	-
Poaceae	Schizachyrium scoparium	Native	-
Brassicaceae	Schoenocrambe linifolia	Native	-
Cyperaceae	Schoenoplectus acutus	Native	5
Cyperaceae	Schoenoplectus americanus	Native	6
Cyperaceae	Schoenoplectus fluviatilis		4
Cyperaceae	Schoenoplectus heterochaetus	Native	8
Cyperaceae	Schoenoplectus pungens	Native	6
Cyperaceae	Schoenoplectus subterminalis	Native	9
Cyperaceae	Schoenoplectus tabernaemontani	Native	6
Cyperaceae	Scirpus atrocinctus	Native	4
Cyperaceae	Scirpus atrovirens	Native	-
Cyperaceae	Scirpus cyperinus	Native	1
Cyperaceae	Scirpus microcarpus	Native	5
Cyperaceae	Scirpus pallidus	Native	4
Cyperaceae	Scirpus pendulus	Native	-
Caryophyllaceae	Scleranthus annuus	Exotic	1
Poaceae	Sclerochloa dura	Exotic	1
Poaceae	Scolochloa festucacea	Native	-
Asteraceae	Scorzonera laciniata	Exotic	0

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Scrophulariaceae	Scrophularia lanceolata	Native	4
Lamiaceae	Scutellaria galericulata	Native	6
Poaceae	Secale cereale	Exotic	1
Crassulaceae	Sedum acre	Exotic	1
Crassulaceae	Sedum borschii	Native	-
Crassulaceae	Sedum debile	Native	-
Crassulaceae	Sedum integrifolium	Native	-
Crassulaceae	Sedum lanceolatum	Native	-
Crassulaceae	Sedum rhodanthum	Native	8
Crassulaceae	Sedum stenopetalum	Native	-
Selaginellaceae	Selaginella densa	Native	-
Selaginellaceae	Selaginella densa var. densa	Native	-
Selaginellaceae	Selaginella densa var. scopulorum	Native	-
Selaginellaceae	Selaginella densa var. standleyi	Native	-
Selaginellaceae	Selaginella selaginoides	Native	8
Selaginellaceae	Selaginella wallacei	Native	-
Selaginellaceae	Selaginella watsonii	Native	-
Asteraceae	Senecio amplexans	Native	-
Asteraceae	Senecio canus	Native	-
Asteraceae	Senecio congestus	Unknown / Undetermined	-
Asteraceae	Senecio conterminus	Native	-
Asteraceae	Senecio crassulus	Native	7
Asteraceae	Senecio cymbalarioides	Native	7
Asteraceae	Senecio debilis	Native	8
Asteraceae	Senecio dimorphophyllus	Native	7
Asteraceae	Senecio dimorphophyllus var. dimorphophyllus	Native	-
Asteraceae	Senecio dimorphophyllus var. paysonii	Native	-
Asteraceae	Senecio elmeri	Native	-
Asteraceae	Senecio eremophilus	Native	4
Asteraceae	Senecio fremontii	Native	-
Asteraceae	Senecio fuscatus	Native	-
Asteraceae	Senecio hydrophiloides	Native	5
Asteraceae	Senecio hydrophilus	Native	5
Asteraceae	Senecio indecorus	Native	6
Asteraceae	Senecio integerrimus	Native	7
Asteraceae	Senecio integerrimus var. exaltatus	Native	-
Asteraceae	Senecio integerrimus var. integerrimus	Native	-
Asteraceae	Senecio integerrimus var. ochroleucus	Unknown / Undetermined	-
Asteraceae	Senecio integerrimus var. scribneri	Native	-
Asteraceae	Senecio jacobaea	Exotic	0
Asteraceae	Senecio lugens	Native	5
Asteraceae	Senecio megacephalus	Native	-
Asteraceae	Senecio pauciflorus	Native	-
Asteraceae	Senecio pauperculus	Native	5
Asteraceae	Senecio plattensis	Native	-
Asteraceae	Senecio pseudoureus	Native	7
Asteraceae	Senecio serra	Native	5
Asteraceae	Senecio sphaerocephalus	Native	6
Asteraceae	Senecio streptanthifolius	Native	-



FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Asteraceae	Senecio triangularis	Native	5
Asteraceae	Senecio vulgaris	Exotic	0
Asteraceae	Senecio werneriiifolius	Native	-
Poaceae	Setaria italica	Exotic	1
Poaceae	Setaria pumila	Exotic	1
Poaceae	Setaria verticillata	Exotic	1
Poaceae	Setaria viridis	Exotic	1
Elaeagnaceae	Shepherdia argentea	Native	-
Elaeagnaceae	Shepherdia canadensis	Native	-
Apiaceae	Shoshonea pulvinata	Native	-
Rosaceae	Sibbaldia procumbens	Native	-
Malvaceae	Sidalcea oregana	Native	3
Caryophyllaceae	Silene acaulis	Native	-
Caryophyllaceae	Silene antirrhina	Native	-
Caryophyllaceae	Silene conoidea	Exotic	1
Caryophyllaceae	Silene csereii	Exotic	1
Caryophyllaceae	Silene dichotoma	Exotic	1
Caryophyllaceae	Silene dioica	Exotic	1
Caryophyllaceae	Silene douglasii	Native	-
Caryophyllaceae	Silene drummondii	Native	-
Caryophyllaceae	Silene flos-cuculi	Exotic	1
Caryophyllaceae	Silene hitchguirei	Native	8
Caryophyllaceae	Silene latifolia	Exotic	0
Caryophyllaceae	Silene menziesii	Native	6
Caryophyllaceae	Silene noctiflora	Exotic	1
Caryophyllaceae	Silene oregana	Native	-
Caryophyllaceae	Silene parryi	Native	-
Caryophyllaceae	Silene repens	Native	-
Caryophyllaceae	Silene scouleri	Native	-
Caryophyllaceae	Silene spaldingii	Native	-
Caryophyllaceae	Silene uralensis	Native	6
Caryophyllaceae	Silene vulgaris	Exotic	1
Brassicaceae	Sinapis alba	Exotic	1
Brassicaceae	Sinapis arvensis	Exotic	1
Brassicaceae	Sisymbrium altissimum	Exotic	0
Brassicaceae	Sisymbrium loeselii	Exotic	0
Brassicaceae	Sisymbrium officinale	Exotic	0
Iridaceae	Sisyrinchium idahoense	Native	6
Iridaceae	Sisyrinchium montanum	Native	6
Iridaceae	Sisyrinchium septentrionale	Native	8
Apiaceae	Sium suave	Native	7
Brassicaceae	Smelowskia calycina	Native	-
Liliaceae	Smilacina racemosa	Native	4
Liliaceae	Smilacina stellata	Native	4
Smilacaceae	Smilax lasioneura	Native	8
Solanaceae	Solanum dulcamara	Exotic	0
Solanaceae	Solanum nigrum	Unknown / Undetermined	-
Solanaceae	Solanum physalifolium	Exotic	1
Solanaceae	Solanum rostratum	Unknown / Undetermined	-
Solanaceae	Solanum triflorum	Native	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Asteraceae	<i>Solidago canadensis</i>	Native	3
Asteraceae	<i>Solidago canadensis</i> var. <i>gilvocanescens</i>	Native	-
Asteraceae	<i>Solidago canadensis</i> var. <i>salebrosa</i>	Native	-
Asteraceae	<i>Solidago gigantea</i>	Native	6
Asteraceae	<i>Solidago missouriensis</i>	Native	-
Asteraceae	<i>Solidago mollis</i>	Native	-
Asteraceae	<i>Solidago multiradiata</i>	Native	-
Asteraceae	<i>Solidago nana</i>	Native	-
Asteraceae	<i>Solidago nemoralis</i>	Native	-
Asteraceae	<i>Solidago ptarmicoides</i>	Native	-
Asteraceae	<i>Solidago rigida</i>	Native	-
Asteraceae	<i>Solidago simplex</i>	Native	-
Asteraceae	<i>Solidago velutina</i>	Native	-
Asteraceae	<i>Sonchus arvensis</i>	Exotic	0
Asteraceae	<i>Sonchus arvensis</i> ssp. <i>arvensis</i>	Exotic	0
Asteraceae	<i>Sonchus arvensis</i> ssp. <i>uliginosus</i>	Exotic	0
Asteraceae	<i>Sonchus asper</i>	Exotic	0
Asteraceae	<i>Sonchus oleraceus</i>	Exotic	0
Rosaceae	<i>Sorbus aucuparia</i>	Exotic	1
Rosaceae	<i>Sorbus scopulina</i>	Native	-
Rosaceae	<i>Sorbus sitchensis</i>	Native	5
Poaceae	<i>Sorghastrum nutans</i>	Native	-
Poaceae	<i>Sorghum halepense</i>	Exotic	1
Sparganiaceae	<i>Sparganium angustifolium</i>	Native	7
Sparganiaceae	<i>Sparganium eurycarpum</i>	Native	7
Sparganiaceae	<i>Sparganium natans</i>	Native	6
Poaceae	<i>Spartina gracilis</i>	Native	6
Poaceae	<i>Spartina pectinata</i>	Native	6
Caryophyllaceae	<i>Spergula arvensis</i>	Exotic	0
Caryophyllaceae	<i>Spergularia media</i>	Exotic	1
Caryophyllaceae	<i>Spergularia rubra</i>	Exotic	0
Caryophyllaceae	<i>Spergularia salina</i>	Unknown / Undetermined	8
Malvaceae	<i>Sphaeralcea coccinea</i>	Native	-
Malvaceae	<i>Sphaeralcea munroana</i>	Native	-
Asteraceae	<i>Sphaeromeria argentea</i>	Native	-
Asteraceae	<i>Sphaeromeria capitata</i>	Native	-
Fabaceae	<i>Sphaerophysa salsula</i>	Exotic	1
Poaceae	<i>Sphenopholis intermedia</i>	Native	-
Poaceae	<i>Sphenopholis obtusata</i>	Native	7
Rosaceae	<i>Spiraea betulifolia</i>	Native	-
Rosaceae	<i>Spiraea douglasii</i>	Native	5
Rosaceae	<i>Spiraea splendens</i>	Native	-
Rosaceae	<i>Spiraea x pyramidata</i>	Native	-
Orchidaceae	<i>Spiranthes diluvialis</i>	Native	6
Orchidaceae	<i>Spiranthes romanzoffiana</i>	Native	6
Lemnaceae	<i>Spirodela polyrrhiza</i>	Native	7
Poaceae	<i>Sporobolus airoides</i>	Native	4
Poaceae	<i>Sporobolus compositus</i>	Native	-
Poaceae	<i>Sporobolus cryptandrus</i>	Native	-
Poaceae	<i>Sporobolus heterolepis</i>	Native	-
Poaceae	<i>Sporobolus neglectus</i>	Native	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Poaceae	Sporobolus vaginiflorus	Unknown / Undetermined	-
Lamiaceae	Stachys palustris	Native	6
Brassicaceae	Stanleya pinnata	Native	-
Brassicaceae	Stanleya pinnata var. integrifolia	Native	-
Brassicaceae	Stanleya pinnata var. pinnata	Native	-
Brassicaceae	Stanleya tomentosa	Native	-
Brassicaceae	Stanleya viridiflora	Native	-
Caryophyllaceae	Stellaria americana	Native	-
Caryophyllaceae	Stellaria borealis	Native	6
Caryophyllaceae	Stellaria calycantha	Native	6
Caryophyllaceae	Stellaria crassifolia	Native	5
Caryophyllaceae	Stellaria crispa	Native	4
Caryophyllaceae	Stellaria graminea	Exotic	1
Caryophyllaceae	Stellaria jamesiana	Native	-
Caryophyllaceae	Stellaria longifolia	Native	6
Caryophyllaceae	Stellaria longipes	Native	7
Caryophyllaceae	Stellaria media	Exotic	0
Caryophyllaceae	Stellaria nitens	Native	-
Caryophyllaceae	Stellaria obtusa	Native	3
Caryophyllaceae	Stellaria umbellata	Native	7
Liliaceae	Stenanthium occidentale	Native	7
Asteraceae	Stenotus acaulis	Native	-
Asteraceae	Stenotus armerioides	Native	-
Asteraceae	Stenotus lanuginosus	Native	-
Asteraceae	Stenotus multicaulis	Native	-
Asteraceae	Stephanomeria runcinata	Native	-
Asteraceae	Stephanomeria tenuifolia	Native	-
Poaceae	Stipa comata	Native	-
Poaceae	Stipa curtiseta	Native	-
Poaceae	Stipa lemmonii	Unknown / Undetermined	-
Poaceae	Stipa lettermanii	Native	-
Poaceae	Stipa nelsonii	Native	6
Poaceae	Stipa occidentalis	Native	-
Poaceae	Stipa pinetorum	Native	-
Poaceae	Stipa richardsonii	Native	-
Poaceae	Stipa spartea	Native	-
Poaceae	Stipa thurberiana	Native	-
Poaceae	Stipa viridula	Native	-
Brassicaceae	Streptanthella longirostris	Native	-
Liliaceae	Streptopus amplexifolius	Native	7
Liliaceae	Streptopus lanceolatus	Native	-
Amaranthaceae	Suaeda calceoliformis	Native	3
Amaranthaceae	Suaeda nigra	Native	6
Amaranthaceae	Suaeda occidentalis	Native	4
Amaranthaceae	Suckleya suckleyana	Native	3
Saxifragaceae	Suksdorfia ranunculifolia	Native	7
Saxifragaceae	Suksdorfia violacea	Native	8
Saxifragaceae	Sullivantia hapemanii	Native	10
Gentianaceae	Swertia perennis	Native	7
Caprifoliaceae	Symphoricarpos albus	Native	3

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Caprifoliaceae	Symphoricarpos occidentalis	Native	4
Caprifoliaceae	Symphoricarpos oreophilus	Native	-
Asteraceae	Symphyotrichum ascendens	Native	2
Asteraceae	Symphyotrichum boreale	Native	7
Asteraceae	Symphyotrichum campestre	Native	-
Asteraceae	Symphyotrichum ciliatum	Native	6
Asteraceae	Symphyotrichum ciliolatum	Native	5
Asteraceae	Symphyotrichum cusickii	Native	-
Asteraceae	Symphyotrichum eatonii	Native	5
Asteraceae	Symphyotrichum ericoides	Native	6
Asteraceae	Symphyotrichum falcatum	Native	-
Asteraceae	Symphyotrichum foliaceum	Native	5
Asteraceae	Symphyotrichum foliaceum var. apricum	Native	-
Asteraceae	Symphyotrichum foliaceum var. foliaceum	Native	-
Asteraceae	Symphyotrichum foliaceum var. parryi	Native	-
Asteraceae	Symphyotrichum hendersonii	Native	-
Asteraceae	Symphyotrichum laeve	Native	-
Asteraceae	Symphyotrichum lanceolatum	Native	4
Asteraceae	Symphyotrichum molle	Native	-
Asteraceae	Symphyotrichum oblongifolium	Native	-
Asteraceae	Symphyotrichum spathulatum	Native	5
Asteraceae	Symphyotrichum subspicatum	Native	6
Boraginaceae	Symphytum officinale	Exotic	0
Plantaginaceae	Synthyris canbyi	Native	-
Plantaginaceae	Synthyris missurica	Native	-
Plantaginaceae	Synthyris pinnatifida	Native	-
Tamaricaceae	Tamarix ramosissima	Exotic	0
Asteraceae	Tanacetum balsamita	Exotic	1
Asteraceae	Tanacetum parthenium	Exotic	1
Asteraceae	Tanacetum vulgare	Exotic	0
Asteraceae	Taraxacum ceratophorum	Native	-
Asteraceae	Taraxacum erythrospermum	Exotic	0
Asteraceae	Taraxacum lyratum	Native	-
Asteraceae	Taraxacum officinale	Exotic	0
Taxaceae	Taxus brevifolia	Native	-
Saxifragaceae	Telesonix heucheriformis	Native	-
Saxifragaceae	Tellima grandiflora	Native	-
Asteraceae	Tetradymia canescens	Native	-
Asteraceae	Tetradymia spinosa	Unknown / Undetermined	-
Lamiaceae	Teucrium canadense	Native	6
Ranunculaceae	Thalictrum alpinum	Native	9
Ranunculaceae	Thalictrum dasycarpum	Native	5
Ranunculaceae	Thalictrum fendleri	Unknown / Undetermined	-
Ranunculaceae	Thalictrum occidentale	Native	5
Ranunculaceae	Thalictrum sparsiflorum	Native	5
Ranunculaceae	Thalictrum venulosum	Native	4
Asteraceae	Thelesperma megapotamicum	Unknown / Undetermined	-
Asteraceae	Thelesperma subnudum	Native	-
Brassicaceae	Thelypodium integrifolium	Native	6

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Brassicaceae	<i>Thelypodium paniculatum</i>	Native	-
Brassicaceae	<i>Thelypodium sagittatum</i>	Native	6
Fabaceae	<i>Thermopsis montana</i>	Native	6
Fabaceae	<i>Thermopsis montana</i> var. <i>montana</i>	Native	-
Fabaceae	<i>Thermopsis montana</i> var. <i>ovata</i>	Native	-
Fabaceae	<i>Thermopsis rhombifolia</i>	Native	-
Santalaceae	<i>Thesium arvense</i>	Exotic	1
Brassicaceae	<i>Thlaspi arvense</i>	Exotic	0
Cupressaceae	<i>Thuja plicata</i>	Native	7
Lamiaceae	<i>Thymus praecox</i>	Exotic	1
Saxifragaceae	<i>Tiarella trifoliata</i>	Native	5
Crassulaceae	<i>Tillaea aquatica</i>	Native	6
Liliaceae	<i>Tofieldia pusilla</i>	Native	9
Asteraceae	<i>Tonestus aberrans</i>	Native	-
Asteraceae	<i>Tonestus lyallii</i>	Native	-
Asteraceae	<i>Tonestus pygmaeus</i>	Native	-
Poaceae	<i>Torreyochloa pallida</i>	Native	7
Asteraceae	<i>Townsendia condensata</i>	Native	-
Asteraceae	<i>Townsendia exscapa</i>	Native	-
Asteraceae	<i>Townsendia florifer</i>	Native	-
Asteraceae	<i>Townsendia hookeri</i>	Native	-
Asteraceae	<i>Townsendia incana</i>	Native	-
Asteraceae	<i>Townsendia leptotes</i>	Native	-
Asteraceae	<i>Townsendia montana</i>	Native	-
Asteraceae	<i>Townsendia parryi</i>	Native	-
Asteraceae	<i>Townsendia spatulata</i>	Native	-
Anacardiaceae	<i>Toxicodendron rydbergii</i>	Native	4
Commelinaceae	<i>Tradescantia bracteata</i>	Unknown / Undetermined	-
Commelinaceae	<i>Tradescantia occidentalis</i>	Native	4
Asteraceae	<i>Tragopogon dubius</i>	Exotic	0
Asteraceae	<i>Tragopogon porrifolius</i>	Exotic	1
Asteraceae	<i>Tragopogon pratensis</i>	Exotic	1
Brassicaceae	<i>Transberingia bursifolia</i> ssp. <i>virgata</i>	Native	-
Ranunculaceae	<i>Trautvetteria caroliniensis</i>	Native	8
Liliaceae	<i>Triantha occidentalis</i>	Native	7
Zygophyllaceae	<i>Tribulus terrestris</i>	Exotic	0
Cyperaceae	<i>Trichophorum alpinum</i>	Native	9
Cyperaceae	<i>Trichophorum cespitosum</i>	Native	8
Cyperaceae	<i>Trichophorum pumilum</i>	Native	10
Fabaceae	<i>Trifolium arvense</i>	Exotic	1
Fabaceae	<i>Trifolium aureum</i>	Exotic	0
Fabaceae	<i>Trifolium beckwithii</i>	Native	4
Fabaceae	<i>Trifolium campestre</i>	Exotic	1
Fabaceae	<i>Trifolium cyathiferum</i>	Native	3
Fabaceae	<i>Trifolium dasyphyllum</i>	Native	-
Fabaceae	<i>Trifolium dubium</i>	Exotic	1
Fabaceae	<i>Trifolium eriocephalum</i>	Native	4
Fabaceae	<i>Trifolium eriocephalum</i> ssp. <i>arcuatum</i>	Native	-
Fabaceae	<i>Trifolium fragiferum</i>	Exotic	0
Fabaceae	<i>Trifolium gymnocarpon</i>	Native	-
Fabaceae	<i>Trifolium haydenii</i>	Native	-

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Fabaceae	Trifolium hybridum	Exotic	0
Fabaceae	Trifolium latifolium	Native	-
Fabaceae	Trifolium longipes	Native	6
Fabaceae	Trifolium microcephalum	Native	1
Fabaceae	Trifolium nanum	Native	8
Fabaceae	Trifolium parryi	Native	7
Fabaceae	Trifolium pratense	Exotic	0
Fabaceae	Trifolium repens	Exotic	0
Fabaceae	Trifolium variegatum	Unknown / Undetermined	-
Fabaceae	Trifolium wormskioldii	Exotic	-
Juncaginaceae	Triglochin maritima	Native	8
Juncaginaceae	Triglochin palustris	Native	7
Liliaceae	Trillium ovatum	Native	-
Campanulaceae	Triodanis leptocarpa	Native	-
Campanulaceae	Triodanis perfoliata	Native	1
Asteraceae	Tripleurospermum inodorum	Exotic	1
Nyctaginaceae	Tripterocalyx micranthus	Native	-
Poaceae	Trisetum canescens	Native	-
Poaceae	Trisetum cernuum	Native	-
Poaceae	Trisetum orthochaetum	Native	-
Poaceae	Trisetum spicatum	Native	-
Poaceae	Trisetum wolfii	Native	4
Liliaceae	Triteleia grandiflora	Native	-
Poaceae	Triticum aestivum	Exotic	1
Ranunculaceae	Trollius albiflorus	Native	7
Pinaceae	Tsuga heterophylla	Native	-
Pinaceae	Tsuga mertensiana	Native	-
Brassicaceae	Turritis glabra	Exotic	1
Typhaceae	Typha angustifolia	Unknown / Undetermined	-
Typhaceae	Typha latifolia	Native	3
Ulmaceae	Ulmus americana	Native	9
Ulmaceae	Ulmus pumila	Exotic	0
Urticaceae	Urtica dioica	Native	3
Urticaceae	Urtica dioica ssp. gracilis	Native	-
Urticaceae	Urtica dioica ssp. holosericea	Native	-
Lentibulariaceae	Utricularia intermedia	Native	10
Lentibulariaceae	Utricularia macrorhiza	Native	5
Lentibulariaceae	Utricularia minor	Native	10
Lentibulariaceae	Utricularia ochroleuca	Native	10
Caryophyllaceae	Vaccaria hispanica	Exotic	1
Ericaceae	Vaccinium cespitosum	Native	5
Ericaceae	Vaccinium membranaceum	Native	-
Ericaceae	Vaccinium myrtilloides	Native	6
Ericaceae	Vaccinium myrtillus	Native	-
Ericaceae	Vaccinium ovalifolium	Unknown / Undetermined	-
Ericaceae	Vaccinium scoparium	Native	-
Ericaceae	Vaccinium uliginosum	Native	8
Poaceae	Vahlodea atropurpurea	Native	7
Valerianaceae	Valeriana acutiloba	Native	7

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Valerianaceae	Valeriana dioica	Native	5
Valerianaceae	Valeriana edulis	Native	7
Valerianaceae	Valeriana occidentalis	Native	7
Valerianaceae	Valeriana sitchensis	Native	7
Valerianaceae	Valerianella locusta	Exotic	1
Poaceae	Ventenata dubia	Exotic	0
Liliaceae	Veratrum californicum	Native	4
Liliaceae	Veratrum viride	Native	7
Scrophulariaceae	Verbascum blattaria	Exotic	1
Scrophulariaceae	Verbascum thapsus	Exotic	0
Verbenaceae	Verbena bipinnatifida	Unknown / Undetermined	-
Verbenaceae	Verbena bracteata	Native	3
Verbenaceae	Verbena hastata	Native	6
Verbenaceae	Verbena stricta	Unknown / Undetermined	-
Asteraceae	Verbesina encelioides	Unknown / Undetermined	-
Plantaginaceae	Veronica americana	Native	5
Plantaginaceae	Veronica anagallis-aquatica	Exotic	0
Plantaginaceae	Veronica arvensis	Exotic	0
Plantaginaceae	Veronica biloba	Exotic	1
Plantaginaceae	Veronica chamaedrys	Exotic	1
Plantaginaceae	Veronica cusickii	Native	7
Plantaginaceae	Veronica longifolia	Exotic	1
Plantaginaceae	Veronica officinalis	Exotic	0
Plantaginaceae	Veronica peregrina	Native	4
Plantaginaceae	Veronica persica	Exotic	1
Plantaginaceae	Veronica scutellata	Native	6
Plantaginaceae	Veronica serpyllifolia	Native/Exotic	-
Plantaginaceae	Veronica serpyllifolia ssp. humifusa	Native	2
Plantaginaceae	Veronica serpyllifolia ssp. serpyllifolia	Exotic	0
Plantaginaceae	Veronica verna	Exotic	1
Plantaginaceae	Veronica wormskjoldii	Native	7
Caprifoliaceae	Viburnum edule	Native	8
Caprifoliaceae	Viburnum lantana	Exotic	1
Caprifoliaceae	Viburnum lentago	Native	6
Caprifoliaceae	Viburnum opulus	Native	1
Fabaceae	Vicia americana	Native	3
Fabaceae	Vicia americana ssp. americana	Native	-
Fabaceae	Vicia americana ssp. minor	Native	-
Fabaceae	Vicia cracca	Exotic	1
Fabaceae	Vicia sativa	Exotic	1
Fabaceae	Vicia tetrasperma	Exotic	1
Fabaceae	Vicia villosa	Exotic	1
Asteraceae	Viguiera multiflora	Native	-
Violaceae	Viola adunca	Native	5
Violaceae	Viola arvensis	Exotic	1
Violaceae	Viola canadensis	Native	-
Violaceae	Viola glabella	Native	4
Violaceae	Viola macloskeyi	Native	8
Violaceae	Viola nephrophylla	Native	8

FAMILY NAME	SCIENTIFIC NAME	ORIGIN	2015 C-VALUE
Violaceae	<i>Viola nuttallii</i>	Native	-
Violaceae	<i>Viola nuttallii</i> var. <i>praemorsa</i>	Native	-
Violaceae	<i>Viola nuttallii</i> var. <i>vallicola</i>	Native	-
Violaceae	<i>Viola orbiculata</i>	Native	-
Violaceae	<i>Viola palustris</i>	Native	7
Violaceae	<i>Viola pedatifida</i>	Unknown / Undetermined	-
Violaceae	<i>Viola purpurea</i>	Native	-
Violaceae	<i>Viola renifolia</i>	Native	8
Violaceae	<i>Viola selkirkii</i>	Native	-
Violaceae	<i>Viola septentrionalis</i>	Native	-
Vitaceae	<i>Vitis riparia</i>	Native	5
Poaceae	<i>Vulpia bromoides</i>	Exotic	1
Poaceae	<i>Vulpia microstachys</i>	Unknown / Undetermined	-
Poaceae	<i>Vulpia myuros</i>	Exotic	1
Poaceae	<i>Vulpia octoflora</i>	Native	-
Rosaceae	<i>Waldsteinia idahoensis</i>	Native	-
Lemnaceae	<i>Wolffia borealis</i>	Native	-
Lemnaceae	<i>Wolffia brasiliensis</i>	Native	7
Lemnaceae	<i>Wolffia columbiana</i>	Native	7
Dryopteridaceae	<i>Woodsia oregana</i>	Native	-
Dryopteridaceae	<i>Woodsia scopulina</i>	Native	-
Asteraceae	<i>Wyethia amplexicaulis</i>	Native	3
Asteraceae	<i>Wyethia helianthoides</i>	Native	2
Asteraceae	<i>Wyethia scabra</i>	Native	-
Poaceae	x <i>Elyhordeum macounii</i>	Unknown / Undetermined	-
Asteraceae	<i>Xanthisma grindelioides</i>	Native	-
Asteraceae	<i>Xanthisma spinulosum</i>	Unknown / Undetermined	-
Asteraceae	<i>Xanthium spinosum</i>	Exotic	1
Asteraceae	<i>Xanthium strumarium</i>	Native	3
Liliaceae	<i>Xerophyllum tenax</i>	Native	5
Asteraceae	<i>Xylorhiza glabriuscula</i>	Native	-
Agavaceae	<i>Yucca glauca</i>	Native	-
Zannichelliaceae	<i>Zannichellia palustris</i>	Native	8
Liliaceae	<i>Zigadenus elegans</i>	Native	4
Liliaceae	<i>Zigadenus paniculatus</i>	Unknown / Undetermined	-
Liliaceae	<i>Zigadenus venenosus</i>	Native	5
Poaceae	<i>Zizania aquatica</i>	Exotic	0
Apiaceae	<i>Zizia aptera</i>	Native	7
Zygophyllaceae	<i>Zygophyllum fabago</i>	Exotic	1