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APPLYING THE CONCEPT OF STEWARDSHIP RESPONSIBILITY IN BRITISH COLUMBIA

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Summary

Lists of species at risk are designed primarily to provide an easily understood estimate of risk and extinction. The lists have become linked to decision-making processes, often in unhelpful ways. Unhelpful guidance can be reduced through the concept of responsibility. The broad concept of stewardship responsibility is simple: within a jurisdiction we should allocate greater effort to conserve species for which we have a greater proportion of the global population or range (responsibility). That is, *other things being equal*, a species having 70% of its population or range within British Columbia should receive greater conservation effort than a species having 2% of its range within the province. The concept is widely applied in international conservation efforts and can be adapted readily to a particular jurisdiction.

For most species, responsibility is estimated from the proportion of occupied range occurring within British Columbia. The task is simple but tedious because a variety of sources are required for the vast majority of species. Estimating responsibility for ecosystems confronts a major challenge: there is far less agreement on what is the same ecosystem than on what is the same species. Moreover, we should not expect close agreement, because ecosystems are aggregations of species whose boundaries we determine more arbitrarily than we assign species designations. Estimating responsibility for uncommon constellations of species is likewise difficult: requiring overlays of individual species maps and arbitrary judgments about the degree of overlap.

Stewardship responsibility is described by seven classes ranging from 1 (low and localized, <10% global responsibility and occurring over <30% of the province) to 7 (endemic; 100% of global range or population within the province). For some taxa a further class can be used 0 (<2% of global responsibility within the province). Additional measures provide context for interpretation of the class include: global threat, seasonality, isolation (disjunct or not), and size of the global range.

The concept of responsibility, using the 7 classes, was applied to 11 groups of organisms within the province: mosses, monocotyledonous plants, dicotyledonous plants, non-marine molluscs, dragonflies and damselflies, butterflies, freshwater fish, amphibians, reptiles, birds and mammals. We estimated responsibility for 2665 species and 1349 subspecies, varieties or populations (Table 1). That number is markedly greater than the number CDC's resources currently allow it to track. For most groups of organisms, we added (red font) species or subspecies not on lists provided by CDC but for which there is evidence of their occurrence in British Columbia. There is uncertainty around many of these species or lower taxa, whether listed by CDC or not. Taxonomic issues are present throughout but are more evident within some groups. These and other issues specific to a group of organisms are discussed separately for each group (Section 4.1). Generally, the pattern of responsibility follows what is expected from log-normal distributions of community structure, with the vast majority of species (2055, 77%) and subspecies (847, 63%) having less than 10% of their range within the province (Tables 2 and 3). The province appears to host 25 endemic species and 71 endemic subspecies.

The utility of applying the concept of stewardship responsibility has been documented for several nations and smaller jurisdictions. However, there cannot be an arbitrary cutoff for conservation actions based solely on stewardship responsibility (reasons summarized in Section 5). We recognize three ways in which stewardship responsibility can make conservation actions more cost effective and successful: 1) Conservation effort is focused where it is most likely to be effective (i.e., the species is most abundant); 2) Proactive responses, that are more likely to produce success, are encouraged by examining closely species that are not yet rare but are declining or under imminent threat; 3) A more equitable allocation of resources for conservation across jurisdictions is encouraged.

Simplistic application of some arbitrary stewardship cutoff can easily lead to misapplication of the concept and outcomes contrary to the goal of conservation. We note six considerations that make simplistic application of the concept invalid (Section 5). That is, stewardship responsibility alone is far too simplistic and potentially misleading; it must be interpreted within the context of other factors. It does not, for example, provide more than the broadest indication of risk, and that is risk within the jurisdiction.

Barriers to implementing the concept include effort, accuracy, taxonomy and level of discrimination. We note ways in which each of these can be reduced, and no barrier outweighs the advantages that can be gained.

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1. The Concept of Responsibility

Lists of species at risk are designed primarily to provide an easily understood estimate of risk and extinction. Although the estimates of risk may be accurate, focusing on species at greatest risk can be unhelpful. Possingham et al. (2002) put it this way:

“It is inappropriate to use threatened species lists for resource allocation. Resources for conservation are limited. Spending the most money on species with the highest extinction possibilities is not the most efficient way of promoting recovery or minimizing global extinction rates, because some of the most highly ranked species require huge recovery efforts with a small chance of success, whereas other less threatened taxa might be secured for relatively little cost.”

The potential for unhelpful guidance for lists of species at risk is greatest within a particular jurisdiction when risk is considered only from the perspective of the jurisdiction and not placed into global context (e.g., Avery et al. 1995; Bunnell et al. 2004; Eaton et al. 2005). Dunn et al. (1999) divided the issues guiding our conservation actions into two broad classes: concern (factors influencing risk) and responsibility (sometimes termed stewardship; referring to stewardship responsibility). The broad concept of stewardship responsibility is simple: within a jurisdiction we should allocate greater effort to conserve species for which we have greater responsibility (where responsibility is considered proportion of population or range). That is, *other things being equal*, a species having 70% of its population or range within British Columbia should receive greater conservation effort than a species having 2% of its range within the province. The issue is not simply one of equitable sharing of resources. The more compelling reason for applying responsibility is that the likelihood of successful outcomes is greatly enhanced where populations are larger and more concentrated (Abbitt & Scott 2001; Clark et al. 2002; Elphick et al. 2001). The concept thus serves as a planning and priority-setting tool, guiding effort to areas of greatest responsibility or where the likelihood of success and impact of effort is highest. For several reasons, including those summarized in Section 5, stewardship classes cannot provide a simple cutoff for conservation actions. They can, however, serve to focus review of important features determining risk and the likelihood of success prior to enacting conservation effort.

The concept of responsibility appears to have been invoked first for birds to describe critical areas serving as potential ‘migratory bottlenecks’. In this way, stewardship responsibility is an important guiding principle of the RAMSAR Convention, Western Hemisphere Shorebird Reserve Network, and the Important Bird Areas Program. In these instances, the concept has served to guide conservation efforts to areas where their impact is likely highest. More generally, we can index stewardship responsibility by the proportion of global abundance or range for species occurring within the jurisdiction for which stewardship is being assessed (e.g., British Columbia or Canada). A high proportion reflects high stewardship responsibility. In this broader sense, the concept has been championed in North America primarily by the Partners in Flight system in Canada, Mexico, and the United States (Carter et al. 2000; Dunn et al. 1999; Panjabi et al. 2005). By focusing conservation effort where the species is best represented, successful outcomes are more likely.

Where a consistent taxonomy is available, the concept has been applied to ecosystems as well. The Biogeoclimatic Ecosystem Classification (BEC) system provides such a taxonomy within British Columbia. Using the BEC system, ecosystem representation has been applied to a number of large planning units within the province (e.g., Bunnell et al. 2003: Chapter 2; Wells et al. 2003, 2004). In these latter instances the concept of responsibility focused attention on ecosystems within the planning unit, whose representation was most strongly expressed within the unit relative to the rest of the province.

2. Methodology

Population based: For organisms, stewardship responsibility ideally would be based on proportions of the population within a particular jurisdiction. This can be approximated only within three broad groups of species: 1) birds that show strong seasonal aggregations, 2) some marine mammals that congregate, and 3) game species that are surveyed by government agencies throughout their range. Of these three groups the first two appear best documented. The ability to assess seasonal concentrations of bird species that naturally aggregate is increasing, as is the quality of reporting (Morrison et al. 2000a,b). The ability to assess populations and period of occupancy within a jurisdiction for some marine mammals also has increased, and is particularly sound for species that 'haul out' and can be counted (e.g., northern elephant seal). As the concern for all of biodiversity has grown, funding to survey game species has declined, and estimates for game species are becoming increasingly less rigorous, other than for species of most conservation concern (e.g., some caribou populations).

Population-based assessments of stewardship responsibility should:

- Indicate that the assessment is population based.
- Indicate sources when a single monograph or few sources have contributed strongly to the estimate. Documenting sources when a compilation of population estimates has been used is helpful, but is likely to be ever-changing so worthwhile only for species for which stewardship may influence conservation actions.
- Note whether or not the estimate is based on seasonal aggregations or resident populations. The former may be temporary, but still critical.

Range or area based: Stewardship estimates for ecosystems or communities are necessarily area based. Those for most species also are necessarily area based, because the only data consistently available are presence:absence or range.

For species, range maps are employed and differences in approach are primarily in detail or precision; they are invariably tedious. For example, Anonymous (2006) in Ontario limited their analysis to reptiles occurring in Ontario. For each species they acquired the most current available range maps throughout their range, entered coordinates of each range into GIS, and calculated the portion of the range occurring in Ontario. Such a detailed approach has the desirable attributes of accuracy (to the degree that range maps are accurate) and precision, particularly among assessors. Unfortunately, it is costly in time and funding so can be applied to only a few species. An approach that can be applied to many more species is necessarily more coarse, and includes the following steps:

- 1) From NatureServe obtain the North American jurisdictions in which the species occurs. Note not all groups are well documented within NatureServe.
- 2) Evaluate whether the species occurs outside North America. Note: NatureServe is not consistently clear on this point.
- 3) For each jurisdiction (including other countries where appropriate) obtain the most current range map. Jurisdictional range maps (e.g., provinces or states) are almost always more detailed than maps covering larger areas. Note: during this stage it sometimes becomes clear that a jurisdiction has been omitted by NatureServe.
- 4) Knowing the area of the jurisdiction and the apparent proportion of the area occupied by the species, estimate the total area occupied within the jurisdiction.
- 5) Sum estimated areas occupied in all jurisdictions and determine the proportion of that total occurring within British Columbia, or stewardship for the province. This estimate almost always is crude, but can be divided into classes.

Note: We found that single large range maps are almost always unhelpful because they typically outline the entire range, ignoring the unoccupied areas within the boundary. Others dealing with large ranges have encountered the same problem (e.g., Laliberte and Ripple 2004, Lomlino and Channel 1995). Despite the tedium, it is significantly more accurate to unearth more detailed fine-scaled maps.

Whatever approach is taken to assess stewardship, the value can then be viewed in the context of other features such as trend or threat.

For ecosystems, occupied area (analogous to range maps) can be employed, but with significant differences. Primary among these is the issue of identification. There is far less agreement on what is the same ecosystem than on what is the same species. Moreover, we should not expect close agreement because ecosystems are aggregations of species whose boundaries we determine more arbitrarily than we assign species designations. The lack of unequivocal identity necessarily impedes calculation of area occupied. The issue of our collective inability to clearly identify the unit being mapped will not go away, because different jurisdictions commonly have their own approach to ecological classification and relatively few attempts to cross-walk these have been made. A further challenge is that changes are gradual for some ecosystems but achieve great change over large distance. This is particularly evident in boreal ecosystems: some are quite discrete, but others change gradually over thousands of kilometers. Despite these difficulties, however, progress is being made (see Section 4.2).

For constellations of species (e.g., intact predator-prey systems; groups of regional rare species that may approximate rare ecosystem types), the difficulty is identical to that for ecosystems – no unequivocal identity exists that can be used across jurisdictions. The methodology must exploit overlays of species' ranges. Some of these species are highly mobile (sometimes migratory) and others may range widely. Other than the fact that arbitrary judgments need to be made concerning the degree of overlap, the approach is the same as that for species' ranges described above. The approach requires GIS support, not budgeted within this project. Instead, we have described potential constellations that merit a closer examination. The utility has been documented for the simple case of large carnivores and ungulates by Laliberte and Ripple (2004).

3. Describing and Classifying Stewardship Responsibility

Accuracy and precision differ across estimates whether based on proportion of population or total range occupied. For this reason, it is disingenuous to attempt to discriminate beyond classes when using the more practical or general approaches to assessment. In the large majority of cases the estimate of 'global stewardship responsibility' was based on the portion of the global range occurring in British Columbia. We found the following classes useful (the class numbers used in excel tables are noted):

- 7 **Endemic**, 100% of the range, area or population is within the province. Endemics merit their own designation because the province has 100% of global responsibility. Within British Columbia, endemism generally occurs at the subspecific level. Freshwater fish are an exception. Some populations appear to represent incipient endemism.
- 6 **Very high**, 75 to 99% global stewardship responsibility.
- 5 **High**, 51 to 74% global stewardship responsibility.
- 4 **Moderately high**, 30 to 50% global stewardship responsibility.
- 3 **Intermediate**, 11 to 29% global stewardship responsibility.
- 2 **Low and wide spread**, <10% global stewardship responsibility but occurs over >30% of the province.
- 1 **Low and localized**, <10% global stewardship responsibility and is localized, occurring over <30% of the province.
- 0 **Very low**, <2%, always a subset of class 1.

The last class, 0, could not be consistently applied because ranges are not consistently well documented. It was applied only where available data permitted. It reflects an attempt to further subdivide class 1: up to 2% and 3 to 10%. We undertook this subdivision when we found that provincial stewardship responsibility for more than 25 SARA-listed species was no more than 2%, and that many of these species were designated G5 by Nature Serve ('demonstrably widespread, abundant, and secure'). All summary statements include '0' in class 1. Where our best estimates left classes uncertain – e.g., class 3-4 – the summaries tally that taxon in the lowest class.

There are important modifiers to this basic scheme that usually are applied to classes 1 and 2. For example, a responsibility of 30% has different implications for a species that occurs in only 4 jurisdictions than for a species occurring in 20 or more. Likewise, a global responsibility of 10% has different implications for a species with a large global range than for a species with a small global range. There are species that are sufficiently widespread (e.g., fisher) that every jurisdiction contains less than 10% of the global range. These should be flagged, because every jurisdiction has some responsibility for their well being. The tables summarizing responsibility of taxonomic groups include a column 'Global Range'. This arbitrary classification of global range is provided to create context for the rating of responsibility. The classes of global range are 'statistical' rather than absolute, and acknowledge the 10% boundary of the lower responsibility classes; typically: Low (L) occurs in 10 or fewer jurisdictions (in which case 30% responsibility can be significant). Medium (M) occurs in 11 to 19 jurisdictions, and L (Large) occurs in 20 or more jurisdictions (in which case 10% responsibility may be

significant). Exceptions occur when the species occurs on more than one continent or extends south into Mexico. When that occurs the species' global range is arbitrarily designated 'Large'.

Because the fundamental scientific rationale for maintaining biological diversity is the maintenance of genetic variability (e.g., Bunnell 1998; Namkoong 1998), it is helpful to designate disjunct populations separately. These may be species in the making. Almost all disjunct populations are class 1, a few are class 2; in either case the province has <10% global responsibility. We found the following additional designations for disjunct populations practical and insightful:

D1 Disjunct and limited to British Columbia.

D2 Disjunct and not limited to British Columbia (typically BC and Alberta).

Defining disjunct is not straightforward because distances and other features conferring isolation vary among groups. Because we examined so many disparate groups or organisms we chose an arbitrary distance of isolation within the appendices – distance from the more continuous population was arbitrarily established across groups as 200 km; smaller where isolation was apparent as through confined water bodies or different phonological characteristics. The purpose was to flag species that merited further attention on either a species or species-group basis. Provided disjunct populations are flagged, their potential genetic contribution can be evaluated using the basic principles summarized by Bunnell et al. (2004).

Major sources used in estimating responsibility are listed for each organism group below. Experts consulted were:

Lichens:	Trevor Goward
Mosses:	Karen Golinski, Patrick Williston
Monocot and dicot plants:	Curtis Björk
Non-marine molluscs:	Unchecked by experts
Odonata:	Rob Cannings
Butterflies:	Crispin Guppy
Freshwater fish:	Ted Down, Sue Pollard
Amphibians:	R. Wayne Campbell
Reptiles:	R. Wayne Campbell
Birds:	R. Wayne Campbell
Mammals:	David Nargorsen

4. Applying the Concept of Responsibility in British Columbia

It is important to appreciate that simplistic application of some arbitrary stewardship cutoff can easily lead to misapplication of the concept and outcomes contrary to the goal of conservation. We note six considerations that make simplistic application of the concept invalid (Section 5). That is, stewardship responsibility alone is far too simplistic and potentially misleading; it must be interpreted within the context of other factors. It does not, for example, provide more than the broadest indication of risk, and that is risk

within the jurisdiction. Here we summarize only the global stewardship classes. These do *not* translate directly into priorities for action.

4.1 Species and Intraspecies

The Conservation Data Centre (CDC) of British Columbia does not track yellow-listed species, and generally does not track exotic or introduced species. Within 10 broad groups of organisms, CDC tracks 729 species and 261 subspecies, varieties or populations (Table 1). CDC estimates conservation status for all species and all rarer subspecies within each organism group that they address. ‘Tracking’ by CDC refers specifically to their compiling geographical occurrence information for a species or subspecies (i.e., mapping known locations and collecting specific data about that occurrence). That is, only red- or blue-listed taxa are ‘tracked’. Thus data compiled by CDC cannot be used to estimate distribution of the more common species in the province. How tracking efforts by CDC may shift, depending on deliberations by the Species at Risk Coordination Office, remains unclear.

Table 1. Number of taxa or populations tracked by the BC Conservation Data Centre, and the number of exotics and the number of species or lower taxa for which provincial responsibility was estimated for 11 major groups of organisms occurring in British Columbia.

Group	Tracked by CDC ¹		Exotics	Responsibility	
	Species	Subspecies ²		Species	Subspecies ²
Mosses	2	0	7	253	32
Monocot plants	124	21	135	448	168
Dicot plants	309	142	543	921	654
Non-marine molluscs	51	0	31	155	0
Odonata	20	0	0	88	0
Butterflies	44	26	2	186	27
Freshwater fish	37	12	14	80	14
Amphibians	9	0	2	20	8
Reptiles	9	2	2	16	12
Birds	82	27	16	360	198
Mammals	42	31	11	138	236

¹ CDC tracks only the red- and blue-listed species ² Subspecies are tallied only when there are two or more for a species within the province and include varieties and populations

Generally, we did not estimate responsibility for exotic or introduced species except in a few instances where they clearly are well-established parts of the fauna. Nor did we estimate responsibility for ‘accidentals’. We applied the concept of responsibility to 2665 species and 1349 subspecies, varieties or populations (Table 1). That number is markedly greater than the number CDC’s resources currently allow it to track. It exceeds the number of species for which CDC estimates conservation status marginally, through instances where the species has been newly reported for the province or there appears sound evidence that a taxon currently designated as an infraspecies should be recognized as a full species. The number of subspecies for which we estimated global

responsibility is markedly higher. Some of these are dubious as noted, but many are well recognized (e.g., Stone's sheep, black-tailed deer).

For most groups of organisms, we added (red font) species or subspecies not on lists provided by CDC but for which there is evidence of their occurrence in British Columbia. There is uncertainty around many of these species or lower taxa, whether or not they are listed by CDC. For example, Cook et al. 2005) argued that the Western Pond Turtle is not native to the province. We followed CDC's designation of 'extinct' and it is not tallied among the exotic species in Table 1.

Taxonomic issues are present throughout but are more evident within some groups. Problems in estimating stewardship are sometimes specific to particular groups of organisms. Those and broad patterns within groups of organisms are summarized below. To describe stewardship we used the classes described in Section 3, including the modifiers. In total, stewardship classes were assigned to 4014 species, subspecies, varieties and populations. Electronic files frequently include more information than the print files (Appendices 1 through 11).

Mosses: A major stumbling block was the lack of a definitive list of "The Mosses of BC". The list used by CDC is incomplete and uses taxonomy that is generally out of date. The list recently compiled by Dr. Wilf Schofield and Olivia Lee specifically for the province is the most complete, but differs somewhat from the online *Bryophyte Flora of North America*, which is intended to be the current taxonomic standard. The lack of an agreed-upon list is partially the result of shifting and occasionally contentious taxonomy. Although progress was made on a more complete listing, for simplicity, we finally chose to focus on the list currently maintained by CDC with a small number of additions and deletions. We had sufficient time to evaluate only 285 of 873 taxa potentially occurring within the province.

The relatively small portion of exotics within the moss flora (7/292 or 2.4%) may reflect the antiquity of the global moss flora; most 'weedy' mosses have had millions of years to disperse widely and show a global distribution. Conversely, other moss species demonstrate extreme habitat specificity and some show very limited dispersal capability. Both features lead to isolation and speciation. Of the 285 moss taxa evaluated we found only one endemic to the province (Tables 2 and 3), but a considerable number of regional endemics restricted to the Pacific Northwest (e.g., *Sphagnum schofieldii*, *Sphagnum sjorsii*, *Crumia latifolia*, *Dicranella pacifica*). These taxa are highlighted in the more extensive electronic file. Estimates of responsibility for mosses necessarily were derived from a wide variety of sources, many noted in the electronic file.

Table 2. Distribution of organisms native to British Columbia by responsibility class and broad taxonomic group for full species.

Group	Stewardship Class							Disjunct	
	7	6	5	4	3	2	1	D1	D2
Mosses	1		3	9	27	101	112	21	33
Monocot plants			2	15	62	120	249	9	0
Dicot plants	4	4	21	60	179	167	486	7	0
Non-marine molluscs ¹	2	2	4	9	21	64	53	3	2
Odonata				1	9	54	22	0	0
Butterflies	0	0	1	5	19	70	91	4	7
Freshwater fish	17	1	5	15	9	15	25	8	1
Amphibians			1	7	1	1	10	3	0
Reptiles				1	2	2	11	2	0
Birds		6	5	13	26	183	114	0	1
Mammals	1	3	2	8	19	60	45	0	0
All species	25	16	44	143	374	837	1218	57	44

¹ Two marine species are included in the 'non-marine' file sent by CDC

Monocotyledonous plants: Exotics comprise almost one quarter (23%; 135/583) of the taxa recognized (Table 1). The province does not contain large areas of lower elevation where monocots tend to do better – grasslands and wetlands. In part, because favourable habitat is scattered and not abundant, about 82% of the species apparently native to British Columbia (369/448) are 'peripheral' having less than 10% of their range within the province (Table 2). The comparable value for subspecies and varieties is 77% (130 or 168; Table 3). Issues of inconsistent taxonomy were especially evident among more diverse groups, such as *Carex* and its close allies. No species and only 2 subspecies or varieties fall into class 6 or 7, with 75% or more of their range within the province. While Douglas et al. (1998-2002: volumes 6,7, and 8) was the primary source for provincial distributions, responsibility was based on a wide variety of sources including visits to herbaria in adjacent states.

Dicotyledonous plants: Exotics comprise almost 40% (543/1464 = 37%) of the taxa recognized for the province (Table 1). In most instances their non-native status is clear. CDC does not have the funding to track exotics within the province, but given that 37% of the taxa are exotic there undoubtedly are effects that currently are not quantified. Among full species, provincial responsibility is 75% or greater for <1% of species and 30% or greater for only 9.6%. Species with only 10% or less of their range within the province comprise 71% of the dicot flora. The values differ little for subspecies or varieties. The province has >75% responsibility for <1% of the taxa, and >30% responsibility for only 6.7% of the flora. Species having 10% or less of their range within the province comprise 78% of the flora. Note that neither gymnosperms nor ferns and fern allies were included in the species lists provided by CDC. Douglas et al. (1998-2002) again was the primary source for provincial distributions (volumes 1 through 5,

and 8), while responsibility was based on a wide variety of sources including visits to herbaria in adjacent states.

Table 3. *Distribution of organisms native to British Columbia by responsibility class and broad taxonomic group for subspecies, variety and populations.*

Group	Stewardship Class							Disjunct	
	7	6	5	4	3	2	1	D1	D2
Mosses				2	4	12	14	2	4
Monocot plants	2	0	2	7	27	50	80	0	0
Dicot plants	1	2	13	28	100	169	341	7	0
Non-marine molluscs ¹	0	0	0	0	0	0	0	0	0
Odonata ¹	0	0	0	0	0	0	0	0	0
Butterflies	2	20	6	3	4	0	14	0	0
Freshwater fish	7	2	0	2	1	0	2	0	0
Amphibians	0	0	1	4	2	0	1	0	1
Reptiles	0	0	1	2	0	1	8	0	0
Birds	13	9	10	32	28	47	60	1	0
Mammals	46	14	21	38	42	16	59	1	2
All subspecies	71	47	54	116	204	282	565	9	3

¹ No subspecies of non-marine molluscs or Odonata were reported.

Non-marine molluscs: Freshwater molluscs are considered to be the most endangered taxonomic group in North America (71 mussel species appear on the US Endangered Species list). Although most non-marine molluscs do not disperse well, adults and eggs can be moved passively over long distances by wind, water, birds and mammals. Because they are small they also are dispersed readily in soil around imported plants. Given their limited active dispersal, the proportion of exotics is thus relatively high ($31/98 = 16\%$), most of which are native to Europe and Asia. All but two exotics are terrestrial, indicating the restrictions to movement imposed by aquatic environments. The greatest agricultural pests are among exotics, the *Arion* species and *Deroceras reticulatum*. Some species like *Oxychilus draparnaudi* and *Aegopinella nitidula* may become important predators on native terrestrial molluscs.

Responsibility classes for this group as a whole are somewhat suspect simply because they are not well sampled. We were unable to assign reliable responsibility for 35, or about 21%, of the native species. Estimates for the remaining species are as good as available data allowed, but we acknowledge that data for this group were spotty. The lack of good documentation of species' distributions also means that our ability to assess disjunct populations also is limited. We suspect the number of disjunct populations is higher than that summarized in Table 2. A total of 117 of the 132 species for which we estimated responsibility are peripheral (89%); 8 species appear to be stewardship class 5 or higher (>50%). Provincial distributions of slugs and snails were largely derived from Forsyth (2004); for other taxa a wide variety of sources was used.

Odonata: We found no evidence of exotic dragonflies or damselflies occurring within the province; nor of subspecies. The species present tend to have large global ranges (55 of 86 or 64% of the species present). As a result 88% of the species present within the province are peripheral – 10% or less of their global range occurs in British Columbia. The single species for which the province has potentially significant responsibility is the black petaltail, *Tanypteryx hageni*, class 4 (30 to 50% responsibility). Cannings (2002) was the primary source for provincial distributions, augmented by a variety of sources to obtain estimates of global distribution.

Butterflies: A major issue with the butterflies is taxonomy. Guppy and Shepard (2001) include almost 70 more subspecies than are on the CDC list. Many of these do not appear to have the same support as subspecies we have included in other groups (e.g., large mammals). However, they are recognized by local authorities, and for that reason we included the 22 subspecies designated class 5 or higher in our treatment of stewardship responsibility. The issue of taxonomy merits attention. Among the groups treated, butterflies also appear to be one of the least extensively sampled groups within the province. One result is that there is lack of certainty about whether ranges that appear disjunct are truly disjunct, or simply lacking intervening samples. The relatively high incidence of disjunct populations found among butterflies (5.9%) may reflect mobile species' responses to scattered habitat or incomplete sampling. Only two exotic butterflies appear present. At the full species level, only one species occurs in responsibility class 5 or higher, Vidler's alpine (*Erebia vidleri*). A full 87% (161 of 186) of the species within the province are peripheral. Comparable values for subspecific levels are greatly dependent on the taxonomy employed. We omitted many subspecies (all of those of stewardship responsibility class 4 and lower) that Guppy and Shepard (2001) report as present within the province but that are not listed by CDC. Guppy and Shepard (2001) was the primary source for provincial distributions, interpreted within a wide variety of additional sources.

Freshwater fish: As expected, given the province's glacial history and the constraining nature of water bodies, freshwater fish show the highest rates of endemism, evident at both the specific and subspecific levels – 19% and 50%, respectively. For the same reasons, the proportion of disjunct populations within species is high, >10%. Although fish taxonomy is unclear, even at the species level, it appears better to consider it unsettled than as dubious. The populations are clearly separate, but have yet to be formally named. Of the 102 species present in provincial waters, 14 (13.7%) are exotic. Although this value is not nearly so high as that for dicotyledonous and monocotyledonous plants, the impacts have been significant, including the extinction and near extirpation of several aquatic species. The restrictive nature of water bodies and voracious nature of some of these exotics focuses and strengthens their impact. We believe that one species within the CDC list has been reported only from oceanic waters, and not from freshwater, the green sturgeon (*Acipenser medirostris*). Primary sources for estimated responsibility of freshwater fishes were: Fish Wizard, Cannings and Ptolemy 1998, Page and Burr 1991; Scott and Crossman 1998).

Amphibians: British Columbia is a not a convivial place for amphibians, which attain much higher richness in warmer climates. Of the 20 species present, 11 (55%) are peripheral. There is a small group of amphibians adapted to cooler climates, and these are well represented within the province with 8 species (40%) falling into stewardship classes 4 and 5 – 30% to 74%. Only two exotic species are reported for the province. But, as for the introduced fish, the nature of their habitat and feeding increases their

impact. The bullfrog (*Rana catesbeiana*) has had serious impacts on the native amphibian fauna, and merits tracking by CDC. Provincial distributions were checked against data of the Biodiversity Centre for Wildlife Studies, then interpreted within a wide variety of sources.

Reptiles: As for amphibians, the province is not a convivial place for reptiles. Of the 16 species present, 13 (81%) are peripheral. The value is similar for subspecies, 9 of 12 (75%). The species for which the province has the highest responsibility is the northwestern garter snake (*Thamnophis ordinoides*), for which the province has somewhat over 30% of the global range. Similar or somewhat higher responsibility exists for three subspecies. There are only two recorded introduced species, and only one – the red-eared slider (*Trachemys scripta elegans*) – is a serious threat to the native fauna (Bunnell 2005). Provincial distributions were checked against data of the Biodiversity Centre for Wildlife Studies, then interpreted within a wide variety of sources.

Birds: Birds have the largest proportion of migratory species – some of which merely migrate through, some of which only breed within the province, and some of which are resident. The nature of their responsibility rating is qualified by a suffix: [b] breeding, [m] migration, [r] resident year round, v [vagrant] and [w] winter. For many species the taxonomy at the subspecific level is unsettled. Where there appeared to be more general agreement we have entered subspecies. For provincial distributions we utilized Campbell et al. (1990a,b,1997,2001). For the wider context we chose one major source: the American Ornithological Union as commented on by authors in Birds of North America Online [BNAO]; distributions are primarily from the Birds of North America Online with local refinement from data of the Biodiversity Centre for Wildlife Studies. Where the American Ornithological Union recognizes more than 10 subspecies and boundaries of these are ill-defined, subspecies are not noted. Likewise, where there are fewer subspecies recognized but field discrimination between subspecies leads to ill-defined definitions of distribution (e.g., Willow Flycatcher, Brown Creeper) we have not included subspecies, even when more than one is reported from the province.

Many bird species have a large global distribution with one subspecies present in Canada and the continental United States and another one or more in Europe, Asia or parts of Mexico and farther south (e.g. Clark's Grebe, Pied-billed Grebe, Mallard). That subspecies is indicated in red font, but the taxon is tallied as a species in the Tables. In these cases size of the global breeding range and stewardship responsibility are estimated for the subspecies, but description of the distribution often includes the portion outside North America. In other cases, only one of several subspecies present in Canada and continental US occurs in British Columbia (e.g. Northern Fulmar, Green Heron, Short-billed Dowitcher), or more than one subspecies occurs within the province (e.g., Pelagic Cormorant, Sharp-tailed Grouse, Hairy Woodpecker). When these subspecies are not on CDC lists they also are indicated in red font. Where more than one subspecies occurs in Canada and the continental United States, size of breeding range and responsibility are estimated for both the species and the subspecies. Supportive databases are large for birds, so we often have estimated the provincial portion of national responsibility at the species level. Disjunct populations can be found only among resident taxa.

At least 16 exotic bird species have been reported for the province; most appear relatively innocuous. Because birds are so mobile, an additional 131 species erratically enter the province (e.g., Black-throated Sparrow, Rustic Bunting). We followed CDC

and considered these species 'accidental'. Responsibility cannot be estimated for these species other than to note that it is very low.

Mammals: Marine mammals present particular difficulties. It is more problematic to associate these species with jurisdictions. The decision regarding global range was arbitrary: if found in one or two adjacent oceans (e.g., Pacific Ocean and Bering Sea; or Atlantic and Caribbean) it was designated S or small; if found broadly in North American or temperate waters it was designated M or Medium; if found worldwide, the global range was designated L or Large. Data on the proportion of a species migrating through provincial waters is less clear than for bird species migrating through the province and resident or migratory status was not specified (e.g., Killer Whale populations). It is likely that the responsibility rating assigned certain species is lower than the highest seasonal concentration; examples include northern fur seal, California sea lion, and northern elephant seal. The problem of assessment is similar among the whales.

Mammal taxonomy also is a recurrent problem, particularly at the subspecific level. In this case, it is more fitting to view the taxonomy as dubious rather than unsettled. We nonetheless included all subspecies treated by Nagorsen (1996, 2005), many of which are not listed by CDC or tracked in NatureServe. Most are, however, treated in Mammalian Species Accounts of the Society of Mammalogists.

Impacts of the 11 exotic species in the province can be severe, but are generally localized. Of the 138 mammal species within the province, most are small and 76% (105) are peripheral. There is only one endemic species, the Vancouver Island marmot (*Marmota vancouverensis*), and its status as a full species is dubious; divergence levels from the Hoary Marmot in mtDNA are well below the species level (e.g., Nagorsen 2005). Endemism is more evident at the subspecific level and rivals that of freshwater fish (46 of 236 subspecies and populations or 19.5%). That value is dubious, however, without rigorous taxonomic evaluation. A minority of subspecies or populations are peripheral (75 of 236 or 31.8%). Most of the provincial distributions were derived from sources specific to British Columbia – Nagorsen (1996, 2005), Nagorsen and Brigham (1993), Shackleton (1999). The other primary source, useful in providing broader context, was the Mammalian Species Accounts of the American Society of Mammalogists.

4.2 Ecosystems

The major barrier to assigning responsibility to ecosystems is the issue of taxonomy. We noted earlier that there is far less agreement on what is the same ecosystem than on what is the same species, and that we should not expect close agreement because ecosystems are aggregations of species whose boundaries we determine more arbitrarily than we assign species designations. The lack of unequivocal identity necessarily impedes calculation of area occupied.

These issues were addressed at a meeting on 13 October, 2006 in Victoria that included Carmen Cadrin, Adrian Walton, Will Mackenzie (for Del Miedinger), Ted Lea, Matt Austin and Laurie Kremsater. The meeting discussed which ecosystems were best suited the purposes of the Biodiversity Action Plan program and how to look at stewardship responsibility for those. It was decided that assigning stewardship responsibility was feasible for the Zone level of the BEC classification, but not at the subzone level. The ongoing project of Cadrin, Miedinger and Mackenzie to map finer ecosystems of B.C.

(approximately to level of plant associations) across provincial and country boundaries will allow assignation of stewardship responsibility to those units as well. That project may require two years to complete. During the interim (and apparently within the next few weeks), Mackenzie and Walton are tasked with using the Shining Mountains maps (created by Dennis Demarchi in 1998 and updated in 2002) to examine how much of each Zone falls in B.C. The Shining Mountain maps use old BEC classification and, in some cases, an approximation to BEC classification, so updating and new approximations are required.

At the meeting, Carmen Cadrin was tasked with examining a program by NatureServe that evaluates threats, feasibility, and stewardship to assign S and G ranks to ecosystems. Once the percent of the range of the Zones in B.C. is known, and Carmen has examined the NatureServe program for assigning S and G ranks, Laurie Kremsater has agreed to organize and report on a meeting to develop the S and G ranks, or conservation priority for those zones. Bunnell, Cadrin, Kremsater, Mackenzie, and Walton are probable attendees. Timing is unknown as the steps noted must first be undertaken. Further progress on this topic will thus occur outside this current project and contract.

A. Harcombe (pers. comm.) noted that NatureServe has created a standardized classification of plant communities for the United States and ranked those. Canada is working on a similar product, and crosswalking our classes to the appropriate classes in the United States where appropriate. For British Columbia coastal, subboreal, and some interior plant communities have been described and ranked globally. The work is continuing. Ken Baldwin, curator of the Great Lakes Forestry Centre Herbarium at Sault St. Marie, has the lead on the boreal plant communities. Given that the work is well underway and ongoing for plant communities within the province, there was little reason for this report to address the issue, beyond the points noted. For those forest companies seeking SFI certification there may be incentive to assist the initiative (SFI uses global ranks of plant communities within its certification standards).

4.3 Constellations of Species

As noted under methodologies, constellations of species are more complex to deal with than species or ecosystems. A significant challenge is the requirement of digital range maps for individual species. First, however, potential candidate groups must be selected. These are intended to represent conservation opportunities that exist within the province and either do not exist, or exist to a much lesser extent, elsewhere. We note 5 potential areas or groups that merit further study.

1) Large predator-prey systems: The high richness of British Columbia's ungulate and large carnivore fauna has been known for decades (Bunnell and Williams 1980). Lalliberte and Ripple (2004) have documented range contraction of 17 species within these two groups in North America. Both groups show a marked contraction of their ranges towards and into British Columbia. In fact, British Columbia currently appears to be the only north temperate region where historical large predator-prey systems are still intact. Some taxa (e.g., Stone's sheep) show an increase in their range within the province (Lalliberte and Ripple 2004), which now hosts about 70% of the global population (Shackleton 1999). Obvious concentrations of large carnivores and ungulates occur in the east Kootenay and the Muskwa Kechika. Data provided by Lalliberte and Ripple (2004) make a compelling argument for the impact of human

density and conversion of ecosystems as the primary factor driving range contraction (see also Ceballos and Ehrlich 2002). Both the east Kootenay and Muskwa Kechika merit attention in terms of the opportunity for preserving large predator-prey ecosystems. Given the role played by human development, success is more likely in the Muskwa Kechika.

We did not have the time or resources to implement the approach of Laliberte and Ripple (2004), but we can summarize their data to reveal broad ecosystems that appear to be most heavily impacted (Table 4). The pattern of range contraction is what would be expected from patterns of human inhabitation and ecosystem conversion. Contraction has been greatest in the drier grassland and shrubland ecosystems where human habitation can be dense and alteration through agriculture is intensive. The boreal forest shows the least loss of range among large carnivores and ungulates.

Table 4. Mean percent of historic range lost in major ecosystems for large carnivores (9 species) and ungulates (5 species) occurring within British Columbia (derived from data in Laliberte and Ripple 2004)

Forests			
	Temperate Conifer	Boreal	Grasslands & Shrublands
Carnivores	32.9%	14.8%	78.3%
Ungulates	42%	15.7%	90%

The lack of any widely applicable taxonomy of broad ecosystem types prohibits relating these patterns unequivocally to particular BEC zones. It is apparent, however, that the drier warmer ecosystems show the most impact. That also is obvious among smaller organisms at risk within the province (e.g., vascular plants, reptiles, birds, small mammals). Given that success in conservation is so dependent on an early start, it suggests that conservation funding will be most cost-efficient and effective when allocated to boreal regions.

2) Caribou Chilcotin wetlands and Columbia Wetlands: Both areas host not only a high richness of breeding birds, but also serve as important staging areas for migrating bird species that nest elsewhere in the province or farther north. That is, their contribution to sustaining biological diversity extends well beyond the resident species. Preliminary examination reveals that this richness is not restricted to birds among vertebrates and extends beyond vertebrates. In both cases, it is possible that appropriate action taken soon could either forestall or significantly reduce the harmful effects of climate change. The conservation issue is made more pressing because wetlands farther south are under even greater threat. Richness for the vertebrates within the two areas could be documented by the Biodiversity Centre for Wildlife Studies using NTS grid cells. Natural history data could then be used to indicate those specifically dependent on the wetland environment. The same source could be used to identify more specifically contributions made by existing conservation efforts (e.g., Bummers Flat). Combined these activities could focus conservation efforts to maintain a site critical to many species within the province.

3) Pacific Flyway: The Pacific Flyway remains the most intact of all of North America's flyways. Part of the reason is that feeding and staging routes along the Alaskan and British Columbian coast have received less impact than elsewhere along the flyway. Large proportions of the global population of numerous species use the feeding and staging areas. Although their use is temporally limited, and some do not breed within the province, the use is vital to their sustained breeding. Within the province, most conservation effort to date has focused on southwestern British Columbia (e.g., Boundary Bay), where impacts are growing – particularly within the backshore. Effort there is merited because of growing impacts, but the flyway should be treated as an integrated whole. That could be done for British Columbia, because of the long series of data hosted by the Biodiversity Centre for Wildlife Studies. The most significant staging areas and their relative use could be identified. While it is apparent that areas in the extreme southwest, such as Boundary Bay, are critical, it is likewise apparent that other areas along the coast merit attention if the integrity of the flyway is to be sustained within the province.

4) 'Fishless' water bodies, particularly lakes and ponds: We appreciated this conservation opportunity late, when we were working on threats for the Species at Risk Coordination Office. One of the major threats to a number of amphibians (frogs and at least one salamander), plus native fish, has been the introduction of game fish into water bodies otherwise free of game fish. Within the province this has led to extinction of two stickleback species, as well as local extirpation of a variety of amphibian species. Game fish introductions also impact species that are primarily terrestrial. British Columbia, for example, hosts the large majority of the world's population of Barrow's Goldeneye. Barrow's Goldeneye feeds primarily in aquatic invertebrates that are consumed by game fish; so does the Northern Waterthrush (the province hosts over 50% of Canada's population and one subspecies appears restricted to the province).

Because we were late in appreciating this, our assessment is necessarily preliminary. It is clear, however, that British Columbia has not experienced the introduction of game fish to near the same degree as has happened elsewhere, particularly in the United States. Given the significance these water bodies have and the well-documented impacts of not protecting them from introductions, their distribution within the province and practices impacting them merit attention.

Two other groups that are not locally concentrated merit consideration because preliminary examination suggests that significant contributions could be made with relatively little effort or cost.

5) Regional endemic mosses: A partial list of mosses occurring in British Columbia and endemic to the Pacific Northwest includes:

Andreaeobryum macrosporum

Atrichum selwynii

Barbula convoluta var. *gallinula*

Brachydontium olympicum

Buxbaumia piperi

Coscinodon calyptratus

Coscinodon yukonensis

Fissidens pauperculus

Fissidens ventricosus

Grimmia attenuata

Meiotrichum lyallii

Pogonatum contortum

Polytrichastrum alpinum var. *sylvaticum*

Scouleria marginata

<i>Crumia latifolia</i>	<i>Seligeria careyana</i>
<i>Dicranella pacifica</i>	<i>Sphagnum alaskense</i>
<i>Dicranum howellii</i>	<i>Sphagnum inexpectatum</i>
<i>Dicranum pallidisetum</i>	<i>Sphagnum mendocinum</i>
<i>Didymodon vinealis</i> var. <i>rubiginosus</i>	<i>Sphagnum pacificum</i>
<i>Ditrichum montanum</i>	<i>Sphagnum schofieldii</i>
<i>Ditrichum schimperi</i>	<i>Sphagnum sjorsii</i>
<i>Fissidens aphelotaxifolius</i>	<i>Sphagnum wilfii</i>

Other regional endemics within the bryophytes include: *Blespharostoma arachnoideum*, *Dendrobazzania griffithiana*, *Cololejeunea macounii* and *Chandonanthus hirtellus* among the liverworts. The hornwort *Phaeceros hallii* is endemic to PNW, and occurs at about four locations in south-coastal British Columbia (Victoria and Gulf Islands; Ryan 1996). Almost a third of all occurrences of rare bryophytes within the province occur in the Coastal Western Hemlock Zone (Ryan 1996). Areas particularly rich in bryophytes include the Queen Charlotte Islands, Brooks Peninsula on Vancouver Island, and the lower mainland. Over half of the rare species found in this zone are not found in other BEC zones, including 12 liverworts and 27 mosses. Unfortunately, one of these species, *Bryhnia hultenii*, is known only from a single locality (Inver Creek near Prince Rupert), which has since been logged, and it is doubtful that this species is extant in British Columbia.

First steps in evaluating conservation opportunities for these are: 1) complete the list, 2) evaluate the degree to which the flora is shared with other jurisdictions in the Pacific Northwest, 3) assess which species occur in protected areas, 4) determine habitat affinity for the species, 5) compare apparent requirements with those of regional endemic lichens. Step 2 provides an estimate of provincial responsibility for a group of species having limited ranges. Step 3 assesses the degree of protection already afforded these species. Step 4 refines estimates of conservation opportunities and tactics. For example, some species are wetland associates while others live on trees or dead wood and could be addressed by appropriate forest practices. Step 5 is intended to evaluate whether the number of organisms suitable for similar conservation tactics is larger than for bryophytes alone.

6) Regional endemic lichens: There appear to be more regional endemic lichens than mosses (Brodo and Ley 1998; Goward et al. 1998; McCune and Geiser 1997) Selected species include:

<i>Alectoria imshaugii</i>	<i>Lobaria silvae-veteris</i>
<i>Bryoria carlottae</i>	<i>Massalongia microphylliza</i>
<i>Bryoria cervinula</i>	<i>Neofuscelia subhosseana</i>
<i>Cladonia schofieldia</i>	<i>Nephroma occultum</i>
<i>Fuscopannaria pacifica</i>	<i>Physcia tribacia</i>
<i>Fuscopannaria alaskana</i>	<i>Pseudocyphellaria mallota</i>
<i>Hypogymnia heterophylla</i>	<i>Pseudocyphellaria perpetua</i>
<i>Leptogium polycarpum</i>	<i>Pseudocyphellaria rainierensis</i>
<i>Leptogium tacomae</i>	

Steps in assessing the current status of these and other regional endemic species, and the protection currently offered them are the same as for the bryophytes. Step 1, a complete list, could be completed readily. Much of the information already has been collated (Brodo and Ley 1998; Goward et al. 1998; McCune and Geiser 1997). Step 2 is relatively easy, because Trevor Goward has completed most of the maps on a regional basis; that is, there are species maps for endemics of the Pacific Northwest, but these are not digital. With maps in hand, step 3 can be accomplished, even with paper maps. Step 4 is partially complete. Many of the regional endemic lichens are epiphytic or occur on down wood. As a general rule, the endemic species are restricted to standing wood; the closer to the ground the lichen's niche, the more likely it is to be circumboreal. Spribille et al. (2006) have treated species on dead wood; Goward and Ahti (1992) have addressed the epiphytes. Regional endemics are present among several epiphytic genera, including: *Ahtiana*, *Hypogymnia*, *Parmelia*, *Platismatia*, *Tuckermanopsis* and *Vulpicida*. Given the expected similar habitat affinities for many species step 5 should be conducted jointly for bryophytes and lichens.

5. Utility of Stewardship Responsibility in Guiding Conservation Actions

It is important to acknowledge that jurisdictional responsibility is completely unrelated to the risk status of a species or ecosystem at the global scale (other than for endemics). Responsibility provides some insight into risk at the jurisdictional level, simply because species that have only a small portion of their range within BC are necessarily relatively rare and vulnerable to chance events within the province.

The utility of stewardship responsibility lies in the guidance it can give to the allocation of resources to conservation actions within the jurisdiction. Even at this scale, responsibility cannot be interpreted outside a broader context. That is, there cannot be an arbitrary cutoff for conservation actions based solely on stewardship responsibility. There are several reasons why an arbitrary cutoff is inapplicable and can achieve undesirable results:

- 1) A species may be declining throughout its range and the proportion within a jurisdiction, even though small, may represent an opportunity for effective conservation action.
- 2) There are many widespread species for which no jurisdiction has >10% global responsibility. Conservation actions for widespread species at risk should be shared equally among jurisdictions (Mehlman et al. 2004). In British Columbia these are almost always peripheral (i.e., <10% of their global range within the province). Responsibility must be treated differently for widespread species for which many jurisdictions host less than 10% of the global population. In the Appendices, the large global range of these species is noted; whether they merit conservation action is a function of their global T ranks.
- 3) Some peripheral disjunct populations merit separate scrutiny for their potential contribution to genetic variability. These may be species in the making. Bunnell et al. (2004) review criteria that can be used to assess that potential. Disjunct populations are indicated in the Appendices. As noted, the criterion for designating a population as disjunct within the Appendices is arbitrary and evaluation of the criteria suggesting contribution to genetic variability must be species specific. Moreover, a species distribution could be disjunct from areas of greater threat – which is a quite different, but important concept; see 4)

- 4) Peripheral disjunct populations also merit a higher responsibility score when the taxon is declining elsewhere in its range, but is stable or increasing in the jurisdiction (e.g., Lomolino and Channell 1995).
- 5) Some peripheral populations can be maintained with very little expense (e.g., Purple Martin). That small effort may be significant in maintaining the species.
- 6) The proportion of migratory populations within the province varies seasonally. For migratory birds we have indicated seasons separately and reported the season of highest aggregation or highest responsibility.

The preceding caveats apply to the use of an *arbitrary* cutoff that ignores other important features. An arbitrary level can still be of significant help in focusing where effort should be spent evaluating additional features. The primary utility of stewardship responsibility will remain as an index to focus such effort and as a planning tool to make conservation efforts more effective. It achieves the latter in three broad ways:

- a) Conservation effort is focused where it is most likely to be effective. The most compelling reason for applying stewardship responsibility is that the likelihood of successful outcomes is greatly enhanced where populations are larger and more concentrated (Abbitt & Scott 2001; Clark et al. 2002; Elphick et al. 2001).
- b) Proactive responses, that are more likely to produce success, are encouraged by closely examining species that are not yet rare but are declining or under imminent threat. Considering stewardship responsibility helps ensure that species currently too abundant to appear on 'at risk' are not overlooked when declines are small but continuous.
- c) A more equitable allocation of resources for conservation across jurisdictions is encouraged.

The approach is proven and the utility of employing stewardship responsibility for ranking jurisdictional conservation concerns for species has been reported for individual states (e.g., Atwood 1994) and nations (e.g., Avery et al. 1995; Bunnell et al. 2004; Eaton et al. 2005; Keller and Bollman 2004; Keller et al. 2005).

6. Barriers to Assessing Stewardship Responsibility

Implementation of stewardship responsibility has been advocated by many (e.g., Avery et al. 1995; Bunnell et al. 2004; Dunn et al. 1999; Eaton et al. 2005; Keller and Bollman 2004; Keller et al. 2005; Panjabi et al. 2005), and is one of the principles within IUCN guidelines. When following these guidelines, the apparent failures of agencies to guide conservation efforts effectively appears to result from following 'at risk' lists and an overly optimistic application of the 'rescue effect' from adjacent jurisdictions (Avery et al. 1995; Eaton et al. 2005; Gärdenfors et al. 2001; Keller and Bollman 2004). Conceptually, the concept of stewardship responsibility appears sound. The difficulty appears during assessment of such responsibility. Most workers advocating the application of stewardship have avoided the tedium of estimating proportions or ranges or populations; Partners in Flight is an exception and provides useful estimates for landbirds. Major barriers in assessing stewardship (no rank implied) are:

- 1) **Effort.** There very rarely is a single source from which the estimate can be derived (see steps for range above). For British Columbia, a large portion of this effort has been completed within Forest Science Program grants to F. Bunnell, and refined within this project. That reduces the necessary effort substantially, and subsequent updating or stewardship assessments could be assigned to species for which assessment is believed most likely to influence actions within the province.
- 2) **Accuracy.** The scale or context (e.g., accurate global range) changes at an unknown but surely variable speed. This is a barrier only if expectations of accuracy and precision are high. Using classes, as described above, is a more realistic and practical approach. Note that it is primarily the extremes of the scale (e.g., classes 1, 2, 6 and 7) that are of most interest. Estimation at these extremes is the most likely to be accurate (Regan et al. 2005). The more troubling issue is how global warming is expected to cause rapid changes in range in British Columbia and globally (Bunnell et al. 2005).
- 3) **Taxonomy.** A consistent taxonomy is necessary to assess responsibility efficiently, because many sources must be employed. Consistent taxonomies are variably expressed across organism groups. Troublesome areas were summarized in Section 4.1 above. This is not a large barrier provided broad classes of responsibility are used. For ecosystems, identity and subsequent cross-walking across jurisdictions to determine area will remain a vexing challenge. The challenge can be accommodated somewhat by adopting more coarse discrimination, but that tends to omit ecosystems of particular interest. There never will be a taxonomy for constellations of species.
- 4) **Degree of discrimination.** We were advised to consider only the species level. Ignoring subspecies and populations would bypass the vexing issues of the Northern Spotted Owl (*Strix occidentalis caurina*) and caribou. However, provided the taxonomy is sound, it also bypasses the fundamental rationale for conserving biodiversity – the maintenance of genetic variation. We elected to consider subspecies, varieties and populations although that increased the effort substantially. It is clear, however, that finer levels of discrimination are much better supported in some groups (e.g., large mammals), than in others (e.g., small mammals, butterflies). These problems were recorded in Section 4.1. Fine discrimination likely will prove still more problematic for ecosystems, and presently only Zones of the BEC classification appear reasonably robust for any effort estimating responsibility. Conversely, the designation of disjunct populations could be refined beyond that in the Appendices, by recognizing more explicitly mobility of different groups.

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Appendix 1 Mosses - provincial responsibility.

Scientific Name	Subspecies or variety	BC Status	STATUS		RESPONSIBILITY			Global Range
			Global Rank	Prov Rank	COSEWIC	Species	Variety or Subspecies	
Andreaeales								
Andreaeaceae								
<i>Andreaea alpestris</i>		Y	G5?	S3S4				
<i>Andreaea blyttii</i>		Y	G5	S3S5				
<i>Andreaea heinemannii</i>		B	G3G5	S1S3				
<i>Andreaea megistospora</i>	<i>ssp. epapillosa</i>	B	G4G5T2T3	S2S3				
<i>Andreaea megistospora</i>	<i>ssp. megistospora</i>	Y	G4G5T3T4	S3S4				
<i>Andreaea mutabilis</i>		B	G5	S1S3				
<i>Andreaea nivalis</i>		Y	G5	S4				
<i>Andreaea obovata</i>		Y	G3G5	S3S5				
<i>Andreaea rothii</i>		B	G5	S2S3				
<i>Andreaea rupestris</i>	<i>var. papillosa</i>	B	G5TNR	S1S3				
<i>Andreaea rupestris</i>	<i>var. rupestris</i>	Y	G5TNR	S4				
<i>Andreaea schofieldiana</i>		B	G2G3	S1S3				
<i>Andreaea sinuosa</i>		R	G2	S1				
Andreaeobryales								
Andreaeobryaceae								
<i>Andreaeobryum macrosporum</i>		R	G2	S1		3		no
Bryales								
Aulacomniaceae								
<i>Aulacomnium acuminatum</i>		B	G3?	S1S3				
<i>Aulacomnium androgynum</i>		Y	G5	S4				
<i>Aulacomnium palustre</i>		Y	G5	S4				
<i>Aulacomnium turgidum</i>		Y	G5	S3S4				
Bartramiaceae								
<i>Anacolia menziesii</i>		Y	G4	S3S5				
<i>Bartramia halleriana</i>		R	G4G5	S1	T	1		D2 L
<i>Bartramia ithyphylla</i>		Y	G4G5	S3S5				
<i>Bartramia pomiformis</i>		Y	G5	S4				
<i>Bartramia stricta</i>		R	G2G4	S1	E			
<i>Conostomum tetragonum</i>		Y	G5	S3S5				

<i>Philonotis capillaris</i>		Y	G4?	S3S4
<i>Philonotis fontana</i>	var. <i>americana</i>	B	G5TNR	S2S3
<i>Philonotis fontana</i>	var. <i>fontana</i>	Y	G5T5	S3S5
<i>Philonotis fontana</i>	var. <i>pumila</i>	B	G5T4T5	S2S3
<i>Philonotis marchica</i>		B	G5	S1S3
<i>Philonotis yezoana</i>		R	G2G3	S2
<i>Plagiopus oederiana</i>		Y	G5?	S3S4
Bryaceae				
<i>Bryum algovicum</i>	var. <i>algovicum</i>	B	G4G5TNR	S2S3
<i>Bryum algovicum</i>	var. <i>rutheanum</i>	B	G4G5TNR	S1S3
<i>Bryum alpinum</i>		Y	G4G5	SNA
<i>Bryum arcticum</i>		B	G5?	S1S3
<i>Bryum argenteum</i>		Y	G5	S3S4
<i>Bryum bicolor</i>		Y	GNR	S3S4
<i>Bryum blindii</i>		R	G3G5	S1
<i>Bryum bornholmense</i>		Y	G4G5	SNA
<i>Bryum brachyneuron</i>		Y	GU	SNA
<i>Bryum caespiticium</i>		Y	G5	S3S5
<i>Bryum calobryoides</i>		B	G3	S1S3
<i>Bryum calophyllum</i>		B	G5?	S1S3
<i>Bryum canariense</i>		R	G3G5	S2
<i>Bryum capillare</i>	var. <i>barbatum</i>	B	G5TNR	S1S3
<i>Bryum capillare</i>	var. <i>capillare</i>	Y	G5T5	S3?
<i>Bryum capillare</i>	var. <i>flaccidum</i>	B	G5	S1S3
<i>Bryum capillare</i>	var. <i>torquescens</i>	B	G5TNR	S2S3
<i>Bryum cyclophyllum</i>		B	G4G5	S2S3
<i>Bryum erythroloma</i>		B	G4?	S2S3
<i>Bryum gemmiparum</i>		B	G3G5	S1S3
<i>Bryum laevifilum</i>		Y	GU	SNA
<i>Bryum lisae</i>	var. <i>cuspidatum</i>	Y	G5T5	S3S4
<i>Bryum lonchocaulon</i>		Y	G5?	SNA
<i>Bryum meesioides</i>		Y	G3G4	S3S4
<i>Bryum microerythrocarpum</i>		Y	G5?	SNA
<i>Bryum miniatum</i>		Y	G3G4	S3S4
<i>Bryum muehlenbeckii</i>		B	G4G5	S2S3
<i>Bryum pallens</i>		Y	G4G5	S3S4
<i>Bryum pallescens</i>		Y	G5	S3S5

<i>Bryum pseudotriquetrum</i>	var. <i>bimum</i>	B	G5TNRQ	S1S3	
<i>Bryum pseudotriquetrum</i>	var. <i>crassirameum</i>	Y	G5TNRQ	SNA	
<i>Bryum pseudotriquetrum</i>	var. <i>pseudotriquetrum</i>	Y	G5TNR	S3S5	
<i>Bryum ramosum</i>		Y	GU	SNA	
<i>Bryum salinum</i>		Y	G2G4	SNA	
<i>Bryum schleicheri</i>		B	G5?	S2S3	
<i>Bryum stenotrichum</i>		B	GNR	S2S3	
<i>Bryum tenuisetum</i>		R	G3G5	SH	
<i>Bryum turbinatum</i>		B	G5	S2S3	
<i>Bryum uliginosum</i>		B	G3G5	S1S3	
<i>Bryum violaceum</i>		R	G5?	S1	
<i>Bryum weigellii</i>		Y	G4G5	S3S5	
<i>Epipterygium tozeri</i>		B	G4?	S2S3	
<i>Leptobryum pyriforme</i>		Y	G5	S4	
<i>Mielichhoferia macrocarpa</i>		R	G2	S1	T
<i>Mielichhoferia</i>					
<i>mielichhoferiana</i>		R	G4?	S1	
<i>Plagiobryum demissum</i>		B	G3G5	S1S3	
<i>Plagiobryum zierii</i>		Y	G4G5	S3S5	
<i>Pohlia andalusica</i>		B	G3G5	S1S3	
<i>Pohlia annotina</i>		Y	G4G5	S3S4	
<i>Pohlia atropurpurea</i>		B	G4G5	S2S3	
<i>Pohlia bolanderi</i>		B	G3G4	S2S3	
<i>Pohlia brevinervis</i>		Y	G1G2	SNA	
<i>Pohlia bulbifera</i>		B	G4G5	S1S3	
<i>Pohlia camptotrachela</i>		B	G3G5	S1S3	
<i>Pohlia cardotii</i>		B	GU	S2S3	
<i>Pohlia columbica</i>		B	G3G5	S1S3	
<i>Pohlia cruda</i>		Y	G5	S4	
<i>Pohlia crudoides</i>		Y	G2G4	SNA	
<i>Pohlia drummondii</i>		Y	G3G4	S3S4	
<i>Pohlia elongata</i>		B	G4G5	S2S3	
<i>Pohlia erecta</i>		R	G3G5	S1	
<i>Pohlia filiformis</i>		Y	G4	S3S4	
<i>Pohlia filum</i>		B	G4G5	S2S3	
<i>Pohlia lescuriana</i>		B	G4?	S1S3	
<i>Pohlia longibracteata</i>		Y	G3G5	S3S5	

<i>Pohlia longicolla</i>		B	G4G5	S1S3
<i>Pohlia ludwigii</i>		B	G5?	S2S3
<i>Pohlia melanodon</i>		B	G4?	S1S3
<i>Pohlia nutans</i>		Y	G5	S4
<i>Pohlia obtusifolia</i>		B	G2G4	S2S3
<i>Pohlia pacifica</i>		B	GU	S1S3
<i>Pohlia prolifera</i>		Y	G4G5	S3S4
<i>Pohlia sphagnicola</i>		B	G2G3	S2S3
<i>Pohlia tundrae</i>		B	G2G3	S1S3
<i>Pohlia vexans</i>		B	G3G5	S2S3
<i>Pohlia wahlenbergii</i>		Y	G5	S3S4
<i>Rhodobryum roseum</i>		B	G5	S1S3
<i>Roellia roellii</i>		Y	G4	S3S4
Catoscopiaceae				
<i>Catoscopium nigratum</i>		Y	G4G5	S3S4
Hypopterygiaceae				
<i>Hypopterygium fauriei</i>		Y	G3G5	S3S4
<i>Hypopterygium japonicum</i>		Y	GNR	SNA
Meesiaceae				
<i>Amblyodon dealbatus</i>		B	G3G5	S2S3
<i>Meesia longiseta</i>		B	G4?	S2S3
<i>Meesia triquetra</i>		Y	G5	S3S4
<i>Meesia uliginosa</i>	var. <i>alpina</i>	B	G5TNRQ	S1S3
<i>Meesia uliginosa</i>	var. <i>uliginosa</i>	Y	G5TNR	S3S5
<i>Paludella squarrosa</i>		Y	G3G5	S3S4
Mniaceae				
<i>Cinclidium arcticum</i>		B	G4G5	S1S3
<i>Cinclidium stygium</i>		Y	G5	S3S4
<i>Cinclidium subtundum</i>		Y	GU	SNA
<i>Cyrtomnium</i>				
<i>hymenophylloides</i>		B	G5?	S2S3
<i>Cyrtomnium hymenophyllum</i>		B	G3G5	S2S3
<i>Leucolepis menziesii</i>		Y	G4	S4
<i>Mnium ambiguum</i>		Y	G5	S3S5
<i>Mnium arizonicum</i>		B	G5?	S1S3
<i>Mnium blyttii</i>		Y	G5	S3S4

<i>Mnium marginatum</i>	Y	G5	S3S5			
<i>Mnium spinulosum</i>	Y	G5	S4			
<i>Mnium thomsonii</i>	Y	G5	S3S5			
<i>Plagiomnium ciliare</i>	B	G5	S1S3			
<i>Plagiomnium cuspidatum</i>	Y	G5	S3S4			
<i>Plagiomnium drummondii</i>	Y	G4G5	S3S4			
<i>Plagiomnium ellipticum</i>	Y	G5	S3S5			
<i>Plagiomnium insigne</i>	Y	G4	S3S4			
<i>Plagiomnium medium</i>	Y	G5	S3S5			
<i>Plagiomnium rostratum</i>	Y	G5	S3S5			
<i>Plagiomnium venustum</i>	Y	G4	S3S5			
<i>Pseudobryum cinclidioides</i>	B	G5	S1S3			
<i>Rhizomnium andrewsianum</i>	Y	G3G5	SNA			
<i>Rhizomnium glabrescens</i>	Y	G4	S3S4			
<i>Rhizomnium gracile</i>	B	G4G5	S2S3			
<i>Rhizomnium magnifolium</i>	Y	G4G5	S3S5			
<i>Rhizomnium nudum</i>	Y	G4	S3S5			
<i>Rhizomnium pseudopunctatum</i>	Y	G5	S3S4			
<i>Rhizomnium punctatum</i>	B	G5	S1S3			
Timmiaceae						
<i>Timmia austriaca</i>	Y	G4G5	S4	2	no	L
<i>Timmia megapolitana</i>	B	G5	S2S3	2	no	L
<i>Timmia norvegica</i>	B	G4?	S2S3	1	no	L
<i>Timmia sibirica</i>	B	G5?	S1S3	1	no	L
Buxbaumiales						
Buxbaumiaceae						
<i>Buxbaumia aphylla</i>	Y	G4G5	S3S4	2	D2	
<i>Buxbaumia piperi</i>	Y	G4	S3S4	4	no	
<i>Buxbaumia viridis</i>	Y	G3G4	S3S4	3	D2	
<i>Diphyscium foliosum</i>	B	G5	S2S3	1	D1	
Dicranales						
Bruchiaceae						
<i>Trematodon ambiguus</i>	B	G5	S2S3			
<i>Trematodon boasii</i>	R	G1	S1			
<i>Trematodon montanus</i>	R	G1	S1			

Dicranaceae

<i>Aongstroemia longipes</i>		B	G3G5	S2S3	1	no
<i>Arctoa fulvella</i>		Y	G3G5	S3S5	1	no
<i>Campylopus atrovirens</i>		Y	G4G5	S3S4	2	D2
<i>Campylopus atrovirens</i>	var. <i>cucullatifolius</i>	Y	G4G5T4	SNA		synonym
<i>Campylopus flexuosus</i>		B	G5?	S2S3	1	D1
<i>Campylopus fragilis</i>		Y	G5?	S3S5	1	D1
<i>Campylopus gracilis</i>					3	D1
<i>Campylopus japonicus</i>		R	G3	S1		synonym
<i>Campylopus schimperi</i>		B	G3G4	S2S3	1	D2
<i>Campylopus schwarzii</i>		Y	G4G5	S3S4		synonym
<i>Campylopus sinensis</i>					1	D1
<i>Cnestrum alpestre</i>		B	G3G5	S2S3		
<i>Cnestrum glaucescens</i>		B	G3G4	S1S3		
<i>Cnestrum schisti</i>		B	G3G5	S1S3		
<i>Cynodontium jeneri</i>		Y	G5	S3S5		
<i>Cynodontium polycarpon</i>		Y	G3G5	S3S4		
<i>Cynodontium strumiferum</i>		Y	G3G5	S3S4		
<i>Cynodontium tenellum</i>		B	G3G5Q	S2S3		
<i>Dichodontium olympicum</i>		Y	G3G5	S3S5		
<i>Dichodontium pellucidum</i>	var. <i>flavescens</i>	Y	G4G5TNR	S3S4		
<i>Dicranella cerviculata</i>		B	G5?	S2S3	2	no
<i>Dicranella crispa</i>		Y	G3G5	S3S5	2	no
<i>Dicranella grevilleana</i>		Y	G3G5	S3S5		synonym
<i>Dicranella heteromalla</i>		Y	G5?	S3S4	2	no
<i>Dicranella howei</i>		R	GU	S1		synonym
<i>Dicranella pacifica</i>		Y	G4	S3S5	5	no
<i>Dicranella palustris</i>		Y	G5?	S3S5	2	D2
<i>Dicranella rufescens</i>		Y	G5?	S3S4	1	no
<i>Dicranella schreberiana</i>	var. <i>robusta</i>	B	G5TNR	S2S3		synonym
<i>Dicranella schreberiana</i>	var. <i>schreberiana</i>	Y	G5T5	S3S5		no
<i>Dicranella stickinensis</i>		R	G1	S1		synonym
<i>Dicranella subulata</i>		Y	G5?	S3S5	2	no
<i>Dicranella varia</i>		Y	G5	S3S5	2	no
<i>Dicranodontium asperulum</i>		Y	G4G5	S3S4	1	D2
<i>Dicranodontium denudatum</i>		Y	G4G5	S3S5	1	D2

<i>Dicranodontium subporodictyon</i>		B	G3	S2S3			synonym
<i>Dicranodontium uncinatum</i>		Y	G5?	S3S5	1		D2
<i>Dicranoweisia cirrata</i>		Y	G4	S3S4	2		no
<i>Dicranoweisia crispula</i>	var. <i>contermina</i>	B	G4G5TNR	S2S3			synonym
<i>Dicranoweisia crispula</i>	var. <i>crispula</i>	Y	G4G5TNR	S3S5		2	no
<i>Dicranoweisia crispula</i>	var. <i>roellii</i>	Y	G4G5TNR	SNA			synonym
<i>Dicranum acutifolium</i>		Y	G5?	S3S5	2		no
<i>Dicranum angustum</i>		B	G5?	S1S3			synonym
<i>Dicranum bonjeanii</i>		B	G4G5	S2S3	2		no
<i>Dicranum brevifolium</i>		Y	GU	S3S4	2		no
<i>Dicranum elongatum</i>		Y	G5	S3S5	2		no
<i>Dicranum flagellare</i>		Y	G5	S3S4	2		no
<i>Dicranum fragilifolium</i>		B	G4G5	S2S3	1		no
<i>Dicranum fuscescens</i>	var. <i>congestum</i>	R	G5TNRQ	SH			synonym
<i>Dicranum fuscescens</i>	var. <i>flexicaule</i>	B	G5TNR	S1S3		3	no
<i>Dicranum fuscescens</i>	var. <i>fuscescens</i>	Y	G5TNR	S4		2	no
<i>Dicranum groenlandicum</i>		Y	G5?	S3S4	1		no
<i>Dicranum howellii</i>		Y	G4	S3S5	3		no
<i>Dicranum leioneuron</i>		Y	G2G4	SNA	1		D2
<i>Dicranum majus</i>	var. <i>majus</i>	Y	G4G5TNR	S3S5		1	no
<i>Dicranum majus</i>	var. <i>orthophyllum</i>	B	G4G5TNR	S1S3		3	D2
<i>Dicranum montanum</i>		Y	G5	S3S4	1		no
<i>Dicranum muehlenbeckii</i>		Y	G3G5	S3S5	2		no
<i>Dicranum pallidisetum</i>		Y	GU	S3S5	4		no
<i>Dicranum polysetum</i>		Y	G5	S3S4	2		no
<i>Dicranum scoparium</i>		Y	G5	S4	2		no
<i>Dicranum spadiceum</i>		B	G5?	S2S3	2		no
<i>Dicranum tauricum</i>		Y	G4	S4	2		no
<i>Dicranum undulatum</i>		Y	G5	S3S5	2		no
<i>Dicranum viride</i>		Y	G5	SNA			synonym
<i>Kiaeria blyttii</i>		Y	G5	S3S5	2		no
<i>Kiaeria falcata</i>		Y	G5	S3S5	2		no
<i>Kiaeria starkei</i>		Y	G5	S3S4	2		no
<i>Oncophorus virens</i>		Y	G5	S3S5	2		no
<i>Oncophorus wahlenbergii</i>		Y	G5	S3S4	2		no
<i>Oreas martiana</i>		B	G5?	S1S3	1		D2

<i>Paraleucobryum enerve</i>		Y	G5?	S3S5	2		no	
<i>Paraleucobryum longifolium</i>		Y	G5	S3S4	2		no	
<i>Pseudephemerum nitidum</i>		R	G4	SX	1		D2	L
<i>Rhabdoweisia crispata</i>		B	G5	S2S3	1		no	L
Ditrichaceae								
<i>Ceratodon purpureus</i>	<i>var. conicus</i>					1	D2	
<i>Ceratodon purpureus</i>	<i>var. purpureus</i>	Y	G5T5	S4S5		2	no	
<i>Ceratodon purpureus</i>	<i>var. rotundifolius</i>	R	G5TNR	S1			synonym	
<i>Ceratodon purpureus</i>	<i>var. xanthopus</i>	B	G5TNR	S1S3			synonym	
<i>Distichium capillaceum</i>		Y	G5	S4	2		no	
<i>Distichium inclinatum</i>		Y	G4G5	S3S4	2		no	
<i>Ditrichum ambiguum</i>		Y	G4?	S3S4	1		no	
<i>Ditrichum crispatissimum</i>		Y	GNR	S3S4			synonym	
<i>Ditrichum flexicaule</i>		Y	G5	S4	2		no	
<i>Ditrichum gracile</i>						3	no	
<i>Ditrichum heteromallum</i>		Y	G3G5	S3S4	1		D2	
<i>Ditrichum lineare</i>		Y	G4G5	SNA			not in BC	
<i>Ditrichum montanum</i>		Y	GU	S3S4	4		no	
<i>Ditrichum pallidum</i>		Y	G5	SNA			not in BC	
<i>Ditrichum pusillum</i>		Y	G5	S3S4	1		D1	
<i>Ditrichum schimperi</i>		B	G3G5	S2S3	3		no	
<i>Ditrichum zonatum</i>	<i>var. scabrifolium</i>	B	G3G5T2T3	S2S3			synonym	
<i>Ditrichum zonatum</i>	<i>var. zonatum</i>	Y	G3G5TNR	S3S5			synonym	
<i>Pleuridium acuminatum</i>		Y	G3G5	S3S5	1		no	
<i>Pleuridium bolanderi</i>		Y	G3G5	S3S5			synonym	
<i>Pleuridium subulatum</i>						1	D1	
<i>Saelania glaucescens</i>		Y	G4G5	S3S4	2		no	L
<i>Trichodon cylindricus</i>		Y	G4G5	S3S5				
Fissidentales								
Fissidentaceae								
<i>Fissidens adianthoides</i>		Y	G5	S3S4	1		no	
<i>Fissidens apheotaxifolius</i>						4	D1	
<i>Fissidens bryoides</i>		Y	G5	S3S5	1		no	
<i>Fissidens crispus</i>						2	no	
<i>Fissidens fontanus</i>		R	G5	S1	1		no	
<i>Fissidens grandifrons</i>		Y	G4	S3S5	2		no	

<i>Fissidens limbatus</i>		Y	G3G5	S3S4					synonym
<i>Fissidens osmundoides</i>		Y	G5	S3S5		2			no
<i>Fissidens pauperculus</i>		R	G3?	S1	E	4			no
<i>Fissidens taxifolius</i>		Y	G5	SNA		2			no
<i>Fissidens ventricosus</i>		B	GU	S2S3		3			no
Funariales									
Disceliaceae									
<i>Discelium nudum</i>		R	G3G4	S1		1			no
Ephemeraceae									
<i>Micromitrium tenerum</i>		R	G4G5	SX		1			D1
Funariaceae									
<i>Entosthodon fascicularis</i>		R	G4G5	S2	SC	1		D2	L
<i>Entosthodon rubiginosus</i>		R	G1G3	S1	E	3		D2	S
<i>Funaria americana</i>						1		D1	
<i>Funaria hygrometrica</i>		Y	G5	S4		2			no
<i>Funaria muhlenbergii</i>		B	G4	S2S3					synonym
<i>Physcomitrella patens</i>		R	G4	S1		1		D1	
<i>Physcomitrium immersum</i>		R	G4	SX					
<i>Physcomitrium pyriforme</i>		B	G5	S2S3					
Oedipodiaceae									
<i>Oedipodium griffithianum</i>		B	G5	S1S3		1		D2	
Splachnaceae									
<i>Splachnum ampullaceum</i>		Y	G5	S3S5					
<i>Splachnum luteum</i>		B	G3	S2S3					
<i>Splachnum rubrum</i>		B	G3	S1S3					
<i>Splachnum sphaericum</i>		Y	G3G5	S3S4					
<i>Splachnum vasculosum</i>		B	G3G5	S1S3					
<i>Tayloria froelichiana</i>		B	G3G5	S1S3					
<i>Tayloria lingulata</i>		B	G3G5	S2S3					
<i>Tayloria serrata</i>	var. <i>serrata</i>	B	G5TNR	S2S3					
<i>Tayloria serrata</i>	var. <i>tenuis</i>	B	G5TNR	S2S3					
<i>Tayloria splachnoides</i>		R	G2G3	S1					
<i>Tetraplodon angustatus</i>		B	G4	S2S3					
<i>Tetraplodon mnioides</i>		Y	G4	S3S4					
<i>Tetraplodon pallidus</i>		B	GU	S1S3					
<i>Tetraplodon urceolatus</i>		B	G3G5	S1S3					

Grimmiales

Grimmiaceae

<i>Coscinodon calyptratus</i>	Y	G3G5	S3S4	1	no
<i>Coscinodon cribrus</i>	R	G3G4	S1	1	D2
<i>Coscinodon yukonensis</i>				4	no
<i>Dryptodon patens</i>	Y	G4G5	S3S5		
<i>Grimmia affinis</i>	B	G4G5	S2S3		synonym
<i>Grimmia alpestris</i>				2	no
<i>Grimmia anodon</i>	Y	G4G5	S3S4	1	no
<i>Grimmia anomala</i>	B	G5	S1S3	1	no
<i>Grimmia attenuata</i>				5	no
<i>Grimmia caespiticia</i>				1	no
<i>Grimmia donniana</i>				1	no
<i>Grimmia elatior</i>	B	G3G5	S2S3	2	D2
<i>Grimmia elongata</i>	B	G5?	S1S3		not in BC (BFNA)
<i>Grimmia holzingeri</i>	B	GNR	S2S3		synonym
<i>Grimmia incurva</i>	B	G4G5	S1S3	1	no
<i>Grimmia laevigata</i>	Y	G5	S3S4	1	no
<i>Grimmia leibergii</i>				1	no
<i>Grimmia lisae</i>				1	no
<i>Grimmia longirostris</i>				1	no
<i>Grimmia mollis</i>	B	G3G5	S1S3	1	no
<i>Grimmia montana</i>	B	G5?	S2S3	2	no
<i>Grimmia ovalis</i>	Y	G5?	S3?	2	no
<i>Grimmia plagiopodia</i>	R	G4G5	S1	1	no
<i>Grimmia poecilostoma</i>				1	D1
<i>Grimmia pulvinata</i>	Y	G4G5	S3S4	2	no
<i>Grimmia ramondii</i>				2	no
<i>Grimmia sessitana</i>				2	no
<i>Grimmia tenerrima</i>	Y	G3G5	S3S5		synonym
<i>Grimmia teretinervis</i>	B	G3G5	S1S3	1	no
<i>Grimmia torquata</i>	Y	G3G5	S3S5	2	no
<i>Grimmia trichophylla</i>	Y	G5?	S3S5	2	no
<i>Grimmia unicolor</i>	B	G4G5	S1S3	1	D2
<i>Racomitrium aciculare</i>	Y	G5	S4		
<i>Racomitrium aquaticum</i>	Y	G3G5Q	S3S5		

<i>Racomitrium canescens</i>	ssp. <i>canescens</i>	Y	G5TNR	S3S5
<i>Racomitrium canescens</i>	ssp. <i>latifolium</i>	B	G5TNR	S2S3
<i>Racomitrium elongatum</i>		Y	GU	S4S5
<i>Racomitrium ericoides</i>		Y	GU	S3S5
<i>Racomitrium fasciculare</i>		Y	G5	S3S5
<i>Racomitrium heterostichum</i>	var. <i>affine</i>	B	GNRTNR	S2S3
<i>Racomitrium heterostichum</i>	var. <i>heterostichum</i>	Y	G5T5	S3S5
<i>Racomitrium heterostichum</i>	var. <i>microcarpon</i>	Y	GNRTNR	S3S4
<i>Racomitrium lanuginosum</i>		Y	G5	S3S4
<i>Racomitrium lawtonae</i>		Y	G3G4	S3S4
<i>Racomitrium macounii</i>		Y	GU	S3S4
<i>Racomitrium muticum</i>		Y	GU	S3S5
<i>Racomitrium occidentale</i>		Y	GU	S3S5
<i>Racomitrium pacificum</i>		B	G3	S3
<i>Racomitrium panschii</i>		B	GU	S1S3
<i>Racomitrium pygmaeum</i>		B	GU	S1S3
<i>Racomitrium sudeticum</i>		Y	G5?	S3S5
<i>Racomitrium varium</i>		Y	GU	S3S5
<i>Schistidium agassizii</i>		B	G3G5	S2S3
<i>Schistidium apocarpum</i>	ssp. <i>apocarpum</i>	Y	G5TNR	S4
<i>Schistidium apocarpum</i>	ssp. <i>canadense</i>	R	G5TNRQ	S1
<i>Schistidium atrichum</i>		B	GNRQ	S1S3
<i>Schistidium boreale</i>		B	GNR	S2S3
<i>Schistidium confertum</i>		B	GNR	S1S3
<i>Schistidium crassipilum</i>		Y	GNRQ	S3S4
<i>Schistidium dupretii</i>		B	GNRQ	S2S3
<i>Schistidium frigidum</i>		B	GNR	S2S3
<i>Schistidium heterophyllum</i>		B	G3	S1S3
<i>Schistidium holmenianum</i>		Y	GU	SNA
<i>Schistidium lancifolium</i>		B	GNR	S1S3
<i>Schistidium maritimum</i>		Y	G3G5	S3S5
<i>Schistidium pulchrum</i>		B	GNR	S1S3
<i>Schistidium pulvinatum</i>		B	G5	S1S3
<i>Schistidium relictum</i>		B	GNRQ	S1S3
<i>Schistidium rivulare</i>	ssp. <i>latifolium</i>	B	G4G5TNR	S1S3
<i>Schistidium rivulare</i>	ssp. <i>rivulare</i>	Y	G4G5T4T5	S3S5
<i>Schistidium robustum</i>		B	GNR	S2S3

<i>Schistidium splendens</i>		R	GNRQ	S1				
<i>Schistidium tenerum</i>		Y	G5?	S3S4				
<i>Schistidium trichodon</i>		Y	G2G4	S3S4				
<i>Schistidium vancouverense</i>		B	GNRQ	S2S3				
Ptychomitriaceae								
<i>Ptychomitrium gardneri</i>		B	G4	S2S3		3	no	L
Scouleriaceae								
<i>Scouleria aquatica</i>		Y	G4	S3S4		3	no	L
<i>Scouleria marginata</i>		R	G3	S1	E	1	no	S
Hookeriales								
Daltoniaceae								
<i>Daltonia splachnoides</i>		R	G1G2	S1				
Hookeriaceae								
<i>Hookeria acutifolia</i>		Y	G4G5	S3S5				
<i>Hookeria lucens</i>		Y	G5	S3S4				
Hypnales								
Amblystegiaceae								
<i>Amblystegium fluviatile</i>		B	G5	S2S3				
<i>Amblystegium humile</i>		B	G5	S2S3				
<i>Amblystegium noterophilum</i>		B	G4	S2S3				
<i>Amblystegium riparium</i>		Y	G5	S3S5				
<i>Amblystegium serpens</i>	var. <i>juratzkanum</i>	Y	G5T5	S3S5				
<i>Amblystegium serpens</i>	var. <i>serpens</i>	Y	G5T5	S3S5				
<i>Amblystegium tenax</i>		B	G5	S2S3				
<i>Amblystegium varium</i>		R	G5	S1				
<i>Calliergon cordifolium</i>		Y	G5	S3S5				
<i>Calliergon giganteum</i>		Y	G5	S3S4				
<i>Calliergon richardsonii</i>		B	G4	S2S3				
<i>Calliergon sarmentosum</i>		Y	G4G5	S3S5				
<i>Calliergon stramineum</i>		Y	G5	S3S4				
<i>Calliergon trifarium</i>		B	G4	S2S3				
<i>Calliergonella cuspidata</i>		Y	G5	S3S5				
<i>Campylium calcareum</i>		B	G3G5	S1S3				
<i>Campylium chrysophyllum</i>	var. <i>brevifolium</i>	Y	G5TNR	SNA				
<i>Campylium chrysophyllum</i>	var. <i>chrysophyllum</i>	Y	G5TNR	S3S4				
<i>Campylium halleri</i>		Y	G5	S3S4				

<i>Campylium hispidulum</i>		B	G4G5	S2S3
<i>Campylium polygamum</i>		Y	G5	S3S5
<i>Campylium radicale</i>		B	G3G5	S1S3
<i>Campylium stellatum</i>	var. <i>protensum</i>	B	G5T3T5	S1S3
<i>Campylium stellatum</i>	var. <i>stellatum</i>	Y	G5T5	S4S5
<i>Conardia compacta</i>		Y	G3G5	S3S4
<i>Cratoneuron commutatum</i>	var. <i>commutatum</i>	Y	G4G5TNR	SNA
<i>Cratoneuron commutatum</i>	var. <i>falcatum</i>	Y	G4G5TNR	S3S5
<i>Cratoneuron filicinum</i>		Y	G5	S4
<i>Drepanocladus aduncus</i>	var. <i>aduncus</i>	Y	G5T5	S3S5
<i>Drepanocladus aduncus</i>	var. <i>kneiffii</i>	B	G5T4T5	S2S3
<i>Drepanocladus aduncus</i>	var. <i>polycarpus</i>	B	G5T5	S2S3
<i>Drepanocladus capillifolius</i>		B	GU	S2S3
<i>Drepanocladus crassicostatus</i>		B	G3G5	S2S3
<i>Drepanocladus exannulatus</i>	var. <i>exannulatus</i>	Y	G5TNR	S3S5
<i>Drepanocladus exannulatus</i>	var. <i>purpurascens</i>	Y	G5TNR	S3S5
<i>Drepanocladus fluitans</i>	var. <i>fluitans</i>	Y	G5TNR	S3S5
<i>Drepanocladus fluitans</i>	var. <i>uncatus</i>	Y	G5TNR	SNA
<i>Drepanocladus lapponicus</i>		B	GU	S1S3
<i>Drepanocladus procerus</i>		Y	GU	SNA
<i>Drepanocladus pseudostramineus</i>		B	G3	S2S3
<i>Drepanocladus revolvens</i>	var. <i>intermedius</i>	Y	G4G5TNR	S3S4
<i>Drepanocladus revolvens</i>	var. <i>revolvens</i>	Y	G4G5TNR	S3S5
<i>Drepanocladus sendtneri</i>		B	G5?	S2S3
<i>Drepanocladus trichophyllus</i>		B	GU	S1S3
<i>Drepanocladus tundrae</i>		B	GU	S1S3
<i>Drepanocladus uncinatus</i>	var. <i>symmetricus</i>	B	G5TNR	S2S3
<i>Drepanocladus uncinatus</i>	var. <i>uncinatus</i>	Y	G5TNR	S3S5
<i>Drepanocladus vernicosus</i>		Y	G5	S3S5
<i>Hygrohypnum alpestre</i>		B	G3G5	S1S3
<i>Hygrohypnum alpinum</i>		Y	GU	S3S4
<i>Hygrohypnum bestii</i>		Y	G4	S3S5
<i>Hygrohypnum duriusculum</i>		B	G3G5	S2S3
<i>Hygrohypnum luridum</i>		Y	G5	S3S5
<i>Hygrohypnum molle</i>		Y	G4G5	S3S5

<i>Hygrohypnum norvegicum</i>	R	G2	S1
<i>Hygrohypnum ochraceum</i>	Y	G5	S4
<i>Hygrohypnum polare</i>	B	G5?	S1S3
<i>Hygrohypnum smithii</i>	Y	G3G5	S3S4
<i>Hygrohypnum styriacum</i>	B	GU	S2S3
<i>Loeskypnum badium</i>	B	G4G5	S2S3
<i>Loeskypnum wickesiae</i>	B	G3G5	S2S3
<i>Scorpidium scorpioides</i>	Y	G4G5	S3S4
<i>Scorpidium turgescens</i>	B	G3G5	S2S3
<i>Sematophyllum micans</i>	B	G3G5	S2S3
Brachytheciaceae			
<i>Brachythecium albicans</i>	Y	G5	S3S5
<i>Brachythecium asperrimum</i>	Y	G5?	S3S5
<i>Brachythecium calcareum</i>	B	G3G4	S1S3
<i>Brachythecium campestre</i>	R	G4G5Q	S1
<i>Brachythecium collinum</i>	Y	G5?	S3S5
<i>Brachythecium erythrorrhizon</i>	Y	G5	S3S4
<i>Brachythecium frigidum</i>	Y	G4	S3S5
<i>Brachythecium groenlandicum</i>	B	G3G5	S2S3
<i>Brachythecium holzingeri</i>	B	GU	S1S3
<i>Brachythecium hylotapetum</i>	Y	GU	S3S5
<i>Brachythecium leibergii</i>	Y	G5?	S3S5
<i>Brachythecium mildeanum</i>	Y	G3G5	SNA
<i>Brachythecium nelsonii</i>	Y	G3G5	S3S4
<i>Brachythecium oedipodium</i>	Y	G4G5	S3S5
<i>Brachythecium oxycladon</i>	Y	G5	SNA
<i>Brachythecium plumosum</i>	Y	G5	S3S5
<i>Brachythecium populeum</i>	B	G5	S2S3
<i>Brachythecium reflexum</i> var. <i>pacificum</i>	B	G4G5TNR	S1S3
<i>Brachythecium reflexum</i> var. <i>reflexum</i>	Y	G4G5TNR	S3S4
<i>Brachythecium rivulare</i>	Y	G5	S3S5
<i>Brachythecium rutabulum</i>	Y	G5	S3S4
<i>Brachythecium salebrosum</i>	Y	G5	S3S5
<i>Brachythecium starkei</i>	Y	G5?	S3S5
<i>Brachythecium trachypodium</i>	B	GU	S1S3

<i>Brachythecium turgidum</i>		Y	G4	S3S4	
<i>Brachythecium velutinum</i>	var. <i>velutinum</i>	Y	G5TNR	S3S5	
<i>Brachythecium velutinum</i>	var. <i>venustum</i>	B	G5TNR	S1S3	
<i>Bryhnia hultenii</i>		R	G4	S1	
<i>Cirriphyllum cirrosum</i>		Y	G5?	S3S5	
<i>Cirriphyllum piliferum</i>		B	G5	S1S3	
<i>Eurhynchium pulchellum</i>	var. <i>barnesii</i>	B	G5TNR	S2S3	
<i>Eurhynchium pulchellum</i>	var. <i>pulchellum</i>	Y	G5TNR	S4	
<i>Eurhynchium riparioides</i>		B	G4	S2S3	
<i>Homalothecium aeneum</i>		Y	G4	S3S4	
<i>Homalothecium arenarium</i>		B	G4	S2S3	
<i>Homalothecium fulgescens</i>		Y	G4	S3S4	
<i>Homalothecium nevadense</i>		Y	G4	S3S5	
<i>Homalothecium nuttallii</i>		Y	G4	S3S4	
<i>Homalothecium pinnatifidum</i>		Y	G4	S3S5	
<i>Isothecium cristatum</i>		Y	GU	S3S5	
<i>Isothecium myosuroides</i>		Y	G5	S4S5	
<i>Kindbergia oregana</i>		Y	G4	S4	
<i>Kindbergia praelonga</i>		Y	G5	S3S4	
<i>Rhynchostegium serrulatum</i>		B	G5	S1S3	
<i>Scleropodium cespitans</i>	var. <i>cespitans</i>	Y	G4TNR	S3S5	
<i>Scleropodium cespitans</i>	var. <i>sublaeve</i>	Y	G4TNR	SNA	
<i>Scleropodium obtusifolium</i>		Y	G4	S3S4	
<i>Scleropodium touretii</i>	var. <i>colpophyllum</i>	B	G4TNR	S1S3	
<i>Scleropodium touretii</i>	var. <i>touretii</i>	Y	G4TNR	S3S5	
<i>Tomentypnum falcifolium</i>		B	G3G5	S2S3	
<i>Tomentypnum nitens</i>		Y	G5	S3S4	
<i>Trachybryum megaptilum</i>		Y	G4	S3S5	
Entodontaceae					
<i>Entodon concinnus</i>		B	G4G5	S1S3	
<i>Pleurozium schreberi</i>		Y	G5	S4S5	
Fabroniaceae					
<i>Fabronia pusilla</i>		R	G4G5	S1	E
Helodiaceae					
<i>Helodium blandowii</i>		Y	G5	S3S4	

Hylocomiaceae

<i>Hylocomium pyrenaicum</i>	Y	G4G5	S3S5
<i>Hylocomium splendens</i>	Y	G5	S4S5
<i>Hylocomium umbratum</i>	Y	G5	S3S4
<i>Rhytidiadelphus loreus</i>	Y	G5	S4
<i>Rhytidiadelphus squarrosus</i>	Y	G4G5	S4
<i>Rhytidiadelphus subpinnatus</i>	Y	GU	S3S5
<i>Rhytidiadelphus triquetrus</i>	Y	G5	S4
<i>Rhytidiopsis robusta</i>	Y	G4	S3S4

Hypnaceae

<i>Callicladium haldanianum</i>	B	G5	S2S3
<i>Ctenidium molluscum</i>	Y	G5	SU
<i>Ctenidium schofieldii</i>	B	G2G3	S2S3
<i>Gollania turgens</i>	R	G2	S1
<i>Herzogiella adscendens</i>	Y	GU	S3S5
<i>Herzogiella seligeri</i>	B	G3G4	S2S3
<i>Herzogiella striatella</i>	Y	G4G5	S3S4
<i>Hypnum bambergeri</i>	Y	G4G5	S3S4
<i>Hypnum callichroum</i>	Y	G5?	S3S5
<i>Hypnum circinale</i>	Y	G4	S4
<i>Hypnum cupressiforme</i> var. <i>cupressiforme</i>	Y	G5T5	S3S5
<i>Hypnum cupressiforme</i> var. <i>filiforme</i>	B	G5TNR	S1S3
<i>Hypnum cupressiforme</i> var. <i>lacunosum</i>	B	G5T4T5	S1S3
<i>Hypnum dieckii</i>	Y	G3G5	S3S5
<i>Hypnum holmenii</i>	B	GNR	S1S3
<i>Hypnum lindbergii</i>	Y	G5	S3S5
<i>Hypnum pallescens</i>	Y	G5	S3S4
<i>Hypnum plicatulum</i>	B	G5	S2S3
<i>Hypnum pratense</i>	B	G5	S2S3
<i>Hypnum procerrimum</i>	B	G3G4	S2S3
<i>Hypnum recurvatum</i>	Y	G3G5	S3S4
<i>Hypnum revolutum</i>	Y	G5	S3S4
<i>Hypnum subimponens</i>	Y	G4	S4
<i>Hypnum vaucheri</i>	Y	G3G5	S3S5
<i>Isopterygiopsis muelleriana</i>	R	G5	S1
<i>Isopterygium elegans</i>	Y	G5	S4
<i>Isopterygium pulchellum</i>	Y	G5	S3S5
<i>Orthothecium chryseum</i>	Y	G5?	S3S5

<i>Orthothecium intricatum</i>		B	G4G5	S2S3
<i>Orthothecium strictum</i>		B	G5?	S2S3
<i>Platydictya confervoides</i>		Y	G4G5	SNA
<i>Platydictya jungermannioides</i>		Y	G5	S3S5
<i>Platydictya minutissima</i>		Y	G3	SNA
<i>Platygyrium repens</i>		Y	G5	S3S4
<i>Ptilium crista-castrensis</i>		Y	G5	S4
<i>Pylaisiella intricata</i>		B	G4	S1S3
<i>Pylaisiella polyantha</i>		Y	G5	S3S5
<i>Tripterocladium leucocladulum</i>		B	G3	S2S3
Leskeaceae				
<i>Claopodium bolanderi</i>		Y	G4	S3S5
<i>Claopodium crispifolium</i>		Y	G4	S3S4
<i>Claopodium pellucinerve</i>		B	G3G5	S1S3
<i>Claopodium whippleanum</i>		Y	G4	S3S5
<i>Lescuraea atricha</i>		Y	G5	S3S4
<i>Lescuraea baileyi</i>		Y	G3G5	S3S5
<i>Lescuraea incurvata</i>	var. <i>gigantea</i>	B	G5TNR	S1S3
<i>Lescuraea incurvata</i>	var. <i>incurvata</i>	Y	G5TNR	S3S5
<i>Lescuraea incurvata</i>	var. <i>tenuiretis</i>	B	G5TNR	S1S3
<i>Lescuraea julacea</i>		B	GU	S1S3
<i>Lescuraea patens</i>		Y	G5	S3S5
<i>Lescuraea radicata</i>	var. <i>compacta</i>	Y	G5TNR	SNA
<i>Lescuraea radicata</i>	var. <i>denudata</i>	B	G5TNR	S1S3
<i>Lescuraea radicata</i>	var. <i>pallida</i>	B	G5TNR	S1S3
<i>Lescuraea radicata</i>	var. <i>radicata</i>	Y	G5TNR	S3S5
<i>Lescuraea saxicola</i>		B	G4G5	S1S3
<i>Lescuraea stenophylla</i>		Y	G5?	S3S5
<i>Leskea polycarpa</i>		Y	G4G5	S3S4
<i>Leskeella nervosa</i>		Y	G5	S3S4
<i>Pseudoleskeella papillosa</i>		Y	GU	SNA
<i>Pseudoleskeella tectorum</i>		Y	G5	S3S5
Myriniaceae				
<i>Myrinia pulvinata</i>		B	G4G5	S1S3
Plagiotheciaceae				
<i>Plagiothecium cavifolium</i>		Y	G5	S3S5

<i>Plagiothecium denticulatum</i>	Y	G5	S3S4
<i>Plagiothecium laetum</i>	Y	G5	S3S5
<i>Plagiothecium nemorale</i>	R	GNRQ	S1
<i>Plagiothecium piliferum</i>	Y	G5	S3S5
<i>Plagiothecium platyphyllum</i>	R	GNRQ	S1
<i>Plagiothecium undulatum</i>	Y	G5	S4
Pleuroziopsidaceae			
<i>Pleuroziopsis ruthenica</i>	B	G3	S1S3
Pterigynandraceae			
<i>Heterocladium dimorphum</i>	Y	G4G5	S3S4
<i>Heterocladium macounii</i>	Y	G3G4	S4
<i>Heterocladium procurrens</i>	Y	G3G5	S3S5
<i>Iwatsukiella leucotracha</i>	Y	G4G5	S3S4
<i>Myurella julacea</i>	Y	G5	S3S5
<i>Myurella sibirica</i>	B	G4?	S1S3
<i>Myurella tenerrima</i>	Y	G3G4	S3S4
<i>Pterigynandrum filiforme</i>	Y	G4G5	S3S5
Rhytidiaceae			
<i>Rhytidium rugosum</i>	Y	G5	S3S4
Sematophyllaceae			
<i>Brotherella roellii</i>	B	G3	S3
<i>Heterophyllum haidensis</i>	B	G3?Q	S2S3
<i>Wijkia carlottae</i>	R	G2	S2
Thamnobryaceae			
<i>Bestia vancouveriensis</i>	Y	G4	S3S5
<i>Porotrichum bigelovii</i>	Y	G4	S3S5
<i>Thamnobryum neckeroides</i>	Y	G4	S3S5
Thuidiaceae			
<i>Thuidium abietinum</i>	Y	G4G5	S3S5
<i>Thuidium delicatulum</i> var. <i>radicans</i>	Y	G5	S3S4
<i>Thuidium recognitum</i>	Y	G5	S3S4
Leucodontales			
Anomodontaceae			
<i>Pterogonium gracile</i>	Y	G3G4	S3S4
Climaciaceae			
<i>Climacium dendroides</i>	Y	G5	S3S4

Fontinalaceae

<i>Dichelyma falcatum</i>		B	G4G5	S2S3
<i>Dichelyma pallescens</i>		Y	G3G5	SNA
<i>Dichelyma uncinatum</i>		Y	G3G5	S3S4
<i>Fontinalis antipyretica</i>	var. <i>antipyretica</i>	Y	G5TNR	S3S5
<i>Fontinalis antipyretica</i>	var. <i>gigantea</i>	Y	G5TNR	S3S5
<i>Fontinalis antipyretica</i>	var. <i>mollis</i>	Y	G5TNR	SNA
<i>Fontinalis antipyretica</i>	var. <i>oreganensis</i>	Y	G5TNR	S3S4
<i>Fontinalis flaccida</i>		Y	G4G5	SNA
<i>Fontinalis hypnoides</i>		B	G4G5	S1S3
<i>Fontinalis neomexicana</i>		Y	G3G5	S3S5
<i>Fontinalis patula</i>		R	GNR	S1

Hedwigiaceae

<i>Hedwigia ciliata</i>		Y	G5	S3S4
<i>Hedwigia stellata</i>		Y	G4	S3S4
<i>Pseudobraunia californica</i>		Y	G4	S3S5

Leucodontaceae

<i>Alsia californica</i>		B	G4	S2S3
<i>Antitrichia californica</i>		Y	G5	S3S5
<i>Antitrichia curtispindula</i>		Y	G5	S4
<i>Dendroalsia abietina</i>		Y	G4	S3S4

Neckeraceae

<i>Homalia trichomanoides</i>		Y	G5	S3S4
<i>Metaneckera menziesii</i>		Y	G4G5	S4
<i>Neckera douglasii</i>		Y	G4	S3S4
<i>Neckera pennata</i>	var. <i>pennata</i>	B	G5TNR	S2S3

Orthotrichales**Orthotrichaceae**

<i>Amphidium californicum</i>		Y	G4	S3S5
<i>Amphidium lapponicum</i>		Y	G5	S4
<i>Amphidium mougeotii</i>		B	G5	S2S3
<i>Orthotrichum affine</i>		B	G3G5	S2S3
<i>Orthotrichum alpestre</i>		B	G4G5	S2S3
<i>Orthotrichum anomalum</i>		Y	G4G5	S3S4
<i>Orthotrichum consimile</i>		Y	G4	S3S5
<i>Orthotrichum cupulatum</i>		R	G4G5	S1

<i>Orthotrichum hallii</i>		R	G4	S1
<i>Orthotrichum laevigatum</i>		Y	GU	S3S5
<i>Orthotrichum lescurii</i>		Y	GNR	SNA
<i>Orthotrichum lyellii</i>		Y	G4	S3S4
<i>Orthotrichum obtusifolium</i>		Y	G5	S3S4
<i>Orthotrichum pallens</i>		B	G5	S2S3
<i>Orthotrichum pellucidum</i>		Y	G3G5	S3S4
<i>Orthotrichum pulchellum</i>		Y	G4	S3S4
<i>Orthotrichum pylaisii</i>		B	G4G5	S1S3
<i>Orthotrichum rivulare</i>		R	G4	S1
<i>Orthotrichum rupestre</i>		Y	G4G5	S3S4
<i>Orthotrichum speciosum</i>	var. <i>elegans</i>	B	G5T5	S2S3
<i>Orthotrichum speciosum</i>	var. <i>speciosum</i>	Y	G5T4T5	S3S5
<i>Orthotrichum striatum</i>		Y	G4G5	S3S4
<i>Orthotrichum tenellum</i>		R	G3G4	S1
<i>Ulotia crista</i>		Y	G5	SNA
<i>Ulotia curvifolia</i>		B	G3G5	S1S3
<i>Ulotia drummondii</i>		B	G3G5	S2S3
<i>Ulotia japonica</i>		Y	GU	SNA
<i>Ulotia megalospora</i>		Y	G3G5	S3S5
<i>Ulotia obtusiuscula</i>		Y	GU	S3S4
<i>Ulotia phyllantha</i>		Y	G3G5	S3S5
<i>Zygodon gracilis</i>		R	G2	S1
<i>Zygodon reinwardtii</i>		Y	G5?	S3S4
<i>Zygodon viridissimus</i>	var. <i>rupestris</i>	Y	G5T5	S3S4
<i>Zygodon viridissimus</i>	var. <i>viridissimus</i>	Y	G5T4T5	SNA

Polytrichales

Polytrichaceae

<i>Atrichum flavisetum</i>				3	D2
<i>Atrichum haussknechtii</i>		B	GU	S2S3	synonym
<i>Atrichum selwynii</i>		Y	G4	S4	3 no
<i>Atrichum tenellum</i>		B	G4G5	S1S3	1 D1
<i>Atrichum undulatum</i>		Y	G5	S3S5	2 D1
<i>Bartramiopsis lescurii</i>		Y	G3G5	S3S4	3 D2
<i>Oligotrichum aligerum</i>		Y	G5	S3S4	2 no
<i>Oligotrichum hercynicum</i>		Y	G5	S3S5	2 no
<i>Oligotrichum parallelum</i>		Y	G5	S3S5	2 no

<i>Pogonatum contortum</i>		Y	G4	S3S4	2		no	S
<i>Pogonatum dentatum</i>		Y	G3G5	S3S5	2		no	L
<i>Pogonatum urnigerum</i>		Y	G5	S3S4	2		no	L
<i>Polytrichastrum formosum</i>	<i>var. densifolium</i>					2	no	L
<i>Polytrichum alpinum</i>	<i>var. alpinum</i>	Y	G4G5TNR	S3S5		2	no	L
<i>Polytrichum alpinum</i>	<i>var. septentrionale</i>	B	G4G5TNR	S1S3				
<i>Polytrichum alpinum</i>	<i>var. sylvaticum</i>	Y	G4G5TNR	S3S4		4	no	S
<i>Polytrichum commune</i>	<i>var. commune</i>	Y	G5T5	S3S4		2	no	L
<i>Polytrichum commune</i>	<i>var. perigoniale</i>	R	G5T5	SH				L
<i>Polytrichum formosum</i>		Y	G5	S3S5	2		no	L
<i>Polytrichum juniperinum</i>		Y	G5	S4	2		no	L
<i>Polytrichum longisetum</i>		B	G5	S2S3	2		no	L
<i>Polytrichum lyallii</i>		Y	GU	S3S5				
<i>Polytrichum piliferum</i>		Y	G5	S4	2		no	L
<i>Polytrichum sexangulare</i>		Y	G4	S3S5	2		no	L
<i>Polytrichum sphaerothecium</i>		B	G3	S1S3	1		D2	L
<i>Polytrichum strictum</i>		Y	G4	S3S5	2		no	L
<i>Psilopilum cavifolium</i>		B	GU	S1S3				
<i>Meiotrichum lyallii</i>		Y	GU	S3S5	1		no	M
Pottiales								
Encalyptaceae								
<i>Bryobrittonia longipes</i>		B	G3	S2S3	2		no	
<i>Encalypta affinis</i>	<i>ssp. affinis</i>	B	G5?TNR	S1S3		2	no	
<i>Encalypta affinis</i>	<i>ssp. macounii</i>	B	G5?TNR	S2S3			synonym	
<i>Encalypta alpina</i>		B	G5?	S2S3	2		no	
<i>Encalypta brevicolla</i>		B	G4	S2S3	1		no	
<i>Encalypta brevipes</i>		B	G3	S2S3	2		no	
<i>Encalypta ciliata</i>		Y	G5	S3S4	2		no	
<i>Encalypta intermedia</i>		B	G4	S2S3			synonym	
<i>Encalypta longicolla</i>		B	G3	S2S3	2		no	
<i>Encalypta mutica</i>		B	G3	S2S3	2		no	
<i>Encalypta procera</i>		Y	G4G5	S3S5	2		no	
<i>Encalypta rhapsocarpa</i>		Y	G4G5	S3S4	2		no	
<i>Encalypta spathulata</i>		B	G3	S1S3	2		no	
<i>Encalypta vulgaris</i>		Y	G5	S3?	2		no	
Pottiaceae								
<i>Acaulon muticum</i>	<i>var. rufescens</i>	R	G4G5T4	S1		1	no	

<i>Aloina bifrons</i>		B	G3	S2S3				not in BC (BFNA)
<i>Aloina brevirostris</i>		Y	G3G5	S3S4	1			no
<i>Aloina rigida</i>		Y	G3G5	S3S4	1			no
<i>Anoetangium aestivum</i>		Y	G3G5	S3S5	1			no
<i>Anoetangium sendtnerianum</i>		B	G3G4	S1S3				synonym
<i>Anoetangium tenuinerve</i>		R	G2	S1				
<i>Astomum muehlenbergianum</i>		Y	G5	SNA				
<i>Barbula amplexifolia</i>		R	G4?Q	S1	1			no
<i>Barbula convoluta</i>	var. <i>convoluta</i>	Y	G5TNR	S3S5		1		no
<i>Barbula convoluta</i>	var. <i>gallinula</i>	R	G5T2?Q	S1		4		no
<i>Barbula eustegia</i>		R	G3?	S1	1			no
<i>Barbula unguiculata</i>		Y	G5	S3S5	2			no
<i>Bryoerythrophyllum alpigenum</i>		B	GU	S1S3				
<i>Bryoerythrophyllum columbianum</i>		R	G2G4	S2	1	SC		no
<i>Bryoerythrophyllum ferruginascens</i>		B	G3G4	S1S3	1			no
<i>Bryoerythrophyllum recurvirostre</i>	var. <i>recurvirostre</i>	Y	G5T4T5	S3S5		2		no
<i>Bryoerythrophyllum recurvirostre</i>	var. <i>robustum</i>	Y	G5TNR	SNA				synonym not in BC (BFNA)
<i>Crossidium aberrans</i>		Y	G3G5	S3S4				(BFNA)
<i>Crossidium seriatum</i>		R	G2	S1	1			no
<i>Crossidium</i> sp. 1		R	G2Q	S2				
<i>Crumia latifolia</i>		B	G3	S2S3	3			no
<i>Desmatodon cernuus</i>		B	G3G5	S2S3	1			no L
<i>Desmatodon convolutus</i>		Y	G5?	S3S4	1			no L
<i>Desmatodon guepinii</i>		R	G3G5	S1				Not in BC (BFNA).
<i>Desmatodon heimii</i>		B	G5	S2S3				synonym
<i>Desmatodon latifolius</i>	var. <i>latifolius</i>	Y	G4G5TNR	S3S5		2		no L
<i>Desmatodon latifolius</i>	var. <i>muticus</i>	B	G4G5TNR	S2S3				
<i>Desmatodon laureri</i>		Y	G5?	SNA	1			no L

<i>Desmatodon leucostoma</i>		B	G2G4	S1S3	1		no	L
<i>Desmatodon obtusifolius</i>		B	G5	S2S3	2		no	L
<i>Desmatodon randii</i>		R	G3?	S1				
<i>Desmatodon systylius</i>		B	G4G5	S1S3	1		no	L
<i>Didymodon asperifolius</i>		B	G3G5	S1S3	1		no	
<i>Didymodon brachyphyllus</i>					1		no	
<i>Didymodon fallax</i>	var. <i>fallax</i>	Y	G5T5	S3S5		2	no	
<i>Didymodon fallax</i>	var. <i>reflexus</i>	Y	G5T5?	S3S5			synonym	
<i>Didymodon ferrugineus</i>					1		no	
<i>Didymodon giganteus</i>					1		no	
<i>Didymodon insulanus</i>		Y	G5TNR	S4			synonym	
<i>Didymodon johansenii</i>		B	G5?	S1S3	1		no	
<i>Didymodon leskeoides</i>		R	G2G4	S1	3		no	
<i>Didymodon maschalogenae</i>					3		D1	
<i>Didymodon murrayae</i>					3		D2	
<i>Didymodon nevadensis</i>		R	G2G3	S1	1		no	
<i>Didymodon nicholsonii</i>					1		no	
<i>Didymodon nigrescens</i>		B	G3G5	S2S3	2		no	
<i>Didymodon rigidulus</i>		R	G5	S2			synonym	
<i>Didymodon rigidulus</i>	var. <i>gracilis</i>	Y	G5T5?	S3S4		1	no	
<i>Didymodon rigidulus</i>	var. <i>icmadophilus</i>	B	G5TNR	S1S3		1	no	
<i>Didymodon rigidulus</i>	var. <i>rigidulus</i>	B	G5T4?	S2S3		1	no	
<i>Didymodon subandreaeoides</i>		B	GU	S2S3	1		no	
<i>Didymodon tophaceus</i>		Y	G5	S3S4	1		no	
<i>Didymodon vinealis</i>	var. <i>brachyphyllus</i>	R	G5TNR	S2			synonym	
<i>Didymodon vinealis</i>	var. <i>luridus</i>	Y	G5TNR	S3S4			synonym	
<i>Didymodon vinealis</i>	var. <i>nicholsonii</i>	R	G5TNR	S1			synonym	
<i>Didymodon vinealis</i>	var. <i>rubiginosus</i>	Y	G5TNR	S3S5		3	no	
<i>Didymodon vinealis</i>	var. <i>vinealis</i>	Y	G5T5?	S3S5		1	no	
<i>Eucladium verticillatum</i>		B	G4	S2S3				
<i>Geheebia gigantea</i>		B	G5?	S2S3				
<i>Gymnostomum aeruginosum</i>		Y	G5	S3S5	2		no	
<i>Gymnostomum recurvirostrum</i>		Y	G5	S3S5	1		D2	
<i>Hennediella heimii</i>					1		no	L
<i>Hilpertia velenovskyi</i>					3		D1	L
<i>Hymenostylium insigne</i>		B	G3	S2S3				

<i>Leptodontium recurvifolium</i>		R	G2G3	S2					
<i>Microbryum vlassovii</i>						3		D1	
<i>Molendoa sendtneriana</i>		B	G3G4	S1S3		1		D1	
<i>Oxystegus tenuirostris</i>		Y	G4	S3S5					
<i>Phascum cuspidatum</i>		Y	G5	S3S4					
<i>Phascum vlassovii</i>		R	G2?	S1					
<i>Pottia bryoides</i>		R	G5?	S1					
<i>Pottia nevadensis</i>		R	G4	S1					
<i>Pottia wilsonii</i>		R	G3G5	S1					
<i>Pseudocrossidium revolutum</i>		Y	G5?	S3S4		1		no	L
<i>Pterygoneurum kozlovii</i>		R	G2G3	S2	T	3		D1	L
<i>Pterygoneurum lamellatum</i>		R	G3G5	S1		1		no	L
<i>Pterygoneurum ovatum</i>		Y	G5	S3S5		1		no	L
<i>Pterygoneurum subsessile</i>		Y	G4?	S3S4		1		no	L
<i>Stegonia latifolia</i>	var. <i>latifolia</i>	B	G4G5T4T5	S1S3			1	no	L
<i>Stegonia latifolia</i>	var. <i>pilifera</i>	B	G5?T5?	S1S3			1	no	L
<i>Timmiella crassinervis</i>		Y	G4	S3S5		3		no	S
<i>Tortella arctica</i>		B	GU	S1S3					
<i>Tortella fragilis</i>		Y	G5	S3S5					
<i>Tortella humilis</i>		R	G5	S1					
<i>Tortella inclinata</i>		B	G4G5	S2S3					
<i>Tortella tortuosa</i>		Y	G5	S4					
<i>Totula acaulon</i>						1		no	L
<i>Tortula amplexa</i>		B	G2G4	S2S3		3		D2	L
<i>Tortula bolanderi</i>		R	G3G5	S1		3		D2	L
<i>Tortula brevipes</i>		Y	G3G5	S3S4		1		no	L
<i>Tortula caninervis</i>		Y	G5?	S3S4				not in BC (BFNA)	
<i>Tortula laevipila</i>	var. <i>laevipila</i>	R	G3G5TNR	S1	SC		1	D2	L
<i>Tortula laevipila</i>	var. <i>meridionalis</i>	R	G3G5TNR	S1	SC			synonym	
<i>Tortula latifolia</i>		Y	G3G5	S3S4		1		no	L
<i>Tortula mucronifolia</i>		Y	G5	S3S4		2		no	L
<i>Tortula muralis</i>		Y	G5	S3S4		1		no	L
<i>Tortula norvegica</i>		Y	G5	S3S5				Not in BC (BFNA).	
<i>Tortula princeps</i>		Y	G5?	S3S4				Not in BC (BFNA).	

<i>Tortula ruralis</i>	Y	G5	S3S5			Not in BC (BFNA).	
<i>Tortula ruralis</i> var. <i>hirsuta</i>	B	G3G5T3T5	S2S3			Not in BC (BFNA).	
<i>Tortula scotteri</i>	R	G1	S1	3		D1	L
<i>Tortula subulata</i>	B	G5?	S2S3	1		no	L
<i>Tortula truncata</i>	Exotic	G3G5	SNA	1		no	L
<i>Trichostomopsis australasiae</i>	Y	G5?	S3S4				
<i>Trichostomum arcticum</i>	B	G5?	S1S3				
<i>Trichostomum crispulum</i>	B	G5?	S1S3				
<i>Weissia brachycarpa</i>	R	GNR	S1				
<i>Weissia controversa</i>	Y	G5	S3S5				
Schistostegales							
Schistostegaceae							
<i>Schistostega pennata</i>	Y	G3G4	S3S4	2		no	L
Seligeriales							
Seligeriaceae							
<i>Blindia acuta</i>	Y	G5	S4	2		no	
<i>Blindia robusta</i>	Y	GNR	SNA				
<i>Brachydontium olympicum</i>	B	G2G3	S1S3	3		no	
<i>Seligeria acutifolia</i>	R	G3G5	S1	2		D2	L
<i>Seligeria campylopoda</i>	B	G3G5	S2S3	1		no	M
<i>Seligeria careyana</i>	R	G1	S1	7		no	S
<i>Seligeria donniana</i>	Y	G4G5	S3S5	2		no	L
<i>Seligeria recurvata</i>	Y	G4?	SNA	1		D2	L
<i>Seligeria subimmersa</i>	B	G5?	S1S3	1		D2	L
<i>Seligeria tristichoides</i>	B	G4	S2S3	2		D2	L
Sphagnales							
Sphagnaceae							
<i>Sphagnum alaskense</i>				4		no	S
<i>Sphagnum andersonianum</i>				1		D2	L
<i>Sphagnum angustifolium</i>	Y	G5	S3S5	2		no	L
<i>Sphagnum annulatum</i>	B	GNR	S1S3	1		no	L
<i>Sphagnum austinii</i>				1		no	L
<i>Sphagnum aongstroemii</i>	B	G2G3	S1S3	1		no	
<i>Sphagnum balticum</i>	B	G2G4	S2S3	1		no	L

<i>Sphagnum bartlettianum</i>		B	G4G5	S2S3	1		no	L
<i>Sphagnum capillifolium</i>		Y	G5	S4	2		no	L
<i>Sphagnum centrale</i>		Y	G5	S3?	1		no	L
<i>Sphagnum compactum</i>		Y	G5	S3S5	2		no	L
<i>Sphagnum contortum</i>		B	G5	S2S3	1		no	L
<i>Sphagnum cuspidatum</i>		Y	G5	SNA	1		no	
<i>Sphagnum fimbriatum</i>		Y	G5	S3S4	2		no	L
<i>Sphagnum fuscum</i>		Y	G5	S4S5	2		no	L
<i>Sphagnum girgensohnii</i>		Y	G5	S4S5	2		no	L
<i>Sphagnum henryense</i>		Y	G4?	S3S5	2		no	L
<i>Sphagnum inexpectatum</i>					5		no	
<i>Sphagnum imbricatum</i>		Y	GNRQ	S3S5			synonym	
<i>Sphagnum jensenii</i>		B	GU	S1S3	1		no	
<i>Sphagnum junghuhnianum</i>	var. <i>pseudomolle</i>	B	GNRTNR	S1S3		1	D1	
<i>Sphagnum lindbergii</i>		Y	G5?	S3S5	2		no	
<i>Sphagnum magellanicum</i>		Y	G5	S3S5	2		no	
<i>Sphagnum majus</i>	ssp. <i>majus</i>	R	G5?TNR	S1		1	D2	
<i>Sphagnum majus</i>	ssp. <i>norvegicum</i>	R	G5?TNR	S1		1	no	
<i>Sphagnum mendocinum</i>		Y	G4	S3S4	3		no	
							excluded	
							from the	
<i>Sphagnum nitidum</i>		B	GNR	S1S3			BFNA	
<i>Sphagnum obtusum</i>		B	G3G5	S1S3	1		no	
							excluded	
							from the	
							BFNA	
<i>Sphagnum orientale</i>		B	G2G4	S1S3				
<i>Sphagnum pacificum</i>		Y	G3G4	S3S4	4		no	
<i>Sphagnum palustre</i>		Y	G5	S3S4	1		no	
<i>Sphagnum papillosum</i>		Y	G5	S4S5	2		no	
<i>Sphagnum platyphyllum</i>		B	G5	S1S3	2		no	
<i>Sphagnum quinquefarium</i>		B	G5	S2S3	2		no	
<i>Sphagnum riparium</i>		Y	G5	S3S4	2		no	
<i>Sphagnum rubellum</i>		Y	G5	S3S5	2		no	
<i>Sphagnum rubiginosum</i>		B	GNR	S1S3	3		no	
<i>Sphagnum russowii</i>		Y	G5	S3S5	2		no	

<i>Sphagnum schofieldii</i>		R	G1Q	S1			excluded from the BFNA	
<i>Sphagnum sjorsii</i>		B	GNRQ	S1S3			excluded from the BFNA	
<i>Sphagnum squarrosum</i>		Y	G5	S3S4	2		no	
<i>Sphagnum subfulvum</i>					1		no	
<i>Sphagnum subnitens</i>		Y	G5	S3S5	1		no	
<i>Sphagnum subobesum</i>		B	G3G5	S1S3			excluded from the BFNA	
<i>Sphagnum subsecundum</i>	var. <i>andrusii</i>	B	G5TNR	S1S3			synonym	
<i>Sphagnum subsecundum</i>	var. <i>inundatum</i>	B	G4	S1S3			synonym	
<i>Sphagnum subsecundum</i>	var. <i>subsecundum</i>	Y	G5T4	S3S5		2	no	
<i>Sphagnum tenellum</i>		Y	G5	S3S5	2		no	
<i>Sphagnum tenerum</i>		Y	G5	SNA			no	
<i>Sphagnum teres</i>		Y	G5	S3S5	2		no	
<i>Sphagnum warnstorffii</i>		Y	G5	S3S5	2		no	
<i>Sphagnum wilfii</i>		R	G1G2	S1	4		no	
<i>Sphagnum wulfianum</i>		B	G5	S2S3	1		no	
Takakiales								
Takakiaceae								
<i>Takakia lepidozoioides</i>				SNR	1		D2	L
Tetraphidales								
Tetraphidaceae								
<i>Tetraphis geniculata</i>		Y	G3G5	S3S5	2		no	L
<i>Tetraphis pellucida</i>		Y	G5	S4	2		no	L
<i>Tetraphis pellucida</i>	var. <i>trachypoda</i>					3 low	D1	L
<i>Tetradontium brownianum</i>		B	G3G4	S2S3	1		D1	L
<i>Tetradontium repandum</i>		R	G2G3	S1	1		D2	L
Exotics								
<i>Campylopus introflexus</i>		Exotic	G5	SNA	1		no	
<i>Leucobryum glaucum</i>		Exotic	G5	SNA				
<i>Pseudoscleropodium purum</i>		Exotic	G5?	SNA				
<i>Syrrhopodon texanus</i>		Exotic	G5	SNA				

<i>Pottia truncata</i>	Exotic	G3G5	SNA		
<i>Pseudocrossidium hornschuchianum</i>	Exotic	GU	SNA	1	no
<i>Tortula truncata</i>	Exotic	G3G5	SNA	1	no

Appendix 2 Monoclydeonous Plants - provincial responsibility.

English Name	Species	Supspecies or variety	CDC	S Rank	Status			Species	Responsibility Subspecies or variety	Disjunct	Global Range
					G Rank	IWMS	COSEWIC				
ALISMATALES											
Alismataceae											
Narrow-leaved water-plantain	<i>Alisma gramineum</i>		Y	S3S4	G5			1			L
American water-plantain	<i>Alisma triviale</i>		Y	S5	G5			2			L
Arum-leaved arrowhead	<i>Sagittaria cuneata</i>		Y	S5	G5			2			L
Wapato	<i>Sagittaria latifolia</i>	<i>var latifolia</i>	Y	S4	G5T5				1		L
ARALES											
Acoracea											
American sweet-flag	<i>Acorus americanus</i>		B	S2S3	G5			1			L
Aracea											
Wild calla	<i>Calla palustris</i>		Y	S4	G5			2			L
Skunk cabbage	<i>Lysichiton americanus</i>		Y	S5	G5			4			S
Lemnaceae											
Common duckweed	<i>Lemna minor</i>		Y	S5	G5			2			L
Ivy-leaved duckweed	<i>Lemna trisulca</i>		Y	S4	G5			2			L
Great duckweed	<i>Spirodela polyrhiza</i>		Y	S5	G5			1			L
Northern water-meal	<i>Wolffia borealis</i>		R	S2	G5			1			L
Columbian water-meal	<i>Wolffia columbiana</i>		R	S1	G5			1			L
CYPERALES											
Cyperaceae											
Nevada bulrush	<i>Amphiscirpus nevadensis</i>		Y	S3S4	G4			1			M
river bulrush	<i>Bolboschoenus fluviatilis</i>		R	S1S2	G5			1			L
seacoast bulrush	<i>Bolboschoenus maritimus</i>	<i>var. paludosus</i>	Y	S4	G5TNRQ				1		L
lesser brown sedge	<i>Carex adusta</i>		R	S1	G5			1			M
bronze sedge	<i>Carex aenea</i>		Y	S5	G5			2			L
two-toned sedge	<i>Carex albonigra</i>		Y	S5	G4			2			M
bigleaf sedge	<i>Carex amplifolia</i>		B	S2S3	G4			1			S
yellow-flowered sedge	<i>Carex anthoxantha</i>		Y	S4	G5			1			S
Columbia sedge	<i>Carex aperta</i>		Y	S4	G4			3			S
water sedge	<i>Carex aquatilis</i>	<i>ssp. aquatilis</i>	Y	S5	G5T5				2		L
water sedge	<i>Carex aquatilis</i>	<i>ssp. stans</i>	Y	S5	G5T5				2		L
northern clustered sedge	<i>Carex arcta</i>		Y	S5	G5			2			L
polar sedge	<i>Carex arctiformis</i>		Y	S4	G3G5Q			4			L
awned sedge	<i>Carex atherodes</i>		Y	S4	G5			2			L

slender-beaked sedge	<i>Carex athrostachya</i>		Y	S5	G5	2		M
black sedge	<i>Carex atratiformis</i>		Y	S4	G5	1		M
black-scaled sedge	<i>Carex atosquama</i>		Y	S5	G4?	3		M
golden sedge	<i>Carex aurea</i>		Y	S4	G5	2		L
Back's sedge	<i>Carex backii</i>		B	S2S3	G4	1		L
Bebb's sedge	<i>Carex bebbii</i>		Y	S5	G5	2		L
two-coloured sedge	<i>Carex bicolor</i>		B	S2S3	G5	1		M
Bigelow's sedge	<i>Carex bigelowii</i>		Y	S4	G5	1		L
short-stemmed sedge	<i>Carex brevicaulis</i>		Y	S4	G5	3		S
short-beaked sedge	<i>Carex brevior</i>		Y	S3S4	G5?	1		L
brownish sedge	<i>Carex brunnescens</i>	<i>ssp. alaskana</i>	Y	S4	G5T3T4		3?	S
brownish sedge	<i>Carex brunnescens</i>	<i>ssp. pacifica</i>	Y	S4	G5TNR		3?	S
brownish sedge	<i>Carex brunnescens</i>	<i>ssp. sphaerostachya</i>	Y	S4	G5T5		1	L
Buxbaum's sedge	<i>Carex buxbaumii</i>		Y	S4	G5	2		L
grey sedge	<i>Carex canescens</i>		Y	S5	G5	2		L
hairlike sedge	<i>Carex capillaris</i>		Y	S4	G5	2		L
capitate sedge	<i>Carex capitata</i>		Y	S4	G5	2		L
cordroot sedge	<i>Carex chordorrhiza</i>		Y	S5	G5	1		L
coiled sedge	<i>Carex circinata</i>		Y	S4	G4	3		S
bearded sedge	<i>Carex comosa</i>		R	S2	G5	1		L
low northern sedge	<i>Carex concinna</i>		Y	S5	G4G5	2		L
northwestern sedge	<i>Carex concinnoides</i>		Y	S5	G5	4		S
Cordilleran sedge	<i>Carex cordillerana</i>		Y	S3S4	GNR	1		S
Crawe's sedge	<i>Carex crawei</i>		R	S1	G5	1		L
Crawford's sedge	<i>Carex crawfordii</i>		Y	S5	G5	2		L
Cusick's sedge	<i>Carex cusickii</i>		Y	S4	G5	3		S
bent sedge	<i>Carex deflexa</i>		Y	S4	G5	1		L
Dewey's sedge	<i>Carex deweyana</i>	<i>var. bolanderi</i>	Y	S5	G5T5		1	M
Dewey's sedge	<i>Carex deweyana</i>	<i>var. deweyana</i>	Y	S5	G5T5		2	L
Dewey's sedge	<i>Carex deweyana</i>	<i>var. leptopoda</i>	Y	S5	G5T5		1	S
lesser-panicled sedge	<i>Carex diandra</i>		Y	S5	G5	2		L
soft-leaved sedge	<i>Carex disperma</i>		Y	S5	G5	2		L
Douglas' sedge	<i>Carex douglasii</i>		Y	S3S4	G5	1		M
narrow-leaved sedge	<i>Carex duriuscula</i>		Y	S4	G5	1		L
bristle-leaved sedge	<i>Carex eburnea</i>		Y	S4	G5	1		L
star sedge	<i>Carex echinata</i>	<i>ssp. echinata</i>	Y	S4	G5T5		1	L
coastal stellate sedge	<i>Carex echinata</i>	<i>ssp. phyllomanica</i>	Y	S5	G5T5		1	S
Engelmann's sedge	<i>Carex engelmannii</i>		Y	S4	G4G5	1		S
blackened sedge	<i>Carex epapillosa</i>		B	S1S3	GNR	1		M
inflated sedge	<i>Carex exsuccata</i>		Y	S5	G5	3		M
green-sheathed sedge	<i>Carex feta</i>		R	S2	G5	1		S
thread-leaved sedge	<i>Carex fillifolia</i>		Y	S4	G5	1		L
yellow sedge	<i>Carex flava</i>		Y	S4	G5	2		L
Garber's sedge	<i>Carex garberi</i>	<i>ssp. bifaria</i>	Y	S3S4	G5T3?Q		1	L

Garber's sedge	<i>Carex garberi</i>	<i>ssp. garberi</i>	Y	S4	GNR		2	L
elk sedge	<i>Carex geyeri</i>		B	S3	G5	1		M
glacier sedge	<i>Carex glacialis</i>		Y	S4	G5	1		M
lesser saltmarsh sedge	<i>Carex glareosa</i>	<i>var. amphigena</i>	B	S2S3	G4G5T3T5		1	L
Gmelin's sedge	<i>Carex gmelinii</i>		B	S2S3	G4G5	1		L
yellow bog sedge	<i>Carex gynocrates</i>		Y	S5	G5	2		L
Hasse's sedge	<i>Carex hassei</i>			SNR	G4G5	1		S
Hayden's sedge	<i>Carex haydeniana</i>		Y	S4	G4G5	1		M
Hudson Bay sedge	<i>Carex heleonastes</i>		B	S2S3	G4	1		L
Henderson's sedge	<i>Carex hendersonii</i>		Y	S4	G5	1		S
Hood's sedge	<i>Carex hoodii</i>		Y	S5	G5	3		M
porcupine sedge	<i>Carex hystricina</i>		B	S2S3	G5	1		L
sheep sedge	<i>Carex illota</i>		Y	S4	G4G5	3		M
curved-spiked sedge	<i>Carex incurviformis</i>	<i>var. incurviformis</i>	B	S2S3	G4G5T4T5		3	S
	<i>Carex infirmivervia</i>			SNR	G4G5	1		M
long-stoloned sedge	<i>Carex inops</i>	<i>ssp. heliophila</i>	Y	S3S4	G5T5		1	L
long-stoloned sedge	<i>Carex inops</i>	<i>ssp. inops</i>	Y	S3S4	G5T4?		1	S
inland sedge	<i>Carex interior</i>		Y	S4	G5	2		L
green-fruited sedge	<i>Carex interrupta</i>		R	S2	G3G4	1		S
Krause's sedge	<i>Carex krausei</i>		B	S2S3	G4	1		L
two-parted sedge	<i>Carex lachenalii</i>		Y	S5	G5	2		M
smooth-stemmed sedge	<i>Carex laeviculmis</i>		Y	S5	G5	2		S
woolly sedge	<i>Carex lanuginosa</i>		Y	S5	G5	2		L
Lapland sedge	<i>Carex lapponica</i>		B	S2S3	G4G5Q	1		L
slender sedge	<i>Carex lasiocarpa</i>	<i>ssp. americana</i>	Y	S4	G5T5		2	L
Enander's sedge	<i>Carex lenticularis</i>	<i>var. dolia</i>	B	S2S3	G5T3Q		4	S
lakeshore sedge	<i>Carex lenticularis</i>	<i>var. lenticularis</i>	R	S2	G5T5		1	L
Hind's sedge	<i>Carex lenticularis</i>	<i>var. limnophila</i>	Y	S4	G5T5		3	S
Kellogg's sedge	<i>Carex lenticularis</i>	<i>var. lipocarpa</i>	Y	S5	G5T5		3	M
bristle-stalked sedge	<i>Carex leptalea</i>	<i>ssp. leptalea</i>	Y	S4	G5T5		2	L
bristle-stalked sedge	<i>Carex leptalea</i>	<i>ssp. pacifica</i>	Y	S4	G5T4T5		5(6)	S
shore sedge	<i>Carex limosa</i>		Y	S4	G5	2		L
pale sedge	<i>Carex livida</i>	<i>var. radicaulis</i>	Y	S5	G5T5		2	L
ryegrass sedge	<i>Carex loliacea</i>		Y	S4	G5	1		L
woodrush sedge	<i>Carex luzulina</i>	<i>var. ablata</i>	Y	S4	G5T4T5		1	S
Lingbye's sedge	<i>Carex lyngbyei</i>	<i>ssp. cryptocarpa</i>	Y	S5	G5T5?Q		1	L
Mackenzie's sedge	<i>Carex mackenziei</i>			SNR	G4	1		L
Falkland Island sedge	<i>Carex macloviana</i>		Y	S4	G5	2		L
large-headed sedge	<i>Carex macrocephala</i>		Y	S3S4	G5	3		L
large-awned sedge	<i>Carex macrochaeta</i>		Y	S5	G5	3		L
poor sedge	<i>Carex magellanica</i>	<i>ssp. irrigua</i>	Y	S4	G5T5		2	L
Mead's sedge	<i>Carex meadii</i>			SNR	G4G5	1		L
								D1

Scandinavian sedge	<i>Carex media</i>		Y	S5	G5T5?		2		L
fragile sedge	<i>Carex membranacea</i>		B	S2S3	G5		1		L
Merten's sedge	<i>Carex mertensii</i>		Y	S5	G5		3		L
small-awned sedge	<i>Carex microchaeta</i>	<i>ssp. microchaeta</i>	Y	S5	G5?T4T5			1	S
few-seeded fen sedge	<i>Carex microglochin</i>		Y	S4	G5?		1		M
small-winged sedge	<i>Carex microptera</i>		Y	S4	G5		1		L
short-leaved sedge	<i>Carex misandra</i>		B	S2S3	G5		1		L
spikenard sedge	<i>Carex nardina</i>		Y	S4	G4G5		2		L
black alpine sedge	<i>Carex nigricans</i>		Y	S5	G4G5		2		M
slough sedge	<i>Carex obnupta</i>		Y	S5	G5		4		S
blunt sedge	<i>Carex obtusata</i>		Y	S5	G5		2		L
oval sedge	<i>Carex ovalis</i>			S3S4	G4G5		1		M
thick-headed sedge	<i>Carex pachystachya</i>		Y	S5	G5		2		L
sand-dune sedge	<i>Carex pansa</i>		B	S2S3	G4		1		S
Parry's sedge	<i>Carex parryana</i>		Y	S4	G4		1		M
few-flowered sedge	<i>Carex pauciflora</i>		Y	S5	G5		2		L
Payson's sedge	<i>Carex paysonis</i>		B	S2S3	G4		1		S
Peck's sedge	<i>Carex peckii</i>		Y	S4	G4G5		1		L
peduncled sedge	<i>Carex pedunculata</i>		B	S2S3	G5		1		L
wooly sedge	<i>Carex pellita</i>		Y	S5	G5		2		M
pasture sedge	<i>Carex petasata</i>		Y	S5	G5		3		M
rock-dwelling sedge	<i>Carex petricosa</i>		B	S2S3	G4		1		L
dunhead sedge	<i>Carex phaeocephala</i>		Y	S5	G4		3		M
many-flowered sedge	<i>Carex pluriflora</i>		Y	S5	G4		3		L
graceful mountain sedge	<i>Carex podocarpa</i>		Y	S4	G4G5		1		L
Teacher's sedge	<i>Carex praeceptorum</i>			SNR	G4G5		1		M
field sedge	<i>Carex praegracilis</i>		Y	S5	G5		1		L
prairie sedge	<i>Carex prairea</i>		Y	S4	G5?		1		L
meadow sedge	<i>Carex praticola</i>		Y	S5	G5		2		L
Presl's sedge	<i>Carex preslii</i>		Y	S3S4	G4		3		S
Pyrenean sedge	<i>Carex pyrenaica</i>	<i>ssp. micropoda</i>	Y	S4	G4G5TNR			2	S
Raynold's sedge	<i>Carex raynoldsii</i>		Y	S4	G5		1		M
long-bracted sedge	<i>Carex retrorsa</i>		Y	S4	G5		1		L
Richardson's sedge	<i>Carex richardsonii</i>		Y	S5	G4		1		M
Ross' sedge	<i>Carex rossii</i>		Y	S5	G5		2		L
swollen beaked sedge	<i>Carex rostrata</i>		B	S2S3	G5		1		L
curly sedge	<i>Carex rupestris</i>	<i>ssp. drummondiana</i>	B	S2S3	G5T5			1	S
curly sedge	<i>Carex rupestris</i>	<i>ssp. rupestris</i>	B	S2S3	G5T5?			2	L
Sartwell's sedge	<i>Carex sartwellii</i>	<i>var. sartwellii</i>	Y	S3S4	G4G5T4T5			1	L
russet sedge	<i>Carex saxatilis</i>	<i>ssp. laxa</i>	Y	S4	GNR			2	L
		<i>var.</i>							
single-spike sedge	<i>Carex scirpoidea</i>	<i>pseudoscirpoidea</i>	Y	S4	G5T5			2	S
single-spike sedge	<i>Carex scirpoidea</i>	<i>var. scirpoidea</i>	Y	S4	G5T5			2	L

single-spike sedge	<i>Carex scirpoidea</i>	<i>var. stenochlaena</i>	Y	S4	G5T4T5		1	S
pointed broom sedge	<i>Carex scoparia</i>		B	S2S3	G5	1		L
Holm's Rocky								
Mountain sedge	<i>Carex scopulorum</i>	<i>var. bracteosa</i>	B	S2S3	G5T3T5		3	M
hay sedge	<i>Carex siccata</i>		Y	S4	G5	1		L
short-beaked fen								
sedge	<i>Carex simulata</i>		B	S2S3	G5	1		M
Sitka sedge	<i>Carex sitchensis</i>		Y	S5	G5	4		S
showy sedge	<i>Carex spectabilis</i>		Y	S5	G5	2		S
Sprengel's sedge	<i>Carex sprengelii</i>		R	S1	G5?	1		L
awl-fruited sedge	<i>Carex stipata</i>	<i>var. stipata</i>	Y	S4	G5T5		2	L
long-styled sedge	<i>Carex stylosa</i>		Y	S4	G5	3		L
spreading arctic sedge	<i>Carex supina</i>	<i>ssp. spaniocarpa</i>	Y	S3S4	G5T3T5		1	S
many-headed sedge	<i>Carex sychnocephala</i>		B	S3	G4	1		L
tender sedge	<i>Carex tenera</i>		B	S2S3	G5	1		L
sparse-flowered sedge	<i>Carex tenuiflora</i>		Y	S4	G5	2		L
bald sedge	<i>Carex tonsa</i>	<i>var. tonsa</i>	B	S2S3	G5T4T5		1	L
Torrey's sedge	<i>Carex torreyi</i>		B	S2S3	G4	1		S
Tracy's sedge	<i>Carex tracyi</i>		Y	S3S4	G4G5	1		M
three-seeded sedge	<i>Carex trisperma</i>		Y	S3S4	G5	1		L
foothill sedge	<i>Carex tumulicola</i>		R	S2	G4	1		S
one-sided sedge	<i>Carex unilateralis</i>		Y	S3S4	G5	3		S
beaked sedge	<i>Carex utriculata</i>		Y	S5	G5	2		L
sheathed sedge	<i>Carex vaginata</i>		Y	S4	G5	2		L
valley sedge	<i>Carex vallicola</i>	<i>var. vallicola</i>	R	S1	G5T5		1	S
lesser bladder sedge	<i>Carex vesicaria</i>		Y	S4	G5	1		L
green sedge	<i>Carex viridula</i>	<i>ssp. viridula</i>	Y	S5	G5T5		2	L
fox sedge	<i>Carex vulpinoidea</i>		B	S2S3	G5	1		L
dry-land sedge	<i>Carex xerantica</i>		R	S2	G5	1		M
red-rooted cyperus	<i>Cyperus erythrorhizos</i>		R	S1	G5	1		L
awned cyperus	<i>Cyperus squarrosus</i>		B	S3	G5	1		L
three-way sedge	<i>Dulichium arundinaceum</i>		Y	S4	G5	1		L
needle spike-rush	<i>Eleocharis acicularis</i>		Y	S4	G5	2		L
purple spike-rush	<i>Eleocharis atropurpurea</i>		R	S1	G4G5	1		L
Flat-stemmed spike-rush	<i>Eleocharis compressa</i>	<i>var. acutisquamata</i>		SNR			1	L
Slender spike-rush	<i>Eleocharis elliptica</i>		B	S2S3	G5	1		L
Engelmann's spike-rush	<i>Eleocharis engelmannii</i>			SNR	G4G5Q	1		L
Kamchatka spike-rush	<i>Eleocharis kamtschatica</i>		B	S2S3	G4	1		S
Creeping spike-rush	<i>Eleocharis macrostachya</i>			SNR		1		L
Soft-stem spike-rush	<i>Eleocharis mamillata</i>			SNR		1		L
neat spike rush	<i>Eleocharis nitida</i>		R	S1	G3G4	1?		M
blunt spike-rush	<i>Eleocharis obtusa</i>		Y	S4	G5	1		L
common spike-rush	<i>Eleocharis palustris</i>		Y	S5	G5	1		L

small spike-rush	<i>Eleocharis parvula</i>		B	S2S3	G5		1		L
few-flowered spike-rush	<i>Eleocharis quinqueflora</i>		Y	S4	G5		1		L
beaked spike-rush	<i>Eleocharis rostellata</i>		B	S2S3	G5		1		L
Creeping spike-rush	<i>Eleocharis uniglumis</i>			SNR			1		L
narrow-leaved cotton-grass	<i>Eriophorum angustifolium</i>		Y	S5	G5		2		L
short-anthered cotton-grass	<i>Eriophorum brachyantherum</i>		Y	S5	G5		2		L
arctic cotton-grass	<i>Eriophorum callitrix</i>		Y	S4	G5		1		M
Chamisso's cotton-grass	<i>Eriophorum chamissonis</i>	var. <i>albidum</i>	Y	S4	G5T3T5			2	L
Chamisso's cotton-grass	<i>Eriophorum chamissonis</i>	var. <i>chamissonis</i>	Y	S5	G5			2	L
slender cotton-grass	<i>Eriophorum gracile</i>		Y	S4	G5		2		L
Scheuchzer's cotton-grass	<i>Eriophorum scheuchzeri</i>		Y	S4	G5		1		L
sheathed cotton-grass	<i>Eriophorum vaginatum</i>	ssp. <i>vaginatum</i>	Y	S3S4	G5T4T5			1	L
green-keeled cotton-grass	<i>Eriophorum viridicarinum</i>		Y	S4	G5		2		L
low clubrush	<i>Isolepis cernua</i>		Y	S5	G5		1		L
Bellard's kobresia	<i>Kobresia myosuroides</i>		Y	S4	G5		2		L
Siberian kobresia	<i>Kobresia sibirica</i>		B	S2S3	G5		1		L
simple kobresia	<i>Kobresia simpliciuscula</i>		Y	S4	G5		1		L
small-flowered lipocarpha	<i>Lipocarpha micrantha</i>		R	S1	G5	E	1		L
white beak-rush	<i>Rhynchospora alba</i>		Y	S4	G5		1		L
brown beak-rush	<i>Rhynchospora capillacea</i>		R	S1	G4		1		L
	<i>Schoenoplectus acutus</i>			SNR			2		L
	<i>Schoenoplectus americanus</i>		R	S1	G5		1		L
Olney's bulrush	<i>Schoenoplectus pungens</i>	var. <i>longispicatus</i>	Y	S5	G5T5?			1	L
American bulrush	<i>Schoenoplectus saximontanus</i>		R	S1	G5		1		M
Rocky Mountain clubrush	<i>Schoenoplectus subterminalis</i>		Y	S4	G4G5		1		L
water clubrush	<i>Schoenoplectus tabernaemontani</i>		Y	S5	G5		1		L
soft-stemmed bulrush	<i>Scirpus atrocinctus</i>		Y	S3S4	G5		1		L
wool-grass	<i>Scirpus microcarpus</i>		Y	S5	G5		2		L
small-flowered bulrush	<i>Scirpus pallidus</i>		R	S1	G5		1		L
pale bulrush	<i>Trichophorum alpinum</i>		Y	S3S4	G5		2		L
Hudson Bay clubrush									

tufted clubrush	<i>Trichophorum cespitosum</i>		Y	S5	G5		2		L
dwarf clubrush	<i>Trichophorum pumilum</i>		B	S2S3	G5		1		L
Poaceae									
Indian ricegrass	<i>Achnatherum hymenoides</i>		Y	S4	G5		1		L
Lemmon's needlegrass	<i>Achnatherum lemmonii</i>	<i>var. lemmonii</i>	Y	S3S4	G5T5			1	S
Columbia needlegrass	<i>Achnatherum nelsonii</i>	<i>ssp. dorei</i>	Y	S4	G5T5?			2	M
stiff needlegrass	<i>Achnatherum occidentale</i>	<i>ssp. pubescens</i>	Y	S4	G5T4T5			1	S
spreading needlegrass	<i>Achnatherum richardsonii</i>		Y	S4	G5		1		M
Alaska bentgrass	<i>Agrostis aequivallis</i>		Y	S5	G5?		4		S
spike bentgrass	<i>Agrostis exarata</i>		Y	S5	G5		2		L
alpine bentgrass	<i>Agrostis humilis</i>		Y	S4	G4		2		M
Idaho bentgrass	<i>Agrostis idahoensis</i>		Y	S4	G5		1		M
northern bentgrass	<i>Agrostis mertensii</i>		Y	S4	G5		2		L
small-leaved bentgrass	<i>Agrostis microphylla</i>		Y	S4	G4		1		S
Oregon bentgrass	<i>Agrostis oregonensis</i>		Y	S5	G4		1		S
dune bentgrass	<i>Agrostis pallens</i>		B	S3	G4G5		1		S
hair bentgrass	<i>Agrostis scabra</i>		Y	S5	G5		2		L
mountain bentgrass	<i>Agrostis variabilis</i>		Y	S4	G5		3		M
little meadow-foxtail	<i>Alopecurus aequalis</i>		Y	S5	G5		2		L
alpine meadow-foxtail	<i>Alopecurus alpinus</i>		B	S2S3	G5		1		L
Carolina meadow-foxtail	<i>Alopecurus carolinianus</i>		R	S2	G5		1		L
polargrass	<i>Arctagrostis latifolia</i>	<i>ssp. arundinacea</i>	Y	S4	G5T5			1	L
pendantgrass	<i>Arctophila fulva</i>		B	S2S3	G5		1		L
red three-awn	<i>Aristida purpurea</i>	<i>var. longiseta</i>	Y	S4	G5T5?			1	L
American sloughgrass	<i>Beckmannia syzigachne</i>		Y	S4	G5		2		L
blue grama	<i>Bouteloua gracilis</i>		R	S1	G5		1		L
nodding brome	<i>Bromus anomalus</i>		Y	S4	G5		1		M
California brome	<i>Bromus carinatus</i>		Y	S5	G5		2		M
fringed brome	<i>Bromus ciliatus</i>		Y	S4	G5		2		L
	<i>Bromus marginatus</i>			SNR	GNR		1		L
	<i>Bromus inermis</i> ssp.								
Pumpelly brome	<i>pumpellianus</i>		Y	S4	G5T5			3	M
Pacific brome	<i>Bromus pacificus</i>		Y	S4	G4		3		S
Alaska brome	<i>Bromus sitchensis</i>		Y	S4	G5		4		S
Columbia brome	<i>Bromus vulgaris</i>		Y	S5	G5		3		S

bluejoint reedgrass	<i>Calamagrostis canadensis</i>	<i>var. canadensis</i>	Y	S5	G5T5		2	L
bluejoint reedgrass	<i>Calamagrostis canadensis</i>	<i>var. langsdorfii</i>	Y	S5	G5T5		2	L
Lapland reedgrass	<i>Calamagrostis lapponica</i>		Y	S4	G5	1		L
plains reedgrass	<i>Calamagrostis montanensis</i>		R	S2	G5		2	M
Pacific reedgrass	<i>Calamagrostis nutkaensis</i>		Y	S4	G5	1		S
purple reedgrass	<i>purpurascens</i>	<i>var. purpurascens</i>	Y	S5	G5?T5?		2	L
pinegrass	<i>Calamagrostis rubescens</i>		Y	S5	G5	1		M
one-and-a-half flowered reedgrass	<i>Calamagrostis sesquiflora</i>		Y	S3S4	G4?	1		L
slimstem reedgrass	<i>Calamagrostis stricta</i>	<i>ssp. inexpansa</i>	Y	S5	G5T5		2	L
slimstem reedgrass	<i>Calamagrostis stricta</i>	<i>ssp. stricta</i>	Y	S4	G5T5		1	L
prairie sandgrass	<i>Calamovilfa longifolia</i>	<i>var. longifolia</i>	Y	S3S4	G5T5		1	L
nodding wood-reed	<i>Cinna latifolia</i>		Y	S5	G5	1		L
moss grass	<i>Coleanthus subtilis</i>		R	S1	G3G5	1		L
California oatgrass	<i>Danthonia californica</i>		Y	S5	G5	1		L
timber oatgrass	<i>Danthonia intermedia</i>		Y	S5	G5	2		L
poverty oatgrass	<i>Danthonia spicata</i>		Y	S4	G5	2		L
one-spike oatgrass	<i>Danthonia unispicata</i>		Y	S4	G5	1		L
tufted hairgrass	<i>Deschampsia cespitosa</i>	<i>ssp. beringensis</i>	Y	S5	G5T5		3	S
tufted hairgrass	<i>Deschampsia cespitosa</i>	<i>ssp. cespitosa</i>	Y	S5	G5T5		2	L
	<i>Deschampsia</i>							
annual hairgrass	<i>danthonioides</i>		Y	S3S4	G5	1		L
slender hairgrass	<i>Deschampsia elongata</i>		Y	S4	G5	1		L
western witchgrass	<i>Dichanthelium acuminatum</i>	<i>var. fasciculatum</i>	Y	S4	G5T5		1	L
Scribner's witchgrass	<i>Dichanthelium oligosanthes</i>	<i>var. scribnerianum</i>	Y	S4	G5T5		1	L
seashore saltgrass	<i>Distichlis spicata</i>	<i>var. spicata</i>	Y	S4	G5TNR		1	S
alkali saltgrass	<i>Distichlis spicata</i>	<i>var. stricta</i>	Y	S5	GNR		1	S
Alaska wildrye	<i>Elymus alaskanus</i>	<i>ssp. latiglumis</i>	Y	S5	G5T5		2	M
Calder's wildrye	<i>Elymus calderi</i>		B	S2S3	G3G4	1		S
Canada wildrye	<i>Elymus canadensis</i>		Y	S4	G5	1		L
squirreltail grass	<i>Elymus elymoides</i>	<i>ssp. californicus</i>	Y	S4	G5T3T5		1	S
squirreltail grass	<i>Elymus elymoides</i>	<i>ssp. elymoides</i>	Y	S4	G5T5		1	M
blue wildrye	<i>Elymus glaucus</i>	<i>ssp. glaucus</i>	Y	S5	G5T5		2	L
blue wildrye	<i>Elymus glaucus</i>	<i>ssp. virescens</i>	Y	S3S4	G5T4?		1	S
hairy wildrye	<i>Elymus hirsutus</i>		Y	S4	G5	4		S
thickspike wildrye	<i>Elymus lanceolatus</i>	<i>ssp. lanceolatus</i>	Y	S4	G5T5		1	L
Siberian wildrye	<i>Elymus sibiricus</i>		B	S2S3	GNR	1		L

slender wheatgrass	<i>Elymus trachycaulus</i>	<i>ssp. subsecundus</i>	Y	S4	G5T5		2	L
slender wheatgrass	<i>Elymus trachycaulus</i>	<i>ssp. trachycaulus</i>	Y	S5	G5T5		2	L
beardless wildrye	<i>Elymus virginicus</i> var. <i>submuticus</i>		R	SH	G5T4T5		1	L
Montana wildrye	<i>Elymus x albicans</i>		Y	S5	G5?	2		M
tufted lovegrass	<i>Eragrostis pectinacea</i>		R	S1	G5	1		L
Altai fescue	<i>Festuca altaica</i>		Y	S5	G5	2		L
Baffin fescue	<i>Festuca baffinensis</i>		Y	S4	G5	1		L
alpine fescue	<i>Festuca brachyphylla</i>		Y	S4	G5	2		L
rough fescue	<i>Festuca campestris</i>		Y	S5	G5?	1		L
Idaho fescue	<i>Festuca idahoensis</i>	<i>ssp. idahoensis</i>	Y	S4	G5TNR		1	M
Roemer's fescue	<i>Festuca idahoensis</i>	<i>ssp. roemeri</i>	Y	S4	G5TNR		3	S
little fescue	<i>Festuca minutiflora</i>		B	S2S3	G5	1		M
western fescue	<i>Festuca occidentalis</i>		Y	S4	G5	2		M
red fescue	<i>Festuca rubra</i>	<i>ssp. rubra</i>	Y	S5	G5T4		2	L
Rocky Mountain fescue	<i>Festuca saximontana</i>		Y	S5	G5	2		L
bearded fescue	<i>Festuca subulata</i>		Y	S4	G5	1		L
crinkle-awned fescue	<i>Festuca subuliflora</i>		Y	S4	G5	2		S
green fescue	<i>Festuca viridula</i>		Y	S4	G5	1		S
viviparous fescue	<i>Festuca viviparoides</i>		Y	S4	G4G5	3		S
northern mannagrass	<i>Glyceria borealis</i>		Y	S4	G5	2		L
tall mannagrass	<i>Glyceria elata</i>		Y	S5	G4G5	3		M
reed mannagrass	<i>Glyceria grandis</i>		Y	S5	G5	2		L
slender-spiked mannagrass	<i>Glyceria leptostachya</i>		B	S2S3	G3	3		S
western mannagrass	<i>Glyceria occidentalis</i>		B	S2S3	G5	1		S
slender mannagrass	<i>Glyceria pulchella</i>		B	S2S3	G5	1		S
fowl mannagrass	<i>Glyceria striata</i>		Y	S5	G5	3		L
spike-oat	<i>Helictotrichon hookeri</i>		B	S2S3	G5	1		L
needle-and-thread grass	<i>Hesperostipa comata</i>	<i>ssp. comata</i>	Y	S5	G5T5		1	L
needle-and-thread grass	<i>Hesperostipa comata</i>	<i>ssp. intermedia</i>	Y	S5	G5T5		1	M
short-awned porcupinegrass	<i>Hesperostipa curtisetata</i>		Y	S4	G5	1		S
porcupinegrass	<i>Hesperostipa spartea</i>		R	S2	G5	1		L
alpine sweetgrass	<i>Hierochloa alpina</i>		Y	S5	G5	2		L
common sweetgrass	<i>Hierochloa hirta</i>	<i>ssp. arctica</i>	Y	S5	G5T5		1	L
meadow barley	<i>Hordeum brachyantherum</i>	<i>ssp. brachyantherum</i>	Y	S5	G5T5		2	L
foxtail barley	<i>Hordeum jubatum</i>	<i>ssp. intermedium</i>	Y	S4	G5T5		1	L
foxtail barley	<i>Hordeum jubatum</i>	<i>ssp. jubatum</i>	Y	S4	G5T5		2	L
junegrass	<i>Koeleria macrantha</i>		Y	S5	G5	2		L

rice cutgrass	<i>Leersia oryzoides</i>		B	S2S3	G5		1		L
giant wildrye	<i>Leymus cinereus</i>		Y	S4	G5		1		M
fuzzy-spiked wildrye	<i>Leymus innovatus</i>		Y	S4	G5		1		L
dune wildrye	<i>Leymus mollis</i>	<i>ssp. mollis</i>	Y	S5	G5T5			1	L
creeping wildrye	<i>Leymus triticoides</i>		R	S1	G4G5		1		M
oniongrass	<i>Melica bulbosa</i>	<i>var. bulbosa</i>	R	S2	G5TNRQ		1		M
little oniongrass	<i>Melica fugax</i>		R	S2	G4		1		S
Harford's melic	<i>Melica harfordii</i>		Y	S3S4	G5		1		S
Smith's melic	<i>Melica smithii</i>		B	S2S3	G4		3		M
purple oniongrass	<i>Melica spectabilis</i>		B	S2S3	G5		1		M
Alaska oniongrass	<i>Melica subulata</i>		Y	S5	G5		1		M
foxtail muhly	<i>Muhlenbergia andina</i>		R	S1	G4		1		M
alkali muhly	<i>Muhlenbergia asperifolia</i>		Y	S4	G5		1		L
slender muhly	<i>Muhlenbergia filiformis</i>		R	S1	G5		1		L
marsh muhly	<i>Muhlenbergia glomerata</i>		B	S3	G5		1		L
wirestem muhly	<i>Muhlenbergia mexicana</i>		Y	S4	G5		1		L
satin grass	<i>Muhlenbergia racemosa</i>		R	S1	G5		1		L
mat muhly	<i>Muhlenbergia richardsonis</i>		Y	S4	G5		1		L
green needlegrass	<i>Nassella viridula</i>		Y	S3S4	G5		1		L
rough-leaved ricegrass	<i>Oryzopsis asperifolia</i>		Y	S4	G5		2		L
common witchgrass	<i>Panicum capillare</i>		Y	S4	G5		1		L
western bluegrass	<i>Pascopyrum smithii</i>		Y	S5	G5		1		L
reed canarygrass	<i>Phalaris arundinacea</i>		Y	S5	G5		1		L
snow grass	<i>Phippsia algida</i>		B	S2S4	G5		**		M
alpine timothy	<i>Phleum alpinum</i>		Y	S5	G5		2		L
common reed	<i>Phragmites australis</i>		Y	S3S4	G5		1		L
little ricegrass	<i>Piptatherum exiguum</i>		Y	S4	G5		1		M
small-flowered ricegrass	<i>Piptatherum micranthum</i>		Y	S4	G5		1		M
short-awned ricegrass nodding	<i>Piptatherum pungens</i>		Y	S4	G5		1		L
semaphoregrass	<i>Pleuropogon refractus</i>		B	S3	G4		3		S
abbreviated bluegrass	<i>Poa abbreviata</i>	<i>ssp. pattersonii</i>	B	S2S3	G5T5			1	M
alpine bluegrass	<i>Poa alpina</i>	<i>ssp. alpina</i>	Y	S5	G5T5			2	L
arctic bluegrass	<i>Poa arctica</i>	<i>ssp. arctica</i>	Y	S4	G5T3T5			1	L
arctic bluegrass	<i>Poa arctica</i>	<i>ssp. lanata</i>	Y	S4	G5			1	S
beach bluegrass	<i>Poa confinis</i>		Y	S3S4	G5		3		L
Cusick's bluegrass	<i>Poa cusickii</i>	<i>ssp. epilis</i>	Y	S4	G5T5			3	S
Cusick's bluegrass	<i>Poa cusickii</i>	<i>ssp. pallida</i>	Y	S3S4	G5T4T5			3	M
Cusick's bluegrass	<i>Poa cusickii</i>	<i>ssp. purpurascens</i>	Y	S4	G5T3T5			3	S

eminent bluegrass	<i>Poa eminens</i>		B	S2S3	G5	1		L
mutton grass	<i>Poa fendleriana</i>	<i>ssp. fendleriana</i>	R	S1	G5T5		1	M
mutton grass	<i>Poa fendleriana</i>	<i>ssp. longiligula</i>	Y	S4	GNR		1	M
glaucous bluegrass	<i>Poa glauca</i>	<i>ssp. glauca</i>	Y	S5	G5T5?		2	L
glaucous bluegrass	<i>Poa glauca</i>	<i>ssp. rupicola</i>	Y	S5	G5T3T5		2	L
Howell's bluegrass	<i>Poa howellii</i>		Y	S3S4	G3G5	1		S
Banff bluegrass	<i>Poa laxa</i>	<i>ssp. banffiana</i>	R	SH	G5?T1		3	S
lax-flowered bluegrass	<i>Poa laxiflora</i>		Y	S3S4	G3G4	4		S
bog bluegrass	<i>Poa leptocoma</i>		Y	S4	G5	2		L
Letterman's bluegrass	<i>Poa lettermanii</i>		Y	S4	G4	3		M
dune bluegrass	<i>Poa macrantha</i>		Y	S3S4	G5	3		S
weeping bluegrass	<i>Poa marcida</i>		Y	S3S4	G4G5	4		S
interior bluegrass	<i>Poa nemoralis</i>	<i>ssp. interior</i>	Y	S4	G5T4T5		2	L
coastal bluegrass	<i>Poa nervosa</i>		R	SH	G3?	1		S
fowl bluegrass	<i>Poa palustris</i>		Y	S4	G5	2		L
few-flowered bluegrass	<i>Poa paucispicula</i>		Y	S4	G5T5	2		L
Kentucky bluegrass	<i>Poa pratensis</i>	<i>ssp. agassizensis</i>	Y	S3S4	G5TNR		1	?
Kentucky bluegrass	<i>Poa pratensis</i>	<i>ssp. alpigena</i>	Y	S3S4	G5T5		1	L
Kentucky bluegrass	<i>Poa pratensis</i>	<i>ssp. colpodea</i>	Y	S3S4	G5T3T5		1	S
polar bluegrass	<i>Poa pseudoabbreviata</i>		B	S2S3	G4	1		L
Nevada bluegrass	<i>Poa secunda</i>	<i>ssp. juncifolia</i>	Y	S5	G5TNR		1	?
Sandberg's bluegrass	<i>Poa secunda</i>	<i>ssp. secunda</i>	Y	S5	G5TNR		2	L
narrow-flowered bluegrass	<i>Poa stenantha</i>	<i>var. stenantha</i>	Y	S5	G5		1	L
Suksdorf's bluegrass	<i>Poa suksdorfii</i>		R	S1	G4	*		S
Wheeler's bluegrass	<i>Poa wheeleri</i>		Y	S4	G5?	3		M
bluebunch wheatgrass	<i>Pseudoroegneria spicata</i>	<i>ssp. inermis</i>	Y	S5	G5T5?		1	M
bluebunch wheatgrass	<i>Pseudoroegneria spicata</i>	<i>ssp. spicata</i>	Y	S4	G5T5		1	M
Pacific alkaligrass	<i>Puccinellia nutkaensis</i>		Y	S4	G4?	3		S
Nuttall's alkaligrass	<i>Puccinellia nuttalliana</i>		Y	S4	G5	1		L
dwarf alkaligrass	<i>Puccinellia pumila</i>		Y	S4	G4?	3		M
false melic	<i>Schizachne purpurascens</i>		Y	S4	G5	1		L
little bluestem	<i>Schizachyrium scoparium</i>		R	S1	G5	1		L
rivergrass	<i>Scolochloa festucacea</i>		R	S2	G5	1		M
alkali cordgrass	<i>Spartina gracilis</i>		Y	S4	G5	1		L
slender wedgegrass	<i>Sphenopholis intermedia</i>		B	S3	G5	1		L
prairie wedgegrass	<i>Sphenopholis obtusata</i>		R	S1	G5	1		L
hairgrass dropseed	<i>Sporobolus airoides</i>		R	S1	G5	1		L
rough dropseed	<i>Sporobolus compositus</i>	<i>var. compositus</i>	B	S3	G5T5		1	D1 L

sand dropseed	<i>Sporobolus cryptandrus</i>		Y	S3S4	G5		1		L
Fernald's false manna	<i>Torreyochloa pallida</i>		R	S1	G5		1		L
weak false-manna	<i>Torreyochloa pauciflora</i>		Y	S4	G5		2		M
tall trisetum	<i>Trisetum canescens</i>		Y	S5	G5		3		M
spike trisetum	<i>Trisetum spicatum</i>		Y	S5	G5		2		L
Wolf's trisetum	<i>Trisetum wolfii</i>		B	S2S3	G4		1		M
mountain hairgrass	<i>Vahlodea atropurpurea</i>		Y	S5	G5		1		L
small fescue	<i>Vulpia microstachys</i>		Y	S4	G5		1		L
six-weeks grass	<i>Vulpia octoflora</i>		Y	S4	G5		1		L
HYDROCHARITALES									
Hydrocharitaceae									
Canadian waterweed	<i>Elodea canadensis</i>		Y	S5	G5		1		L
Nuttall's waterweed	<i>Elodea nuttallii</i>		B	S2S3	G5		1		L
JUNCALES									
Juncaceae									
tapered rush	<i>Juncus acuminatus</i>		Y	S4	G5		1		L
whitish rush	<i>Juncus albescens</i>		B	S2S3	G5		2		L
alpine rush	<i>Juncus alpinoarticulatus</i>		Y	S4	G5		2		L
arctic rush	<i>Juncus arcticus</i>	<i>ssp. alaskanus</i>	B	S2S3	G5T4T5			1	L
arctic rush	<i>Juncus arcticus</i>	<i>ssp. sitchensis</i>	Y	S5	G5T5?			1	L
jointed rush	<i>Juncus articulatus</i>		Y	S5	G5		2		L
Baltic rush	<i>Juncus balticus</i>		Y	S4	G5		2		L
two-flowered rush	<i>Juncus biglumis</i>		Y	S4	G5		1		L
Bolander's rush	<i>Juncus bolanderi</i>		Y	S3S4	G5		3		S
Brewer's rush	<i>Juncus breweri</i>		Y	S3S4	G3		3 or 4		S
toad rush	<i>Juncus bufonius</i>		Y	S5	G5		2		L
chestnut rush	<i>Juncus castaneus</i>	<i>ssp. castaneus</i>	Y	S4	G5T5			2	L
chestnut rush	<i>Juncus castaneus</i>	<i>ssp. leucochlamys</i>		SNR	G5TNR			1	S
Colorado rush	<i>Juncus confusus</i>		R	S1	G5		1		M
Coville's rush	<i>Juncus covillei</i>		Y	S4	G5		3		S
Drummond's rush	<i>Juncus drummondii</i>	<i>var. drummondii</i>	Y	S5	G5T5			4	S
Drummond's rush	<i>Juncus drummondii</i>		2 Y	S5	G5T3T5Q			2	S
Dudley's rush	<i>Juncus dudleyi</i>		Y	S4	G5		1		L
common rush	<i>Juncus effusus</i>	<i>var. brunneus</i>	Y	S4	G5T3T5			1	S
common rush	<i>Juncus effusus</i>	<i>var. gracilis</i>	Y	S4	G5T4T5			3?	S
common rush	<i>Juncus effusus</i>	<i>var. pacificus</i>	Y	S5	G5T5			3?	S
dagger-leaf rush	<i>Juncus ensifolius</i>	<i>var. ensifolius</i>	Y	S4	GNRT5			3	L
dagger-leaf rush	<i>Juncus ensifolius</i>	<i>var. montanus</i>	Y	S4	G5			1	M
sickle-leaved rush	<i>Juncus falcatus</i>		Y	S4	G5		1		L
thread rush	<i>Juncus filiformis</i>		Y	S4	G5		2		L
inland rush	<i>Juncus interior</i>		Y	S4	G4G5		2		L
Kellogg's rush	<i>Juncus kelloggii</i>		R	S1	G3?	E	1	D1	S
SALT RUSH	<i>Juncus lesueurii</i>			SNR	G5		3		S

long-styled rush	<i>Juncus longistylis</i>		Y	S3S4	G5		1		L
Mertens' rush	<i>Juncus mertensianus</i>		Y	S5	G5		3		M
Sierra rush	<i>Juncus nevadensis</i>		Y	S4	G5		1		M
tuberous rush	<i>Juncus nodosus</i>		Y	S4	G5		2		M
western rush	<i>Juncus occidentalis</i>		B	S2S3	G5		3		S
pointed rush	<i>Juncus oxymeris</i>		B	S2S3	G5		1		S
Parry's rush	<i>Juncus parryi</i>		Y	S4	G4G5		2		M
Regel's rush	<i>Juncus regelii</i>		Y	S3S4	G4?		3		S
bog rush	<i>Juncus stygius</i>		B	S2S3	G5		1		L
spreading rush	<i>Juncus supiniformis</i>		Y	S5	G5		3		S
slender rush	<i>Juncus tenuis</i>		Y	S5	G5		2		L
Torrey's rush	<i>Juncus torreyi</i>		Y	S3S4	G5		1		L
three-flowered rush	<i>Juncus triglumis</i>		Y	S4	G5		1		M
Vasey's rush	<i>Juncus vaseyi</i>		Y	S4	G5?		1		L
curved wood-rush	<i>Luzula arcuata</i>	<i>ssp. unalaschcensis</i>	Y	S4	G5T3T5			3	L
Pacific wood-rush	<i>Luzula comosa</i>	<i>var. comosa</i>	Y	S4	G4G5T4T5			1	S
Pacific wood-rush	<i>Luzula comosa</i>	<i>var. laxa</i>	Y	S4	G4G5TNR			?	S
northern wood-rush	<i>Luzula confusa</i>		B	S2S3	G5		1		L
forked wood-rush	<i>Luzula fastigiata</i>		Y	S5	G5		1		S
Greenland wood-rush	<i>Luzula groenlandica</i>		B	S2S3	G4		1		L
Hitchcock's wood-rush	<i>Luzula hitchcockii</i>		Y	S4	G4		3		S
Kjellman's wood-rush	<i>Luzula kjellmaniana</i>		B	S2S3	GNR		1		S
many-flowered wood-rush	<i>Luzula multiflora</i>	<i>ssp. frigida</i>	Y	S4	G5T5		1		L
many-flowered wood-rush	<i>Luzula multiflora</i>	<i>ssp. multiflora</i>	Y	S4	G5T5		1		L
arctic wood-rush	<i>Luzula nivalis</i>		B	S2S3	G5				S
small-flowered wood-rush	<i>Luzula parviflora</i>		Y	S5	G5		1		L
Piper's wood-rush	<i>Luzula piperi</i>		Y	S4	G4		1		L
rusty wood-rush	<i>Luzula rufescens</i>		B	S2S3	G5		1	D1?	4
spiked wood-rush	<i>Luzula spicata</i>		Y	S4	G5		1		L
short-stalked wood-rush	<i>Luzula subsessilis</i>		Y	S5	G5		3	D1?	S
LILIALES									
Iridaceae									
satinflower	<i>Olsynium douglasii</i>	<i>var. douglasii</i>	Y	S4	G4G5TNR			1	S
satinflower	<i>Olsynium douglasii</i>	<i>var. inflatum</i>	R	S1	G4G5T3T4			1	S
golden-eyed-grass	<i>Sisyrinchium californicum</i>		Y	S3S4	G4?		1		S
Idaho blue-eyed-grass	<i>Sisyrinchium idahoense</i>	<i>var. idahoense</i>	Y	S3S4	G5T4			1	S

Idaho blue-eyed-grass	<i>Sisyrinchium idahoense</i>	<i>var. macounii</i>	Y	S3S4	G5TNR		4		S
Idaho blue-eyed-grass	<i>Sisyrinchium idahoense</i>	<i>var. segetum</i>		SNR	G5TNR		?		S
shore blue-eyed-grass	<i>Sisyrinchium littorale</i>		Y	S4	G4?		4		S
mountain blue-eyed-grass	<i>Sisyrinchium montanum</i>		Y	S4	G5		1		L
northern blue-eyed-grass	<i>Sisyrinchium septentrionale</i>		Y	S3S4	G3G4		1		S
Liliaceae									
Hooker's onion	<i>Allium acuminatum</i>		Y	S3S4	G5		1		M
slimleaf onion	<i>Allium amplexens</i>		B	S3	G4		1		S
nodding onion	<i>Allium cernuum</i>	<i>var. cernuum</i>	Y	S5	G5T5			2	L
Olympic onion	<i>Allium crenulatum</i>		R	S2	G4		3		S
Geyer's onion	<i>Allium geeyeri</i>	<i>var. tenerum</i>	B	S2S3	G4G5T3T5			1	M
wild chives	<i>Allium schoenoprasum</i>	<i>var. sibiricum</i>	Y	S4	G5T5			2	L
swamp onion	<i>Allium validum</i>		R	S1	G4		1		S
harvest brodiaea	<i>Brodiaea coronaria</i>	<i>ssp. coronaria</i>	Y	S3S4	G4T4			1	S
three-spot mariposa lily	<i>Calochortus apiculatus</i>		Y	S4	G4		3		S
Lyall's mariposa lily	<i>Calochortus lyallii</i>		R	S2	G3	T	1		S
sagebrush mariposa lily	<i>Calochortus macrocarpus</i>	<i>var. macrocarpus</i>	Y	S4	G5T5?			3	S
great camas	<i>Camassia leichtlinii</i>	<i>ssp. suksdorfii</i>	Y	S4	G4G5T4T5			1	S
common camas	<i>Camassia quamash</i>	<i>ssp. azurea</i>	No status	SU	G5T2T4			5	S
common camas	<i>Camassia quamash</i>	<i>ssp. maxima</i>	Y	S4	G5T3T5			1	S
common camas	<i>Camassia quamash</i>	<i>ssp. quamash</i>	Y	S4	G5T3T5			1	S
queen's cup	<i>Clintonia uniflora</i>		Y	S5	G4G5		4		S
yellow glacier lily	<i>Erythronium grandiflorum</i>	<i>ssp. grandiflorum</i>	Y	S5	G5T5			3	S
white glacier lily	<i>Erythronium montanum</i>		B	S2S3	G4		3		S
white fawn lily	<i>Erythronium oregonum</i>	<i>ssp. oregonum</i>	Y	S5	G5T5			3	S
pink fawn lily	<i>Erythronium revolutum</i>		Y	S4	G4		3		S
chocolate lily	<i>Fritillaria affinis</i>	<i>var. affinis</i>	Y	S5	G5T5			3	S
northern rice-root	<i>Fritillaria camschatcensis</i>		Y	S5	G5		3		L
yellow bell	<i>Fritillaria pudica</i>		Y	S4	G5		1		M
tiger lily	<i>Lilium columbianum</i>		Y	S5	G4G5		5		S
wood lily	<i>Lilium philadelphicum</i>	<i>var. andinum</i>	Y	S3S4	G5T4T5			1	L
alp lily	<i>Lloydia serotina</i>	<i>var. flava</i>	B	S3	G5T3			7	S
alp lily	<i>Lloydia serotina</i>	<i>var. serotina</i>	Y	S4	G5T5			1	M
wild lily-of-the-valley	<i>Maianthemum canadense</i>		Y	S4	G5		1		L
false lily-of-the-valley	<i>Maianthemum dilatatum</i>		Y	S5	G5		3		S

false Solomon's-seal star-flowered false	<i>Maianthemum racemosum</i>	<i>ssp. amplexicaule</i>	Y	S5	G5T5?		3	L	
Solomon's-seal three-leaved false	<i>Maianthemum stellatum</i>		Y	S5	G5		2	L	
Solomon's-seal	<i>Maianthemum trifolium</i>		Y	S4	G5		1	L	
Hooker's fairybells	<i>Prosartes hookeri</i>	<i>var. oregana</i>	Y	S5	G5T4T5		4	S	
Smith's fairybells	<i>Prosartes smithii</i>		B	S3	G5		1	S	
rough-fruited fairybells	<i>Prosartes trachycarpa</i>		Y	S5	G5		3	M	
western mountainbells	<i>Stenanthium occidentale</i>		Y	S4	G4		3	S	
clasping twistedstalk	<i>Streptopus amplexifolius</i>	<i>var. amplexifolius</i>	Y	S5	G5T5		2	L	
clasping twistedstalk	<i>Streptopus amplexifolius</i>	<i>var. chalazatus</i>	Y	S5	G5T5		2	M	
rosy twistedstalk	<i>Streptopus lanceolatus</i>	<i>var. curvipes</i>	Y	S4	G5T4?		2	S	
small twistedstalk	<i>Streptopus streptopoides</i>	<i>ssp. brevipes</i>	Y	S5	G5T4		4	S	
northern false asphodel	<i>Tofieldia coccinea</i>		B	S2S3	G5		1	L	
common false asphodel	<i>Tofieldia pusilla</i>		Y	S4	G5		1	L	
sticky false asphodel	<i>Triantha glutinosa</i>		Y	S5	G3G5		2	L	
western false asphodel	<i>Triantha occidentalis</i>	<i>ssp. brevistyla</i>	Y	S5	G5T4		3	S	
western false asphodel	<i>Triantha occidentalis</i>	<i>ssp. montana</i>	Y	S5	G5T4T5		3	S	
dwarf trillium	<i>Trillium ovatum</i>	<i>var. hibbersonii</i>	R	S1	G5T1Q		7	S	
western trillium	<i>Trillium ovatum</i>	<i>var. ovatum</i>	Y	S5	G5T5		1	S	
large-flowered triteleia	<i>Triteleia grandiflora</i>		Y	S4	G4G5		1	S	
Howell's triteleia	<i>Triteleia howellii</i>		R	S1	G3G4	E	1	S	
white triteleia	<i>Triteleia hyacinthina</i>		Y	S4	G4G5		1	S	
Indian hellebore	<i>Veratrum viride</i>		Y	S5	G5		4	L	
bear-grass	<i>Xerophyllum tenax</i>		Y	S5	G4G5		1	S	
mountain death-camas	<i>Zigadenus elegans</i>	<i>ssp. elegans</i>	Y	S5	G5T5		1	L	
meadow death-camas	<i>Zigadenus venenosus</i>	<i>var. gramineus</i>	Y	S5	G5T5		1	L	
meadow death-camas	<i>Zigadenus venenosus</i>	<i>var. venenosus</i>	Y	S5	G5T5		1	S	
Pontederiaceae									
water star-grass	<i>Zosterella dubia</i>		Y	S3S4	G5		1	L	
NAJADALES									
Juncaginaceae									
flowering quillwort	<i>Lilaea scilloides</i>		B	S2S3	G5?		1	L	
graceful arrow-grass	<i>Triglochin concinna</i>		R	S2	G5		1	L	
seaside arrow-grass	<i>Triglochin maritima</i>		Y	S5	G5		2	L	
marsh arrow-grass	<i>Triglochin palustris</i>		Y	S5	G5		2	L	
Najadaceae									

wavy water nymph	<i>Najas flexilis</i>		Y	S5	G5		2		L
	Potamogetonaceae								
northern pondweed	<i>Potamogeton alpinus</i>		Y	S4	G5		2		L
large-leaved pondweed	<i>Potamogeton amplifolius</i>		Y	S4	G5		1		L
ribbon-leaf pondweed	<i>Potamogeton epihydrus</i>		Y	S5	G5		2		L
closed-leaved pondweed	<i>Potamogeton foliosus</i>		Y	S4	G5		2		L
flat-stalked pondweed	<i>Potamogeton friesii</i>		Y	S4	G4		2		L
grass-leaved pondweed	<i>Potamogeton gramineus</i>		Y	S4	G5		2		L
Illinois pondweed	<i>Potamogeton illinoensis</i>		Y	S3S4	G5		1		L
floating-leaved pondweed	<i>Potamogeton natans</i>		Y	S5	G5		2		L
long-leaved pondweed	<i>Potamogeton nodosus</i>		R	S1	G5		1		L
Oakes' pondweed	<i>Potamogeton oakesianus</i>		B	S2S3	G4		1	D1	L
blunt-leaved pondweed	<i>Potamogeton obtusifolius</i>		Y	S4	G5		1		L
perfoliate pondweed	<i>Potamogeton perfoliatus</i>		B	S2S3	G5		1	D1	L
long-stalked pondweed	<i>Potamogeton praelongus</i>		Y	S4	G5		2		L
small pondweed	<i>Potamogeton pusillus</i>	<i>ssp. pusillus</i>	Y	S4	G5T5			2	L
small pondweed	<i>Potamogeton pusillus</i>	<i>ssp. tenuissimus</i>	Y	S4	G5T5			2	L
Richardson's pondweed	<i>Potamogeton richardsonii</i>		Y	S5	G5		2		L
Robbin's pondweed	<i>Potamogeton robbinsii</i>		Y	S4	G5		2		L
stiff-leaved pondweed	<i>Potamogeton strictifolius</i>		B	S2S3	G5		1		L
eel-grass pondweed	<i>Potamogeton zosteriformis</i>		Y	S4	G5		2		L
slender-leaved pondweed	<i>Stuckenia filiformis</i>	<i>ssp. alpina</i>	Y	S4	G5T5			2	L
slender-leaved pondweed	<i>Stuckenia filiformis</i>	<i>ssp. occidentalis</i>	Y	S4	G5T5			2	M
fennel-leaved pondweed	<i>Stuckenia pectinata</i>		Y	S4	G5		2		L
sheathing pondweed	<i>Stuckenia vaginata</i>		B	S2S3	G5		2		L
	Ruppiaceae								
spiral ditch-grass	<i>Ruppia cirrhosa</i>		Y	S4	G5		1		L
beaked ditch-grass	<i>Ruppia maritima</i>		Y	S5	G5		1		L
	Scheuchzeriaceae								
scheuchzeria	<i>Scheuchzeria palustris</i>	<i>ssp. americana</i>	Y	S4	G5T5			2	L
	Zannichelliaceae								
horned pondweed	<i>Zannichellia palustris</i>		Y	S4	G5		2		L
	Zosteraceae								

Scouler's surf-grass	<i>Phyllospadix scouleri</i>		Y	S5	G5		3		S
toothed surf-grass	<i>Phyllospadix serrulatus</i>		Y	S4	G4		4		S
Torrey's surf-grass	<i>Phyllospadix torreyi</i>		Y	S4	G4G5		3		S
common eel-grass	<i>Zostera marina</i>		Y	S5	G5		1		L
ORCHIDALES									
Orchidaceae									
round-leaved orchis	<i>Amerorchis rotundifolia</i>		Y	S3S4	G5		2		L
fairy-slipper	<i>Calypso bulbosa</i>	<i>var. americana</i>	Y	S5	G5T5?			2	L
fairy-slipper	<i>Calypso bulbosa</i>	<i>var. occidentalis</i>	Y	S5	G5T5			4	S
phantom orchid	<i>Cephalanthera austiniiae</i>		R	S2	G4	T	1		S
long-bracted frog orchid	<i>Coeloglossum viride</i>	<i>var. virescens</i>	Y	S3S4	G5T5			2	L
spotted coralroot	<i>Corallorhiza maculata</i>		Y	S5	G5		2		L
western coralroot	<i>Corallorhiza mertensiana</i>		Y	S5	G4G5		3		S
striped coralroot	<i>Corallorhiza striata</i>	<i>var. striata</i>	Y	S5	G5T4T5			3	L
yellow coralroot	<i>Corallorhiza trifida</i>		Y	S5	G5		2		L
mountain lady's-slipper	<i>Cypripedium montanum</i>		Y	S3S4	G4		3		S
yellow lady's-slipper	<i>Cypripedium parviflorum</i>	<i>var. makasin</i>	Y	S3S4	G5T4Q			1	L
yellow lady's-slipper	<i>Cypripedium parviflorum</i>	<i>var. pubescens</i>	Y	S3S4	G5T5			1	L
sparrow's-egg lady's-slipper	<i>Cypripedium passerinum</i>		Y	S3S4	G4G5		1		M
giant helleborine	<i>Epipactis gigantea</i>		B	S2S3	G3G4	SC	1		L
rattlesnake-plantain	<i>Goodyera oblongifolia</i>		Y	S5	G5?		3		L
dwarf rattlesnake orchid	<i>Goodyera repens</i>		Y	S4	G5		1		L
yellow widelip orchid	<i>Liparis loeselii</i>		R	S1	G5		1		L
northern twayblade	<i>Listera borealis</i>		Y	S3S4	G4		2		M
northwestern twayblade	<i>Listera caurina</i>		Y	S3S4	G4?		2		S
broad-leaved twayblade	<i>Listera convallarioides</i>		Y	S3S4	G5		5		L
heart-leaved twayblade	<i>Listera cordata</i>		Y	S5	G5		2		L
white adder's-mouth orchid	<i>Malaxis brachypoda</i>		B	S2S3	G4Q		3		L
Aleutian adder's-mouth orchid	<i>Malaxis diphyllis</i>		B	S2S3	G3?Q		1		L
bog adder's-mouth orchid	<i>Malaxis paludosa</i>		B	S2S3	G4		1		L
white-lip rein orchid	<i>Piperia candida</i>		R	S2	G3G4		1		S
elegant rein orchid	<i>Piperia elegans</i>		B	S3	G4		4		S
tall rein orchid	<i>Piperia elongata</i>		Y	S3S4	G3G5		1		S
royal rein orchid	<i>Piperia transversa</i>		Y	S3S4	G4?		3		S

Alaska rein orchid	<i>Piperia unalascensis</i>	Y	S5	G5	3		M
northern green rein orchid	<i>Platanthera aquilonis</i>	Y	S5	G5	2		S
Chamisso's rein orchid	<i>Platanthera chorisiana</i>	Y	S3S4	G3G4	3		L
fragrant white rein orchid	<i>Platanthera dilatata</i> var. <i>albiflora</i>	B	S2S3	G5T3T5		3	S
fragrant white rein orchid	<i>Platanthera dilatata</i> var. <i>dilatata</i>	Y	S5	G5T5		4	L
fragrant white rein orchid	<i>Platanthera dilatata</i> var. <i>leucostachys</i>	Y	S5	G5		3	M
Great Lakes rein orchid	<i>Platanthera huronensis</i>	Y	S3S4	G5?	1		L
one-leaved rein orchid	<i>Platanthera obtusata</i> ssp. <i>obtusata</i>	Y	S4	G5TNRQ		2	L
large round-leaved rein orchid	<i>Platanthera orbiculata</i>	Y	S3S4	G5	3		L
slender rein orchid	<i>Platanthera stricta</i>	Y	S5	G5	3		M
hooded ladies' tresses	<i>Spiranthes romanzoffiana</i>	Y	S4	G5	2		L
TYPHALES							
Sparganiaceae							
narrow-leaved bur-reed	<i>Sparganium angustifolium</i>	Y	S5	G5	2		L
emersed bur-reed	<i>Sparganium emersum</i>	Y	S5	G5	2		L
broad-fruited bur-reed	<i>Sparganium eurycarpum</i>	Y	S4	G5	1		L
water bur-reed	<i>Sparganium fluctuans</i>	B	S2S3	G5	1		L
northern bur-reed	<i>Sparganium hyperboreum</i>	Y	S4	G5	2		M
small bur-reed	<i>Sparganium natans</i>	Y	S5	G5	2		L
Typhaceae							
common cattail	<i>Typha latifolia</i>	Y	S5	G5	2		L
Exotic							
lance-leaved water-plantain	<i>Alisma lanceolatum</i>	Exotic	SNA	G4?			
flowering-rush	<i>Butomus umbellatus</i>	Exotic	SNA	G5			
smooth black sedge	<i>Carex nigra</i>	Exotic	SNA	G5			
pale meadow sedge	<i>Carex pallescens</i>	Exotic	SNA	G5			
Swan's sedge	<i>Carex swanii</i>	Exotic	SNA	G5			
European woodland sedge	<i>Carex sylvatica</i>	Exotic	SNA	GNR			
blunt broom sedge	<i>Carex tribuloides</i>	Exotic	SNA	G5			
	<i>Cyperus esculentus</i> var.						
yellow nut-grass	<i>leptostachyus</i>	Exotic	SNA	G5TNR			

tawny cotton-grass	<i>Eriophorum virginicum</i>	Exotic	SNA	G5
bristle clubrush	<i>Isolepis setacea</i>	Exotic	SNA	GNR
	<i>Agropyron cristatum</i> ssp.			
crested wheatgrass	<i>pectinatum</i>	Exotic	SNA	G5TNR
desert wheatgrass	<i>Agropyron desertorum</i>	Exotic	SNA	GNR
Siberian wheatgrass	<i>Agropyron fragile</i>	Exotic	SNA	GNR
colonial bentgrass	<i>Agrostis capillaris</i>	Exotic	SNA	GNR
redtop	<i>Agrostis gigantea</i>	Exotic	SNA	G4G5
creeping bentgrass	<i>Agrostis stolonifera</i>	Exotic	SNA	G5
silver hairgrass	<i>Aira caryophyllea</i>	Exotic	SNA	GNR
early hairgrass	<i>Aira praecox</i>	Exotic	SNA	GNR
water meadow-foxtail	<i>Alopecurus geniculatus</i>	Exotic	SNA	GNR
meadow-foxtail	<i>Alopecurus pratensis</i>	Exotic	SNA	GNR
European beachgrass	<i>Ammophila arenaria</i>	Exotic	SNA	GNR
sand reed	<i>Ammophila breviligulata</i>	Exotic	SNA	G5
annual vernalgrass	<i>Anthoxanthum aristatum</i>	Exotic	SNA	G4G5
sweet vernalgrass	<i>Anthoxanthum odoratum</i>	Exotic	SNA	GNR
interrupted apera	<i>Apera interrupta</i>	Exotic	SNA	GNR
tall oatgrass	<i>Arrhenatherum elatius</i>	Exotic	SNA	GNR
wild oat	<i>Avena fatua</i>	Exotic	SNA	GNR
common oat	<i>Avena sativa</i>	Exotic	SNA	GNR
big quaking grass	<i>Briza maxima</i>	Exotic	SNA	GNR
small quaking grass	<i>Briza minor</i>	Exotic	SNA	GNR
rattlesnake grass	<i>Bromus briziformis</i>	Exotic	SNA	GNR
meadow brome	<i>Bromus commutatus</i>	Exotic	SNA	GNR
	<i>Bromus hordeaceus</i> ssp.			
soft brome	<i>hordeaceus</i>	Exotic	SNA	GNRTNR
	<i>Bromus hordeaceus</i> ssp.			
soft brome	<i>thominei</i>	Exotic	SNA	GNRTNR
	<i>Bromus inermis</i> ssp.			
smooth brome	<i>inermis</i>	Exotic	SNA	G5TNR
Japanese brome	<i>Bromus japonicus</i>	Exotic	SNA	GNR
smooth brome	<i>Bromus racemosus</i>	Exotic	SNA	GNR
rip-gut brome	<i>Bromus rigidus</i>	Exotic	SNA	GNR
rye brome	<i>Bromus secalinus</i>	Exotic	SNA	GNR
corn brome	<i>Bromus squarrosus</i>	Exotic	SNA	GNR
barren brome	<i>Bromus sterilis</i>	Exotic	SNA	GNR
cheatgrass	<i>Bromus tectorum</i>	Exotic	SNA	GNR
	<i>Catabrosa aquatica</i> var.			
water whorlgrass	<i>aquatica</i>	Exotic	SNA	G5T4T5
burggrass	<i>Cenchrus longispinus</i>	Exotic	SNA	G5
Bermuda grass	<i>Cynodon dactylon</i>	Exotic	SNA	GNR
crested dogtail	<i>Cynosurus cristatus</i>	Exotic	SNA	GNR
hedgehog dogtail	<i>Cynosurus echinatus</i>	Exotic	SNA	GNR

orchard-grass	<i>Dactylis glomerata</i>		Exotic	SNA	GNR
heathergrass	<i>Danthonia decumbens</i>		Exotic	SNA	GNR
wavy hairgrass	<i>Deschampsia flexuosa</i>		Exotic	SNA	G5
smooth crabgrass	<i>Digitaria ischaemum</i>		Exotic	SNA	GNR
hairy crabgrass	<i>Digitaria sanguinalis</i>		Exotic	SNA	G5
large barnyard-grass	<i>Echinochloa crusgalli</i>		Exotic	SNA	GNR
quackgrass	<i>Elymus repens</i>		Exotic	SNA	GNR
stinkgrass	<i>Eragrostis cilianensis</i>		Exotic	SNA	GNR
	<i>Eragrostis mexicana</i> ssp.				
Orcutt's lovegrass	<i>virescens</i>		Exotic	SNA	G5T5
little lovegrass	<i>Eragrostis minor</i>		Exotic	SNA	GNR
India lovegrass	<i>Eragrostis pilosa</i>		Exotic	SNA	G4
Oriental false					
wheatgrass	<i>Eremopyrum orientale</i>		Exotic	SNA	GNR
annual wheatgrass	<i>Eremopyrum triticeum</i>		Exotic	SNA	GNR
hair fescue	<i>Festuca filiformis</i>		Exotic	SNA	G5
hard fescue	<i>Festuca trachyphylla</i>		Exotic	SNA	GNR
rattlesnake-grass	<i>Glyceria canadensis</i>		Exotic	SNA	G5
waxy mannagrass	<i>Glyceria declinata</i>		Exotic	SNA	GNR
giant mannagrass	<i>Glyceria maxima</i>		Exotic	SNA	GNR
common velvet-grass	<i>Holcus lanatus</i>		Exotic	SNA	GNR
creeping softgrass	<i>Holcus mollis</i>		Exotic	SNA	GNR
low barley	<i>Hordeum depressum</i>		Exotic	SNA	G5
	<i>Hordeum marinum</i> ssp.				
Mediterranean barley	<i>gussonianum</i>		Exotic	SNA	GNRTNR
	<i>Hordeum murinum</i> ssp.				
seagreen barley	<i>glaucum</i>		Exotic	SNA	GNRTNR
	<i>Hordeum murinum</i> ssp.				
charming barley	<i>leporinum</i>		Exotic	SNA	GNRTNR
	<i>Hordeum murinum</i> ssp.				
wall barley	<i>murinum</i>		Exotic	SNA	GNRTNR
common barley	<i>Hordeum vulgare</i>		Exotic	SNA	GNR
sprangletop	<i>Leptochloa fascicularis</i>		Exotic	SNA	G5
bearded sprangetop	<i>Leptochloa fusca</i>	ssp. <i>ascicularis</i>	Exotic	SNA	G5T5
tall fescue	<i>Lolium arundinaceum</i>		Exotic	SNA	GNR
Italian ryegrass	<i>Lolium multiflorum</i>		Exotic	SNA	GNRTNR
perennial ryegrass	<i>Lolium perenne</i>		Exotic	SNA	GNR
meadow fescue	<i>Lolium pratense</i>		Exotic	SNA	G5
bearded ryegrass	<i>Lolium temulentum</i>		Exotic	SNA	GNR
bog muhly	<i>Muhlenbergia uniflora</i>		Exotic	SNA	G5
smooth witchgrass	<i>Panicum dichotomiflorum</i>		Exotic	SNA	G5
broom-corn millet	<i>Panicum miliaceum</i>		Exotic	SNA	GNR
canarygrass	<i>Phalaris canariensis</i>		Exotic	SNA	GNR
common timothy	<i>Phleum pratense</i>		Exotic	SNA	GNR

annual bluegrass	<i>Poa annua</i>	Exotic	SNA	GNR
bulbous bluegrass	<i>Poa bulbosa</i> ssp. <i>vivipara</i>	Exotic	SNA	GNR
Canada bluegrass	<i>Poa compressa</i>	Exotic	SNA	GNR
diploid annual bluegrass	<i>Poa infirma</i>	Exotic	SNA	GNR
	<i>Poa nemoralis</i> ssp.			
woods bluegrass	<i>nemoralis</i>	Exotic	SNA	G5TNR
	<i>Poa pratensis</i> ssp.			
Kentucky bluegrass	<i>angustifolia</i>	Exotic	SNA	G5TNRQ
Kentucky bluegrass	<i>Poa pratensis</i> ssp. <i>irrigata</i>	Exotic	SNA	G5TU
	<i>Poa pratensis</i> ssp.			
Kentucky bluegrass	<i>pratensis</i>	Exotic	SNA	G5T5
rough bluegrass	<i>Poa trivialis</i>	Exotic	SNA	GNR
rabbitfoot polypogon	<i>Polypogon monspeliensis</i>	Exotic	SNA	GNR
weeping alkaligrass	<i>Puccinellia distans</i>	Exotic	SNA	G5
rye	<i>Secale cereale</i>	Exotic	SNA	GNR
yellow bristlegrass	<i>Setaria glauca</i>	Exotic	SNA	GNR
foxtail millet	<i>Setaria italica</i>	Exotic	SNA	GNR
bur bristlegrass	<i>Setaria verticillata</i>	Exotic	SNA	GNR
green bristlegrass	<i>Setaria viridis</i>	Exotic	SNA	GNR
salt meadowgrass	<i>Spartina patens</i>	Exotic	SNA	G5
	<i>Sporobolus vaginiflorus</i>			
poverty grass	ssp. <i>vaginiflorus</i>	Exotic	SNA	G5T5
intermediate				
wheatgrass	<i>Thinopyrum intermedium</i>	Exotic	SNA	GNR
tall wheatgrass	<i>Thinopyrum ponticum</i>	Exotic	SNA	GNR
wheat	<i>Triticum aestivum</i>	Exotic	SNA	GNR
ventenata	<i>Ventenata dubia</i>	Exotic	SNA	GNR
barren fescue	<i>Vulpia bromoides</i>	Exotic	SNA	GNR
rattail fescue	<i>Vulpia myuros</i>	Exotic	SNA	G5
wild rice	<i>Zizania aquatica</i>	Exotic	SNA	G5
Brazilian waterweed	<i>Egeria densa</i>	Exotic	SNA	G5
American tapegrass	<i>Vallisneria americana</i>	Exotic	SNA	G5
short-tailed rush	<i>Juncus brevicaudatus</i>	Exotic	SNA	G5
bulbous rush	<i>Juncus bulbosus</i>	Exotic	SNA	G5?
Canadian rush	<i>Juncus canadensis</i>	Exotic	SNA	G5
compressed rush	<i>Juncus compressus</i>	Exotic	SNA	G5
compact rush	<i>Juncus conglomeratus</i>	Exotic	SNA	G5?
Gerard's rush	<i>Juncus gerardii</i>	Exotic	SNA	G5
grass-leaf rush	<i>Juncus marginatus</i>	Exotic	SNA	G5
brown-fruit rush	<i>Juncus pelocarpus</i>	Exotic	SNA	G5
field wood-rush	<i>Luzula campestris</i>	Exotic	SNA	G5

montbretia	<i>Crocsmia x crocosmiiflora</i>	Exotic	SNA	GNA	
western blue iris	<i>Iris missouriensis</i>	Exotic	SNA	G5	T
yellow iris	<i>Iris pseudacorus</i>	Exotic	SNA	GNR	
Siberian iris	<i>Iris sibirica</i>	Exotic	SNA	GNR	
field garlic	<i>Allium vineale</i> ssp. <i>vineale</i>	Exotic	SNA	GNRTNR	
garden asparagus	<i>Asparagus officinalis</i>	Exotic	SNA	G5?	
Spanish bluebells	<i>Hyacinthoides hispanica</i>	Exotic	SNA	GNR	
poet's narcissus	<i>Narcissus poeticus</i>	Exotic	SNA	GNR	
	<i>Narcissus pseudo-</i>				
daffodil	<i>narcissus</i>	Exotic	SNA	GNR	
star-of-Bethlehem	<i>Ornithogalum umbellatum</i>	Exotic	SNA	G2?	
curled pondweed	<i>Potamogeton crispus</i>	Exotic	SNA	G5	
Japanese eel-grass	<i>Zostera japonica</i>	Exotic	SNA	GNR	
helleborine	<i>Epipactis helleborine</i>	Exotic	SNA	GNR	
lesser cattail	<i>Typha angustifolia</i>	Exotic	SNA	G5	

*The relevant collection in BC was re-identified as *P. secunda* ssp. *secunda*

**Could find no records for BC

Appendix 3 Dicotyledonous Plants - provincial responsibility

English Name	Scientific Name	Subspecies or variety	CDC	STATUS			RESPONSIBILITY			Global Range
				S Rank	G Rank	COSEWIC	Species	Subspecies or variety	Disjunct	
SALICALES										
Salicaceae										
balsam poplar	<i>Populus balsamifera</i>	<i>ssp. balsamifera</i>	Y	S5	G5T5			2		L
black cottonwood	<i>Populus balsamifera</i>	<i>ssp. trichocarpa</i>	Y	S5	G5T5			3		L
trembling aspen	<i>Populus tremuloides</i>		Y	S5	G5		2			L
Alaska willow	<i>Salix alaxensis</i>	<i>var. alaxensis</i>	Y	S3S4	G5T4T5			2		S
Alaska willow	<i>Salix alaxensis</i>	<i>var. longistylis</i>	Y	S3S4	G5T3T5			1		S
peach-leaf willow	<i>Salix amygdaloides</i>		R	S2	G5		1			L
northern bush willow	<i>Salix arbusculoides</i>		Y	S5	G5		3			S
arctic willow	<i>Salix arctica</i>		Y	S5	GNR		2			M
Athabasca willow	<i>Salix athabascensis</i>		Y	S3S4	G4G5		1			S
Barclay's willow	<i>Salix barclayi</i>		Y	S5	G5		3			M
Barratt's willow	<i>Salix barrattiana</i>		Y	S5	G5		3			S
Bebb's willow	<i>Salix bebbiana</i>		Y	S5	G5		2			L
Booth's willow	<i>Salix boothii</i>		B	S2S3	G5		1			M
short-fruited willow	<i>Salix brachycarpa</i>		Y	S5	G5		3			M
sage willow	<i>Salix candida</i>		Y	S5	G5		1			L
Cascade willow	<i>Salix cascadiensis</i>		Y	S3S4	G4G5		1			S
under-green willow	<i>Salix commutata</i>		Y	S4	G5		3			S
pussy willow	<i>Salix discolor</i>		Y	S5	G5		2			L
Drummond's willow	<i>Salix drummondiana</i>		Y	S5	G4G5		2			M
narrow-leaf willow	<i>Salix exigua</i>	<i>ssp. exigua</i>	Y	S5	G5T5			1		
narrow-leaf willow	<i>Salix exigua</i>	<i>ssp. interior</i>	Y	S5	G5TNR			1		L
Farr's willow	<i>Salix farriae</i>		Y	S3S4	G4		1			S
Geyer's willow	<i>Salix geyeriana</i>		Y	S3S4	G5		1			M
grey-leaved willow	<i>Salix glauca</i>	<i>var. acutifolia</i>	Y	S4	G5T3T5			2		L
grey-leaved willow	<i>Salix glauca</i>	<i>var. villosa</i>	Y	S5	G5T5?			2		M
Hooker's willow	<i>Salix hookeriana</i>		Y	S5	G5		4			S
Lemmon's willow	<i>Salix lemmonii</i>		R	S1	G5		1			S
whiplash willow	<i>Salix lucida</i>	<i>ssp. caudata</i>	Y	S5	G5T5			1		M
Pacific willow	<i>Salix lucida</i>	<i>ssp. lasiandra</i>	Y	S5	G5T5			2		M
MacCalla's willow	<i>Salix maccalliana</i>		Y	S5	G5?		1			M
dusky willow	<i>Salix melanopsis</i>		Y	S3S4	G5		3			S
bilberry willow	<i>Salix myrtilifolia</i>		Y	S5	G5		2			L
barren-ground willow	<i>Salix niphoclada</i>		Y	S4	G3G5		1			S
dwarf snow willow	<i>Salix nivalis</i>		Y	S5	G5		4			M
bog willow	<i>Salix pedicellaris</i>		Y	S4	G5		2			L
meadow willow	<i>Salix petiolaris</i>		B	S2S3	G5		1			L
Rocky Mountain willow	<i>Salix petrophila</i>		Y	S5	GNR		1			M

polar willow	<i>Salix polaris</i>		Y	S5	G4G5	2		L
Mackenzie willow	<i>Salix prolixa</i>		Y	S5	G5	3		S
serviceberry willow	<i>Salix pseudomonticola</i>		Y	S3S4	G4G5	2		M
tall blueberry willow	<i>Salix pseudomyrsinites</i>		Y	S3S4	G5	3		S
diamond-leaved willow	<i>Salix pulchra</i>		Y	S3S4	GNR	1		L
balsam willow	<i>Salix pyrifolia</i>		Y	S3S4	G5	1		L
Raup's willow	<i>Salix raupii</i>		R	S1	G2	3		S
net-veined willow	<i>Salix reticulata</i>	<i>ssp. glabellcarpa</i>	R	S2	G5T2		5	S
net-veined willow	<i>Salix reticulata</i>	<i>ssp. reticulata</i>	Y	S5	G5T5		2	L
Richardson's willow	<i>Salix richardsonii</i>		Y	S4	G3G4	1		S
Scouler's willow	<i>Salix scouleriana</i>		Y	S5	G5	3		L
autumn willow	<i>Salix serissima</i>		B	S2S3	G4	1		M
soft-leaved willow	<i>Salix sessilifolia</i>		B	S2S3	G4	3		S
Setchell's willow	<i>Salix setchelliana</i>		B	S3	G4	1		S
Sitka willow	<i>Salix sitchensis</i>		Y	S5	G5	5		S
creeping willow	<i>Salix stolonifera</i>		Y	S4	G4G5	3		S
Tweedy's willow	<i>Salix tweedyi</i>		B	S2S3	G4	1		S
rock willow	<i>Salix vestita</i>		Y	S5	G5	1		M
MYRICALES								
Myricaceae								
California wax-myrtle	<i>Myrica californica</i>		B	S3	G5	1		S
sweet gale	<i>Myrica gale</i>		Y	S5	G5	2		L
FAGALES								
Betulaceae								
mountain alder	<i>Alnus incana</i>	<i>ssp. tenuifolia</i>	Y	S5	G5T5		3	M
red alder	<i>Alnus rubra</i>		Y	S5	G5	3		S
green alder	<i>Alnus viridis</i>	<i>ssp. crispa</i>	Y	S4	G5T5		1	L
Sitka alder	<i>Alnus viridis</i>	<i>ssp. sinuata</i>	Y	S5	G5T5		3	L
scrub birch	<i>Betula nana</i>		Y	S5	G5	2		L
Alaska paper birch	<i>Betula neoalaskana</i>		Y	S4	G4G5	1		S
water birch	<i>Betula occidentalis</i>		Y	S4	G4G5	2		L
paper birch	<i>Betula papyrifera</i>	<i>var. commutata</i>	Y	S4	G5T5		3	M
paper birch	<i>Betula papyrifera</i>	<i>var. papyrifera</i>	Y	S5	G5T5	2		L
low birch	<i>Betula pumila</i>	<i>var. glandulifera</i>	Y	S4	G5T5	2		L
beaked hazelnut	<i>Corylus cornuta</i>	<i>var. californica</i>	Y	S4	G5T5?		1	S
beaked hazelnut	<i>Corylus cornuta</i>	<i>var. cornuta</i>	Y	S5	G5T5		1	L
Fagaceae								
Garry oak	<i>Quercus garryana</i>		Y	S5	G5	1		S
URTICALES								
Urticaceae								
Pennsylvania pellitory	<i>Parietaria pennsylvanica</i>		Y	S3S4	G5	1		L
stinging nettle	<i>Urtica dioica</i>	<i>ssp. gracilis</i>	Y	S5	G5T5	2		L

SANTALALES							
Santalaceae							
California comandra	<i>Comandra umbellata</i>	<i>var. californica</i>	Y	S3S4	G5T3T5	1	S
pale comandra	<i>Comandra umbellata</i>	<i>var. pallida</i>	Y	S3S4	G5T5	1	L
bastard toad-flax	<i>Comandra umbellata</i>	<i>var. umbellata</i>	Y	S3S4	G5T5	1	L
false toad-flax	<i>Geocaulon lividum</i>		Y	S5	G5	2	L
Viscaceae							
American dwarf	<i>Arceuthobium americanum</i>		Y	S3S4	G5	4	M
western dwarf	<i>Arceuthobium</i>						
mistletoe	<i>campylopodium</i>		Y	S5	G5	2	S
Douglas' dwarf	<i>Arceuthobium douglasii</i>		Y	S3S4	G5	1	M
ARISTOLOCHIALES							
Aristolochiaceae							
wild ginger	<i>Asarum caudatum</i>		Y	S4	G5	4	S
POLYGONALES							
Polygonaceae							
androsace buckwheat	<i>Eriogonum androsaceum</i>		R	S1S3	G4G5	1	S
yellow buckwheat	<i>Eriogonum flavum</i>	<i>var. piperi</i>	Y	S3S4	G5T4	1	S
parsnip-flowered buckwheat	<i>Eriogonum heracleoides</i>	<i>var. angustifolium</i>	Y	S5	G5T4T5	1	S
snow buckwheat	<i>Eriogonum niveum</i>		Y	S4	G5	1	S
cushion buckwheat	<i>Eriogonum ovalifolium</i>	<i>var. nivale</i>	Y	S4	G5T4?	1	S
few-flowered buckwheat	<i>Eriogonum pauciflorum</i>	<i>var. pauciflorum</i>	R	SH	G5T5	1	S
alpine buckwheat	<i>Eriogonum pyrolifolium</i>	<i>var. coryphaeum</i>	R	S1S3	G4T4?	1	S
strict buckwheat	<i>Eriogonum strictum</i>	<i>var. proliferum</i>	R	S1	G5TNR	1	S
sulphur buckwheat	<i>Eriogonum umbellatum</i>	<i>var. subalpinum</i>	Y	S4	G5T5	1	S
sulphur buckwheat	<i>Eriogonum umbellatum</i>	<i>var. umbellatum</i>	Y	S4	G5T4T5	1	S
Iceland koenigia	<i>Koenigia islandica</i>		B	S2S3	G4	1	M
mountain sorrel	<i>Oxyria digyna</i>		Y	S5	G5	2	L
Blake's knotweed	<i>Polygonum achoreum</i>		Y	S3S4	G5	1	L
water smartweed	<i>Polygonum amphibium</i>	<i>var. emersum</i>	Y	S3S4	G5T5	2	L
water smartweed	<i>Polygonum amphibium</i>	<i>var. stipulaceum</i>	Y	S5	G5T5	2	L
meadow bistort	<i>Polygonum bistorta</i>	<i>ssp. plumosum</i>	B	S2S3	G5T5	1	S
American bistort	<i>Polygonum bistortoides</i>		Y	S3S4	G5	1	M
Austin's knotweed	<i>Polygonum douglasii</i>	<i>ssp. austiniae</i>	B	S2S3	G5T4	1	S
Douglas' knotweed	<i>Polygonum douglasii</i>	<i>ssp. douglasii</i>	Y	S4	G5T5	1	L
Engelmann's	<i>Polygonum douglasii</i>	<i>ssp. engelmannii</i>	B	S2S3	G5T3T5	1	S
Sawatch knotweed	<i>Polygonum douglasii</i>	<i>ssp. johnstonii</i>	R	S1	G5T4T5	1	M
wiry knotweed	<i>Polygonum douglasii</i>	<i>ssp. majus</i>	Y	S3S4	G5T3T5	1	S
Nuttall's knotweed	<i>Polygonum douglasii</i>	<i>ssp. nuttallii</i>	Y	S3S4	G5TNR	4	S
spurry knotweed	<i>Polygonum douglasii</i>	<i>ssp. spergulariiforme</i>	Y	S5	G5T4?	1	S
Fowler's knotweed	<i>Polygonum fowleri</i>		Y	S3S4	G5	1	M
water-pepper	<i>Polygonum hydropiperoides</i>		B	S2S3	G5	1	L
willow weed	<i>Polygonum lapathifolium</i>		Y	S5	G5	2	L
leafy dwarf knotweed	<i>Polygonum minimum</i>		Y	S3S4	G5	1	M

black knotweed close-flowered knotweed	<i>Polygonum paronychia</i>		B	S3	G5	1		S	
Kellogg's knotweed	<i>Polygonum polygaloides</i>	ssp. <i>confertiflorum</i>	R	S1	G4G5T3T4		1	M	
dotted smartweed	<i>Polygonum polygaloides</i>	ssp. <i>kelloggii</i>	B	S2S3	G4G5T3T5		1	M	
bushy knotweed	<i>Polygonum punctatum</i>		B	S2S3	G5	1		L	
alpine bistort	<i>Polygonum ramosissimum</i>	var. <i>ramosissimum</i>	R	S1	G5T5		1	L	
green sorrel	<i>Polygonum viviparum</i>		Y	S4	G5	2		L	
western dock	<i>Rumex acetosa</i>	ssp. <i>alpestris</i>	Y	S5	G5T5		1	L	
arctic dock	<i>Rumex aquaticus</i>	var. <i>fenestratus</i>	Y	S4	G5T5		1	L	
golden dock	<i>Rumex arcticus</i>		B	S3	G5	1		L	
alpine sorrel	<i>Rumex maritimus</i>		Y	S4	G5	1		L	
willow dock	<i>Rumex paucifolius</i>		B	S2S3	G5	1		M	
willow dock	<i>Rumex salicifolius</i>	var. <i>mexicanus</i>	Y	S3S4	G5T5		1	L	
willow dock	<i>Rumex salicifolius</i>	var. <i>salicifolius</i>	Y	S3S4	GNR		1	S	
CARYOPHYLLALES									
Amaranthaceae									
tumbleweed	<i>Amaranthus albus</i>		Y	S3S4	GNR	1		L	
Powell's amaranth	<i>Amaranthus powellii</i>		Y	S3S4	G5	1		L	
Cactaceae									
brittle prickly-pear cactus	<i>Opuntia fragilis</i>		Y	S5	G4G5	1		L	
plains prickly-pear cactus	<i>Opuntia polyacantha</i>		Y	S4	G5	3		S	
Caryophyllaceae									
thread-leaved sandwort	<i>Arenaria capillaris</i>	ssp. <i>americana</i>	Y	S5	G5T5		3	M	
low sandwort	<i>Arenaria longipedunculata</i>		B	S2S3	G3Q	1		S	
field chickweed	<i>Cerastium arvense</i>		Y	S4	G5	2		L	
Bering chickweed	<i>Cerastium beeringianum</i>	ssp. <i>beeringianum</i>	Y	S5	G5T5		2	L	
Bering chickweed	<i>Cerastium beeringianum</i>	ssp. <i>earlei</i>	Y	S5	G5T5		1	M	
Fischer's chickweed	<i>Cerastium fischerianum</i>		B	S2S3	G4	1		L	
nodding chickweed	<i>Cerastium nutans</i>		Y	S3S4	G5	1		L	
seabeach sandwort	<i>Honckenya peploides</i>	ssp. <i>major</i>	Y	S5	G5T5?		1	L	
Rocky Mountain sandwort	<i>Minuartia austromontana</i>		B	S2S3	G4	1		S	
mountain sandwort	<i>Minuartia biflora</i>		Y	S3S4	G5	1		L	
bog sandwort	<i>Minuartia dawsonensis</i>		Y	S4	G5	1		L	
northern sandwort	<i>Minuartia elegans</i>		B	S2S3	G4G5	1		L	
large-fruited sandwort	<i>Minuartia macrocarpa</i>		B	S2S3	G4	1		L	
Nuttall's sandwort	<i>Minuartia nuttallii</i>	ssp. <i>nuttallii</i>	B	S2S3	G5T4T5		1	S	
alpine sandwort	<i>Minuartia obtusiloba</i>		Y	S5	G5	2		M	
dwarf sandwort	<i>Minuartia pusilla</i>		R	S1	G5	1	E	S	
boreal sandwort	<i>Minuartia rubella</i>		Y	S5	G5	2		L	
rock sandwort	<i>Minuartia stricta</i>		B	S2S3	G5	1		L	
slender sandwort	<i>Minuartia tenella</i>		Y	S5	G4G5	4		S	
Yukon sandwort	<i>Minuartia yukonensis</i>		B	S2S3	G4?	1		S	

blunt-leaved									
sandwort	<i>Moehringia lateriflora</i>		Y	S4	G5		2	L	
big-leaved sandwort	<i>Moehringia macrophylla</i>		Y	S5	G4		1	L	
western pearlwort	<i>Sagina decumbens</i>	ssp. <i>occidentalis</i>	B	S3	G5TNR		1	S	
coastal pearlwort	<i>Sagina maxima</i>	ssp. <i>crassicaulis</i>	Y	S5	G4T4		3	L	
coastal pearlwort	<i>Sagina maxima</i>	ssp. <i>maxima</i>	Y	S5	G4T4		1	S	
snow pearlwort	<i>Sagina nivalis</i>		B	S2S3	G5		1	S	
bird's-eye pearlwort	<i>Sagina procumbens</i>		Y	SU	G5		1	L	
arctic pearlwort	<i>Sagina saginoides</i>		Y	S5	G5		1	L	
moss campion	<i>Silene acaulis</i>	var. <i>acaulis</i>	Y	S5	G5TUQ		2	L	
moss campion	<i>Silene acaulis</i>	var. <i>subacaulescens</i>	Y	S5	G5T5?		3	M	
sleepy catchfly	<i>Silene antirrhina</i>		Y	S4	G5		1	L	
Douglas' campion	<i>Silene douglasii</i>	var. <i>douglasii</i>	Y	S4	G4T4		1	S	
Drummond's campion	<i>Silene drummondii</i>	var. <i>drummondii</i>	B	S3	G5T5		1	M	
arctic campion	<i>Silene involucrata</i>	ssp. <i>involucrata</i>	B	S2S3	G5T5		1	S	
Menzies' campion	<i>Silene menziesii</i>	var. <i>menziesii</i>	Y	S5	G5T5		2	M	
Menzies' campion	<i>Silene menziesii</i>	var. <i>viscosa</i>	Y	S5	G5T5		2	M	
Parry's campion	<i>Silene parryi</i>		Y	S5	G5		3	S	
pink campion	<i>Silene repens</i>		B	S2S3	G5		1	L	
Scouler's catchfly	<i>Silene scouleri</i>	ssp. <i>grandis</i>	R	S1	G5TNR	E	1	S	
Scouler's campion	<i>Silene scouleri</i>	ssp. <i>scouleri</i>	Y	S3S4	G5T3T5		1	S	
Spalding's campion	<i>Silene spaldingii</i>		R	S1	G2	E	1	S	
Taimyr campion	<i>Silene taimyrensis</i>		B	S2S3	G4?		1	L	
nodding campion	<i>Silene uralensis</i>	ssp. <i>attenuata</i>	Y	S3S4	G4T4?		1	L	
Canadian sand-spurry	<i>Spergularia canadensis</i>	var. <i>canadensis</i>	Y	S5	G5T5		1	3	
Canadian sand-spurry	<i>Spergularia canadensis</i>	var. <i>occidentalis</i>	Y	S5	G5T4?			S	
beach sand-spurry	<i>Spergularia macrotheca</i>	var. <i>macrotheca</i>	B	S2S3	G5T3T5		1	S	
boreal starwort	<i>Stellaria borealis</i>	ssp. <i>borealis</i>	Y	S5	G5T5		2	L	
boreal starwort	<i>Stellaria borealis</i>	ssp. <i>sitchana</i>	Y	S5	G5T5		3	S	
northern starwort	<i>Stellaria calycantha</i>		Y	S3S4	G5		2	M	
thick-leaved starwort	<i>Stellaria crassifolia</i>		Y	S3S4	G5		1	L	
crisp starwort	<i>Stellaria crispa</i>		Y	S5	G5		4	S	
salt marsh starwort	<i>Stellaria humifusa</i>		Y	S3S4	G5?		1	L	
long-leaved starwort	<i>Stellaria longifolia</i>		Y	S4	G5		1	L	
long-stalked starwort	<i>Stellaria longipes</i>	var. <i>longipes</i>	Y	S5	G5T5		2	L	
long-stalked starwort	<i>Stellaria longipes</i>	var. <i>monantha</i>	Y	S5	GNR		2	L	
shining starwort	<i>Stellaria nitens</i>		Y	S4	G5		1	L	
blunt-sepaled									
starwort	<i>Stellaria obtusa</i>		B	S2S3	G5		1	S	
umbellate starwort	<i>Stellaria umbellata</i>		B	S2S3	G5		1	L	
Chenopodiaceae									
Alaskan orache	<i>Atriplex alaskensis</i>		R	SH	G3G4Q		1	S	
silvery orache	<i>Atriplex argentea</i>	ssp. <i>argentea</i>	R	S1	G5T5		1	M	

Gmelin's orache	<i>Atriplex gmelinii</i>		Y	S3S4	G5		3		S
Nuttall's orache	<i>Atriplex nuttallii</i>		R	S1	G5		1		S
saline orache	<i>Atriplex subspicata</i>		Y	S4	G5		2		
wedgescale orache	<i>Atriplex truncata</i>		R	S1	G5		1		L
dark lamb's-quarters	<i>Chenopodium atrovirens</i>		R	S1	G5		1		L
strawberry-blite	<i>Chenopodium capitatum</i>		Y	S5	G5				L
narrow-leaved									
goosefoot	<i>Chenopodium desiccatum</i>		Y	S3S4	G5		3		L
Fremont's goosefoot	<i>Chenopodium fremontii</i>	<i>var. fremontii</i>	Y	S4	G5T5		1		L
red goosefoot	<i>Chenopodium rubrum</i>	<i>var. humile</i>	Y	S4	G5			1	L
red goosefoot	<i>Chenopodium rubrum</i>	<i>var. rubrum</i>	Y	S4	G5T5			1	L
maritime glasswort	<i>Salicornia maritima</i>		Y	S3S4	G5		1		L
red glasswort	<i>Salicornia rubra</i>		Y	S3S4	G5		1		L
American glasswort	<i>Salicornia virginica</i>		Y	S5	G5		1		L
seablite	<i>Suaeda calceoliformis</i>		Y	S4	G5		1		L
	Nyctaginaceae								
yellow sand-verbena	<i>Abronia latifolia</i>		B	S3	G5		3		S
pink sand-verbena	<i>Abronia umbellata</i>	<i>ssp. breviflora</i>	R	S1	G4G5T2	E		1	S
	Portulacaceae								
desert rock purslane	<i>Calandrinia ciliata</i>	<i>var. menziesii</i>	Y	S4	G4T3?Q			1	S
Mount Hood									
pussypaws	<i>Calyptidium umbellatum</i>	<i>var. caudiciferum</i>	B	S2S3	G4G5T4T5		1		S
heart-leaved									
springbeauty	<i>Claytonia cordifolia</i>		Y	S4	G5		1		S
pale springbeauty	<i>Claytonia exigua</i>	<i>ssp. exigua</i>	Y	S3S4	G5T5			1	S
western springbeauty	<i>Claytonia lanceolata</i>		Y	S5	G5		1		M
alpine springbeauty	<i>Claytonia megarhiza</i>	<i>var. megarhiza</i>	B	S2S3	G4G5T4?			1	L
streambank									
springbeauty	<i>Claytonia parviflora</i>	<i>ssp. parviflora</i>	Y	S3S4	G5TNR			1	S
miner's-lettuce	<i>Claytonia perfoliata</i>		Y	S4	G5		1		L
redstem springbeauty	<i>Claytonia rubra</i>	<i>ssp. depressa</i>	Y	S3S4	G5T5?			1	S
redstem springbeauty	<i>Claytonia rubra</i>	<i>ssp. rubra</i>	Y	S4	G5T5			1	M
Alaska springbeauty	<i>Claytonia sarmentosa</i>		Y	S3S4	G5		1		L
Siberian miner's-lettuce	<i>Claytonia sibirica</i>		Y	S5	G5		1		S
tuberous									
springbeauty	<i>Claytonia tuberosa</i>		B	S2S3	G4		1		L
Washington									
springbeauty	<i>Claytonia washingtoniana</i>		R	S2	G2G4		1		S
Columbia lewisia	<i>Lewisia columbiana</i>	<i>var. columbiana</i>	B	S2S3	G4T4			1	S
alpine lewisia	<i>Lewisia pygmaea</i>	<i>var. pygmaea</i>	Y	S3S4	G5T5			1	S
bitterroot	<i>Lewisia rediviva</i>		Y	S4	G5		1		M
three-leaved lewisia	<i>Lewisia triphylla</i>		B	S2S3	G4?		1		S
Tweedy's lewisia	<i>Lewisia tweedyi</i>		R	S1	G3		3		S

Bostock's montia	<i>Montia bostockii</i>		B	S2S3	G3		1		S
Chamisso's montia	<i>Montia chamissoi</i>		B	S2S3	G5		1		M
dwarf montia	<i>Montia dichotoma</i>		Y	S3S4	G5		1		S
branching montia	<i>Montia diffusa</i>		R	S1	G4		1		S
blinks	<i>Montia fontana</i>		Y	S3S4	G5		1		L
Howell's montia	<i>Montia howellii</i>		Y	S3S4	G3G4		3		S
narrow-leaved montia	<i>Montia linearis</i>		Y	S4	G5		1		M
small-leaved montia	<i>Montia parvifolia</i>	<i>var. flagellaris</i>	Y	S3S4	G4G5TNR			1	S
small-leaved montia	<i>Montia parvifolia</i>	<i>var. parvifolia</i>	Y	S4	G4G5T4T5			3	S
Okanogan									
fameflower	<i>Talinum sediforme</i>		B	S2S3	G3	NAR	5		S
NYMFAEALES									
Ceratophyllaceae									
common hornwort	<i>Ceratophyllum demersum</i>		Y	S5	G5		2		L
spring hornwort	<i>Ceratophyllum echinatum</i>		B	S3	G4?		1		L
Cabombaceae									
water shield	<i>Brasenia schreberi</i>		Y	S5	G5		1		L
Nymphaeaceae									
yellow pond-lily	<i>Nuphar lutea</i>	<i>ssp. polysepala</i>	Y	S5	G5T5			3?	M
yellow pond-lily	<i>Nuphar lutea</i>	<i>ssp. variegata</i>	Y	S3S4	G5T5			2	L
small white waterlily	<i>Nymphaea leibergii</i>		B	S2S3	G5		1		M
pygmy waterlily	<i>Nymphaea tetragona</i>		B	S2S3	G5		1		S
RANUNCULALES									
Berberidaceae									
vanilla-leaf	<i>Achlys triphylla</i>		Y	S4	G5		1		S
tall Oregon-grape	<i>Mahonia aquifolium</i>		Y	S5	G5		4		M
dull Oregon-grape	<i>Mahonia nervosa</i>		Y	S5	G5		3		S
creeping Oregon-grape	<i>Mahonia repens</i>		Y	S5	G5		1		L
Ranunculaceae									
Columbian									
monkshood	<i>Aconitum columbianum</i>	<i>ssp. columbianum</i>	Y	S5	G5T5			1	M
mountain monkshood	<i>Aconitum delphinifolium</i>		Y	S4	G4G5		2		L
baneberry	<i>Actaea rubra</i>		Y	S4	G5		2		L
Canada anemone	<i>Anemone canadensis</i>		B	S2S3	G5		1		L
long-headed									
anemone	<i>Anemone cylindrica</i>		Y	S3S4	G5		1		L
alpine anemone	<i>Anemone drummondii</i>	<i>var. drummondii</i>	B	S2S3	G4T4			3	S
alpine anemone	<i>Anemone drummondii</i>	<i>var. lithophila</i>	Y	S5	G4			3	S
Lyall's anemone	<i>Anemone lyallii</i>		Y	S3S4	G4		4		S
cut-leaved anemone	<i>Anemone multifida</i>	<i>var. multifida</i>	Y	S5	G5T5			3	L
cut-leaved anemone	<i>Anemone multifida</i>	<i>var. saxicola</i>	Y	S5	G5T5			3	M
narcissus anemone	<i>Anemone narcissiflora</i>	<i>var. monantha</i>	Y	S5	G5T5?		1		S
western pasqueflower	<i>Anemone occidentalis</i>		Y	S5	G5		4		S

northern anemone	<i>Anemone parviflora</i>		Y	S4	G5		2		L
prairie crocus	<i>Anemone patens</i>	<i>ssp. multifida</i>	Y	S5	G5T4			1	L
Piper's anemone	<i>Anemone piperi</i>		R	S1	G4		1		S
yellow anemone	<i>Anemone richardsonii</i>		Y	S5	G5		2		L
riverbank anemone	<i>Anemone virginiana</i>	<i>var. cylindroidea</i>	R	S1	G5T4T5			1	S
blue columbine	<i>Aquilegia brevistyla</i>		Y	S4	G5		2		M
yellow columbine	<i>Aquilegia flavescens</i>		Y	S5	G5		3		S
Sitka columbine	<i>Aquilegia formosa</i>	<i>ssp. formosa</i>	Y	S5	GNRT5		4		S
white mountain marsh-marigold	<i>Caltha leptosepala</i>	<i>var. biflora</i>	Y	S5	G5T5			4	S
white mountain marsh-marigold	<i>Caltha leptosepala</i>	<i>var. leptosepala</i>	Y	S4	G5T5			4	M
floating marsh- marigold	<i>Caltha natans</i>		Y	S4	G5		1		L
yellow marsh- marigold	<i>Caltha palustris</i>	<i>var. palustris</i>	B	S2S3	G5T5			3	L
tall bugbane	<i>Cimicifuga elata</i>		R	S1	G3	E	3		S
white clematis	<i>Clematis ligusticifolia</i>	<i>var. ligusticifolia</i>	Y	S4	G5T5?			1	L
Columbia bower spleenwort-leaved	<i>Clematis occidentalis</i>	<i>ssp. grosseserrata</i>	Y	S4	G5T4T5			3	S
goldthread three-leaved	<i>Coptis aspleniifolia</i>		Y	S5	G5		4		S
goldthread	<i>Coptis trifolia</i>		Y	S4	G5		1		L
Montana larkspur	<i>Delphinium bicolor</i>	<i>ssp. bicolor</i>	B	S2S3	G4G5T4T5			1	S
meadow larkspur	<i>Delphinium distichum</i>		Y	S3S4	G4		1		S
rockslide larkspur	<i>Delphinium glareosum</i>		R	S1	G3G4		1		S
tall larkspur	<i>Delphinium glaucum</i>		Y	S5	G5		2		M
Menzies' larkspur	<i>Delphinium menziesii</i>	<i>ssp. menziesii</i>	Y	S5	G4G5T4T5			3	S
upland larkspur	<i>Delphinium nuttallianum</i>		Y	S5	G5		1		M
Sutherland's larkspur	<i>Delphinium sutherlandii</i>		B	S2S3	GNR		3		S
Queen Charlotte false rue-anemone	<i>Enemion savilei</i>		Y	S3S4	G3G4		7		S
bristly mousetail	<i>Myosurus apetalus</i>	<i>var. borealis</i>	R	S2	G5T3T5			1	M
tiny mousetail	<i>Myosurus minimus</i>		Y	S3S4	G5		1		L
kidney-leaved buttercup	<i>Ranunculus abortivus</i>		Y	S4	G5		2		L
water-plantain buttercup	<i>Ranunculus alismifolius</i>	<i>var. alismifolius</i>	R	S1	G5T5	E		1	S
white water-buttercup	<i>Ranunculus aquatilis</i>	<i>var. diffusus</i>	Y	S5	G5T5			2	L
California buttercup	<i>Ranunculus californicus</i>		R	S1	G5		1		S
heart-leaved buttercup	<i>Ranunculus cardiophyllus</i>		R	S1	G4G5		1		M
Cooley's buttercup	<i>Ranunculus cooleyae</i>		Y	S5	G4		5		S
shore buttercup	<i>Ranunculus cymbalaria</i>		Y	S5	G5		2		L
subalpine buttercup	<i>Ranunculus eschscholtzii</i>		Y	S5	G5		4		L

yellow water-buttercup	<i>Ranunculus flabellaris</i>		Y	S3S4	G5		1		L
lesser spearwort	<i>Ranunculus flammula</i>		Y	S5	G5		2		L
arctic buttercup	<i>Ranunculus gelidus</i>		Y	S3S4	G4		1		L
sagebrush buttercup	<i>Ranunculus glaberrimus</i>	var. <i>diffusus</i>	Y	S5	G5T5			1	?
sagebrush buttercup	<i>Ranunculus glaberrimus</i>	var. <i>glaberrimus</i>	Y	S5	G5T5			1	S
small yellow water-buttercup	<i>Ranunculus gmelinii</i>		Y	S5	G5		2		L
far-northern buttercup	<i>Ranunculus hyperboreus</i>		Y	S4	G5		1		M
unlovely buttercup	<i>Ranunculus inamoenus</i>	var. <i>inamoenus</i>	Y	S3S4	G5T5		3		M
Lapland buttercup	<i>Ranunculus lapponicus</i>		Y	S5	G5		2		L
Lobb's water-buttercup	<i>Ranunculus lobbii</i>		R	SX	G4		1	D1	S
Macoun's buttercup	<i>Ranunculus macounii</i>		Y	S5	G5		2		L
snow buttercup	<i>Ranunculus nivalis</i>		Y	S4	G5		1		S
western buttercup	<i>Ranunculus occidentalis</i>	var. <i>occidentalis</i>	Y	S5	G5T5			3	S
straight-beaked buttercup	<i>Ranunculus orthorhynchus</i>	var. <i>orthorhynchus</i>	Y	S5	G5T5			1	S
straight-beaked buttercup	<i>Ranunculus orthorhynchus</i>	var. <i>platyphyllus</i>	Y	S4	G5T5			1	S
birdfoot buttercup	<i>Ranunculus pedatifidus</i>	ssp. <i>affinis</i>	B	S2S3	G5T5			1	L
Pennsylvania buttercup	<i>Ranunculus pensylvanicus</i>		Y	S4	G5		2		L
pygmy buttercup	<i>Ranunculus pygmaeus</i>		Y	S3S4	G5		2		L
prairie buttercup	<i>Ranunculus rhomboideus</i>		R	S1	G5		1		L
celery-leaved buttercup	<i>Ranunculus sceleratus</i>	var. <i>multifidus</i>	Y	S4	G5T5			2	L
sulphur buttercup	<i>Ranunculus sulphureus</i>		B	S2S3	G5		1		L
little buttercup	<i>Ranunculus uncinatus</i>		Y	S5	G5		3		M
alpine meadowrue	<i>Thalictrum alpinum</i>		Y	S4	G5		1		M
purple meadowrue	<i>Thalictrum dasycarpum</i>		B	S2S3	G5		1		L
western meadowrue	<i>Thalictrum occidentale</i>		Y	S5	G5		4		M
few-flowered meadowrue	<i>Thalictrum sparsiflorum</i>		Y	S4	G5		1		L
veiny meadowrue	<i>Thalictrum venulosum</i>		Y	S4	G5		3		L
false bugbane	<i>Trautvetteria carolinensis</i>		Y	S5	G5		1		L
globeflower	<i>Trollius albiflorus</i>		Y	S5	G4T4		3		S
PAPAVERALES									
Fumariaceae									
golden corydalis	<i>Corydalis aurea</i>		Y	S4	G5		2		L
few-flowered corydalis	<i>Corydalis pauciflora</i>		Y	S3S4	G4G5		1		L
Scouler's corydalis	<i>Corydalis scouleri</i>		B	S3S4	G4	T	3		S
pink corydalis	<i>Corydalis sempervirens</i>		Y	S3S4	G4G5		2		L

Pacific bleeding heart	<i>Dicentra formosa</i>		Y	S5	G5		3		S
steer's head	<i>Dicentra uniflora</i>		B	S2S3	G4?		1		S
Papaveraceae									
white meconella	<i>Meconella oregana</i>		R	S1	G2G3	E	3		S
pale poppy	<i>Papaver alboroseum</i>		B	S2S3	G3G4		1		2
Macoun's poppy	<i>Papaver lapponicum</i>		Y	S3S4	G5		1		L
dwarf poppy	<i>Papaver pygmaeum</i>		R	S2	G3		1		S
arctic poppy	<i>Papaver radicum</i>	<i>ssp. kluanensis</i>	Y	S3S4	G5T3T4			1	L
CAPPARALES									
Brassicaceae									
Eschscholtz's little	<i>Aphragmus</i>								
nightmare	<i>eschscholtzianus</i>		B	S2S3	G3		1		S
saltwater cress	<i>Arabidopsis salsuginea</i>		R	S1	G4G5		1		L
Drummond's									
rockcress	<i>Arabis drummondii</i>		Y	S4	G5		2		L
Eschscholtz's									
rockcress	<i>Arabis eschscholtziana</i>		Y	S4	G5T4T5		3		S
slender rockcress	<i>Arabis exilis</i>		Y	S5	G5T5?				
tower mustard	<i>Arabis glabra</i>	<i>var. glabra</i>	Y	S5	G5T5		2		L
hairy rockcress	<i>Arabis hirsuta</i>	<i>var. hirsuta</i>	R	S1	G5T5		1		L
hairy rockcress	<i>Arabis hirsuta</i>	<i>var. pycnocarpa</i>	Y	S5	G5T5		3		L
Holboell's rockcress	<i>Arabis holboellii</i>	<i>var. consanguinea</i>	Y	S3S4	G5TNR		1		L
Holboell's rockcress	<i>Arabis holboellii</i>	<i>var. pinetorum</i>	B	S2S3	G5T5?		1		L
Holboell's rockcress	<i>Arabis holboellii</i>	<i>var. retrofracta</i>	Y	S5	G5T5		1		L
Holboell's rockcress	<i>Arabis holboellii</i>	<i>var. secunda</i>	Y	S3S4	G5T5		1		S
Kamchatka rockcress	<i>Arabis kamchatica</i>		Y	S4	G5T5?		2		L
Lemmon's rockcress	<i>Arabis lemmonii</i>	<i>var. drepanoloba</i>	B	S2S3	G5T4?		1		S
Lemmon's rockcress	<i>Arabis lemmonii</i>	<i>var. lemmonii</i>	Y	S3S4	G5T5		1		M
woody-branched									
rockcress	<i>Arabis lignifera</i>		B	S2S3	G5		1		S
Lyall's rockcress	<i>Arabis lyallii</i>	<i>var. lyallii</i>	Y	S4	G5T5		1	1	M
littleleaf rockcress	<i>Arabis microphylla</i>		Y	S3S4	G5		1		S
Nuttall's rockcress	<i>Arabis nuttallii</i>		Y	S3S4	G5		1		S
sickle-pod rockcress	<i>Arabis sparsiflora</i>		R	S1	G5		1		M
spreading-pod									
rockcress	<i>Arabis x divaricarpa</i>		Y	S4	GNA		2		L
common sandweed	<i>Athysanus pusillus</i>		Y	S3S4	G4		1		S
American winter									
cress	<i>Barbarea orthoceras</i>		Y	S5	G5		2		L
dwarf braya	<i>Braya humilis</i>		Y	S3S4	G5		1		M
purple braya	<i>Braya purpurascens</i>		B	S2S3	G4G5Q		1		S
American searocket	<i>Cakile edentula</i>		Y	S5	G5		1		L
angled bitter-cress	<i>Cardamine angulata</i>		B	S2S3	G5		3		S
alpine bitter-cress	<i>Cardamine bellidifolia</i>	<i>var. bellidifolia</i>	Y	S4	G5T5			2	S

Brewer's bitter-cress	<i>Cardamine breweri</i>	<i>var. breweri</i>	Y	S3S4	G5T5		1	S
Brewer's bitter-cress	<i>Cardamine breweri</i>	<i>var. orbicularis</i>	Y	S3S4	G5T3T4		1	S
heart-leaved bitter-cress	<i>Cardamine cordifolia</i>	<i>var. lyallii</i>	Y	S3S4	G5		1	S
slender toothwort	<i>Cardamine nuttallii</i>	<i>var. nuttallii</i>	Y	S5	G5T4T5		1	S
western bitter-cress	<i>Cardamine occidentalis</i>		Y	S3S4	G3G5	1		S
Siberian bitter-cress	<i>Cardamine oligosperma</i>	<i>var. kamtschatica</i>	Y	S4	G5T3T5		1	S
little western bitter-cress	<i>Cardamine oligosperma</i>	<i>var. oligosperma</i>	Y	S5	G5T5		2	M
small-flowered bitter-cress	<i>Cardamine parviflora</i>	<i>var. arenicola</i>	R	S1	G5T5		1	L
Pennsylvanian bitter-cress	<i>Cardamine pensylvanica</i>		Y	S4	G5	2		L
cuckoo bitter-cress	<i>Cardamine pratensis</i>	<i>var. angustifolia</i>	Y	S4	G5T5		1	S
scurvy-grass	<i>Cochlearia groenlandica</i>		Y	S4	G4?	1		M
Richardson's tansy mustard	<i>Descurainia incana</i>	<i>ssp. incana</i>	Y	S3S4	G5T5?		1	L
Richardson's tansy mustard	<i>Descurainia incana</i>	<i>ssp. incisa</i>	B	S3S4	G5T3T5		1	L
Richardson's tansy mustard	<i>Descurainia incana</i>	<i>ssp. viscosa</i>	Y	S3S4	G5T3T5		1	L
western tansy mustard	<i>Descurainia pinnata</i>	<i>ssp. filipes</i>	Y	S5	G5T5		1	M
western tansy mustard	<i>Descurainia pinnata</i>	<i>ssp. intermedia</i>	Y	S5	G5T5?		1	M
northern tansy mustard	<i>Descurainia sophioides</i>		B	S2S3	G5	1		L
slender draba	<i>Draba albertina</i>		Y	S3S4	G4	1		M
alpine draba	<i>Draba alpina</i>		B	S2S3	G4G5	1		L
golden draba	<i>Draba aurea</i>		Y	S4	G5	2		M
northern draba	<i>Draba borealis</i>		Y	S4	G4	3		S
lance-leaved draba	<i>Draba cana</i>		Y	S4	G5	2		L
gray-leaved draba	<i>Draba cinerea</i>		B	S2S3	G5	1		L
Baffin Bay draba	<i>Draba corymbosa</i>		B	S2S3	G4G5	1		S
Rocky Mountain draba	<i>Draba crassifolia</i>		Y	S3S4	G5	2		M
Nuttall's draba	<i>Draba densifolia</i>		B	S2S3	G5	1		M
Austrian draba	<i>Draba fladnizensis</i>		B	S2S3	G4	1		L
smooth draba	<i>Draba glabella</i>	<i>var. glabella</i>	B	S2S3	G4G5T4		1	L
North Pacific draba	<i>Draba hyperborea</i>		Y	S4	G4G5	3		L
Yellowstone draba	<i>Draba incerta</i>		Y	S5	G5	4		M
milky draba	<i>Draba lactea</i>		B	S2S3	G4	1		M
lance-fruited draba	<i>Draba lonchocarpa</i>	<i>var. lonchocarpa</i>	Y	S5	G5T5		3	M
lance-fruited draba	<i>Draba lonchocarpa</i>	<i>var. thompsonii</i>	B	S2S3	G5T3T4		1	S
lance-fruited draba	<i>Draba lonchocarpa</i>	<i>var. vestita</i>	B	S2S3	G5T3		5	S
long-stalked draba	<i>Draba longipes</i>		Y	S3S4	G4	3		S

Macoun's draba	<i>Draba macounii</i>		Y	S3S4	G3G4	3		S
woods draba	<i>Draba nemorosa</i>		Y	S5	G5	2		L
snow draba	<i>Draba nivalis</i>		Y	S3S4	G5	2		M
few-seeded draba	<i>Draba oligosperma</i>		Y	S3S4	G5	3		M
Palander's draba	<i>Draba palanderiana</i>		B	S2S3	G4G5	1		S
Payson's draba	<i>Draba paysonii</i>		Y	S3S4	G5	2		M
Porsild's draba	<i>Draba porsildii</i>		B	S2S3	G3G4	1		S
tall draba	<i>Draba praealta</i>		Y	S3S4	G5	2		M
Carolina draba	<i>Draba reptans</i>		R	S1	G5	1		L
coast mountain draba	<i>Draba ruaxes</i>		B	S2S3	G3	3		S
Alaska draba	<i>Draba stenoloba</i>		Y	S3S4	G5	3		S
star-flowered draba	<i>Draba stenopetala</i>		R	S1	G3G4	1		S
Wind River draba	<i>Draba ventosa</i>		B	S2S3	G3	1		S
sand-dwelling								
wallflower	<i>Erysimum arenicola</i>	<i>var. torulosum</i>	B	S2S3	G4G5T3T5		1	S
prairie rocket	<i>Erysimum asperum</i>		R	S1	G5	1		L
wormseed mustard	<i>Erysimum cheiranthoides</i>		Y	S4	G5	2		L
small wallflower	<i>Erysimum inconspicuum</i>		Y	S3S4	G5	1		L
Pallas' wallflower	<i>Erysimum pallasii</i>		B	S2S3	G4	1		L
Edwards wallflower	<i>Eutrema edwardsii</i>		B	S2S3	G4	1		L
Whited's halimolobos	<i>Halimolobos whitedii</i>		R	S2	G3?	3		S
hutchinsia	<i>Hutchinsia procumbens</i>		R	S1	G5	1		L
scalepod	<i>Idahoia scapigera</i>		R	S2	G5	1		S
Bourgeau's pepper-grass	<i>Lepidium bourgeuanum</i>		Y	S3S4	G5	1		L
prairie pepper-grass	<i>Lepidium densiflorum</i>	<i>var. densiflorum</i>	Y	S4	G5T5		1	L
prairie pepper-grass	<i>Lepidium densiflorum</i>	<i>var. elongatum</i>	Y	S4	G5T5		1	S
prairie pepper-grass	<i>Lepidium densiflorum</i>	<i>var. macrocarpum</i>	Y	S4	G5T5		1	M
prairie pepper-grass	<i>Lepidium densiflorum</i>	<i>var. pubicarpum</i>	R	S1	G5T4		1	S
tall pepper-grass	<i>Lepidium virginicum</i>		Y	S3S4	G5	1		L
arctic bladderpod	<i>Lesquerella arctica</i>	<i>var. arctica</i>	B	S2S3	G4T4		1	L
Columbia bladderpod	<i>Lesquerella douglasii</i>		Y	S3S4	G4?	4		S
northern parrya	<i>Parrya nudicaulis</i>		R	SH	G5	1		L
common twinpod	<i>Physaria didymocarpa</i>	<i>var. didymocarpa</i>	B	S2S3	G5T4		1	S
blunt-leaved yellow cress	<i>Rorippa curvipes</i>	<i>var. truncata</i>	Y	S3S4	G5		1	M
western yellow cress	<i>Rorippa curvisiliqua</i>		Y	S5	G5	1		M
marsh yellow cress	<i>Rorippa palustris</i>		Y	S5	G5	2		L
yellow cress	<i>Rorippa tenerrima</i>		Y	S3S4	G5	1		L
plains mustard	<i>Schoenocrambe linifolia</i>		Y	S3S4	G5	1		M
alpine smelowskia	<i>Smelowskia calycina</i>		Y	S3S4	G5	1		M
short-fruited smelowskia	<i>Smelowskia ovalis</i>		B	S2S3	G5	1		S
awwort	<i>Subularia aquatica</i>	<i>ssp. americana</i>	Y	S3S4	G5T5		1	L

thick-leaved								
thelypody	<i>Thelypodium laciniatum</i>	<i>var. laciniatum</i>	B	S2S3	G5T5		1	S
sand lacepod	<i>Thysanocarpus curvipes</i>		B	S3S4	G4G5	1		S
Capparaceae								
stinking-clover	<i>Cleome serrulata</i>		Y	S3S4	G5	1		L
NEPENTHALES								
Droseraceae								
great sundew	<i>Drosera anglica</i>		Y	S4	G5	2		L
slender-leaf sundew	<i>Drosera linearis</i>		R	S1	G4	0		M
round-leaved sundew	<i>Drosera rotundifolia</i>	<i>var. rotundifolia</i>	Y	S5	G5T5		2	L
Sarraceniaceae								
common pitcher-plant	<i>Sarracenia purpurea</i>	<i>ssp. gibbosa</i>	B	S2S3	G5T5		1	L
ROSALES								
Crassulaceae								
pigmyweed	<i>Crassula aquatica</i>		B	S3	G5	1		L
erect pygmyweed	<i>Crassula connata</i>	<i>var. connata</i>	R	S2	G5TNR		1	L
spreading stonecrop	<i>Sedum divergens</i>		Y	S4	G5?	5		S
roseroot	<i>Sedum integrifolium</i>	<i>ssp. integrifolium</i>	Y	S5	G5T5		2	L
lance-leaved								
stonecrop	<i>Sedum lanceolatum</i>	<i>var. lanceolatum</i>	Y	S5	G5T3T5		3	M
lance-leaved								
stonecrop	<i>Sedum lanceolatum</i>	<i>var. nesioticum</i>	Y	S3S4	G5T4?		5	S
Oregon stonecrop	<i>Sedum oregonum</i>		Y	S5	G5	4		S
broad-leaved								
stonecrop	<i>Sedum spathulifolium</i>	<i>var. pruinatum</i>	Y	S5	G4G5T4T5		1	S
broad-leaved								
stonecrop	<i>Sedum spathulifolium</i>	<i>var. spathulifolium</i>	Y	S5	G4G5T4T5		3	S
worm-leaved								
stonecrop	<i>Sedum stenopetalum</i>		Y	S4	G4G5	3		S
Grossulariaceae								
maple-leaved currant	<i>Ribes acerifolium</i>		Y	S3S4	G4	3		S
stink currant	<i>Ribes bracteosum</i>		Y	S4	G5	3		S
squaw currant	<i>Ribes cereum</i>	<i>var. cereum</i>	Y	S4	G5T5		1	M
wild black gooseberry	<i>Ribes divaricatum</i>	<i>ssp. divaricatum</i>	Y	S4	G4T4?		3	S
skunk currant	<i>Ribes glandulosum</i>		Y	S4	G5	2		L
northern blackcurrant	<i>Ribes hudsonianum</i>	<i>var. hudsonianum</i>	Y	S5	G5T5		2	M
northern blackcurrant	<i>Ribes hudsonianum</i>	<i>var. petiolare</i>	Y	S5	G5T3T5		1	S
white-stemmed								
gooseberry	<i>Ribes inerme</i>	<i>var. inerme</i>	Y	S4	G5T5		1	M
black gooseberry	<i>Ribes lacustre</i>		Y	S5	G5	3		L
trailing black currant	<i>Ribes laxiflorum</i>		Y	S5	G5	4		S
gummy gooseberry	<i>Ribes lobbii</i>		Y	S4	G4	1		S
mountain prickly								
gooseberry	<i>Ribes montigenum</i>		R	S1	G4	1		M

northern gooseberry	<i>Ribes oxycanthoides</i>	<i>ssp. cognatum</i>	R	S1	G5T4		1	S	
northern gooseberry	<i>Ribes oxycanthoides</i>	<i>ssp. irriguum</i>	Y	S3S4	G5T3T4		1	S	
northern gooseberry	<i>Ribes oxycanthoides</i>	<i>ssp. oxycanthoides</i>	Y	S4	G5T5		3	M	
red-flowering currant	<i>Ribes sanguineum</i>	<i>var. sanguineum</i>	Y	S4	G5T5		1	S	
red swamp currant	<i>Ribes triste</i>		Y	S4	G5	2		L	
sticky currant	<i>Ribes viscosissimum</i>		Y	S4	G5	1		M	
Hydrangeaceae									
mock-orange	<i>Philadelphus lewisii</i>		Y	S4	G5		1	S	
Rosaceae									
common agrimony	<i>Agrimonia gryposepala</i>		Y	S3S4	G5		1	L	
grooved agrimony	<i>Agrimonia striata</i>		Y	S3S4	G5		1	L	
saskatoon	<i>Amelanchier alnifolia</i>	<i>var. alnifolia</i>	Y	S4S5	G5T5		2	L	
saskatoon	<i>Amelanchier alnifolia</i>	<i>var. cusickii</i>	Y	S4S5	G5T4T5		1	S	
saskatoon	<i>Amelanchier alnifolia</i>	<i>var. humptulipensis</i>	Y	S4S5	G5T4T5		1	S	
saskatoon	<i>Amelanchier alnifolia</i>	<i>var. semiintegrifolia</i>	Y	S4S5	G5T4T5		1	S	
goatsbeard	<i>Aruncus dioicus</i>		Y	S5	G5	2		L	
American									
chamaerhodos	<i>Chamaerhodos erecta</i>	<i>ssp. nuttallii</i>	B	S2S3	G5T4T5		1	M	
marsh cinquefoil	<i>Comarum palustre</i>		Y	S5	G5	2		L	
red hawthorn	<i>Crataegus columbiana</i>		Y	S3S4	G5	1		L	
black hawthorn	<i>Crataegus douglasii</i>	<i>var. douglasii</i>	Y	S4	G5T4		1	M	
black hawthorn	<i>Crataegus douglasii</i>	<i>var. suksdorfii</i>	Y	S4	G4G5		1	S	
yellow mountain-avens	<i>Dryas drummondii</i>	<i>var. drummondii</i>	Y	S5	G5T5		3	M	
yellow mountain-avens	<i>Dryas drummondii</i>	<i>var. eglanulosa</i>	Y	S3S4	G5TNR		1	S	
yellow mountain-avens	<i>Dryas drummondii</i>	<i>var. tomentosa</i>	Y	S5	G5T5		2	S	
entire-leaved									
mountain-avens	<i>Dryas integrifolia</i>	<i>ssp. integrifolia</i>	Y	S4	G5T5?		2	M	
entire-leaved									
mountain-avens	<i>Dryas integrifolia</i>	<i>ssp. sylvatica</i>	Y	S4	G5T3T5		1	S	
white mountain-avens	<i>Dryas octopetala</i>	<i>ssp. alaskensis</i>	Y	S3S4	G5T3T5		2	L	
white mountain-avens	<i>Dryas octopetala</i>	<i>ssp. hookeriana</i>	Y	S4	G5T4		2	L	
white mountain-avens	<i>Dryas octopetala</i>	<i>ssp. octopetala</i>	Y	S4	G5T3T5		2	L	
coastal strawberry	<i>Fragaria chiloensis</i>	<i>ssp. lucida</i>	Y	S4	G5T3T5		3	S	
coastal strawberry	<i>Fragaria chiloensis</i>	<i>ssp. pacifica</i>	Y	S4	G5T3T5		3	S	
wood strawberry	<i>Fragaria vesca</i>	<i>var. americana</i>	Y	S5	G5T5		1	S	
wood strawberry	<i>Fragaria vesca</i>	<i>var. bracteata</i>	Y	S5	G5T5		2	L	
wild strawberry	<i>Fragaria virginiana</i>	<i>var. glauca</i>	Y	S5	G5T5?		3	M	
wild strawberry	<i>Fragaria virginiana</i>	<i>var. platypetala</i>	Y	S5	G5T5?		3	M	
yellow avens	<i>Geum aleppicum</i>		Y	S4	G5	2		L	
caltha-leaved avens	<i>Geum calthifolium</i>		Y	S3S4	G4	3		L	

large-leaved avens	<i>Geum macrophyllum</i>	<i>ssp. macrophyllum</i>	Y	S5	G5T5		3	L
large-leaved avens	<i>Geum macrophyllum</i>	<i>ssp. perincisum</i>	Y	S5	G5T5		2	L
water avens	<i>Geum rivale</i>		Y	S3S4	G5	1		L
Ross' avens	<i>Geum rossii</i>	<i>var. rossii</i>	B	S2S3	G5T5		1	L
Queen Charlotte avens	<i>Geum schofieldii</i>		R	S2	G2Q	7		S
old man's whiskers	<i>Geum triflorum</i>	<i>var. ciliatum</i>	Y	S5	G5T5		1	M
old man's whiskers	<i>Geum triflorum</i>	<i>var. triflorum</i>	Y	S5	G5T5?		1	L
oceanspray	<i>Holodiscus discolor</i>		Y	S5	G5	1		S
partridge-foot	<i>Luetkea pectinata</i>		Y	S5	G5	4		S
Pacific crab apple	<i>Malus fusca</i>		Y	S5	G5	4		S
Indian-plum	<i>Oemleria cerasiformis</i>		Y	S4	G4G5	3		S
shrubby cinquefoil	<i>Pentaphylloides floribunda</i>		Y	S5	G5	2		L
Pacific ninebark	<i>Physocarpus capitatus</i>		Y	S4	G5	1		S
mallow ninebark	<i>Physocarpus malvaceus</i>		Y	S4	G4G5	1		S
common silverweed	<i>Potentilla anserina</i>		Y	S5	G5	2		L
white cinquefoil	<i>Potentilla arguta</i>	<i>ssp. convallaria</i>	Y	S4	G5T4T5		2	M
biennial cinquefoil	<i>Potentilla biennis</i>		Y	S3S4	G5	1		M
two-flowered cinquefoil	<i>Potentilla biflora</i>		B	S2S3	G4G5	1		L
bipinnate cinquefoil	<i>Potentilla bipinnatifida</i>		Y	S3S4	G5?	1		M
diverse-leaved cinquefoil	<i>Potentilla diversifolia</i>	<i>var. diversifolia</i>	Y	S5	G5T5?		3	M
diverse-leaved cinquefoil	<i>Potentilla diversifolia</i>	<i>var. perdissecta</i>	B	S2S3	G5T4		1	S
Drummond's cinquefoil	<i>Potentilla drummondii</i>	<i>ssp. drummondii</i>	Y	S3S4	GNR		3	S
coast silverweed	<i>Potentilla egedii</i>		Y	S5	G5	2		L
elegant cinquefoil	<i>Potentilla elegans</i>		B	S2S3	G4	1		L
fan-leaved cinquefoil	<i>Potentilla flabellifolia</i>		Y	S4	G5	1		S
sticky cinquefoil	<i>Potentilla glandulosa</i>	<i>var. glandulosa</i>	Y	S4	G5T4T5		1	S
sticky cinquefoil	<i>Potentilla glandulosa</i>	<i>var. pseudorupestris</i>	Y	S4	G5T5?		1	S
graceful cinquefoil	<i>Potentilla gracilis</i>	<i>var. fastigiata</i>	Y	S5	G5T5		1	L
graceful cinquefoil	<i>Potentilla gracilis</i>	<i>var. flabelliformis</i>	Y	S5	G5?		2	M
graceful cinquefoil	<i>Potentilla gracilis</i>	<i>var. gracilis</i>	Y	S5	G5T5		3	M
woolly cinquefoil	<i>Potentilla hippiana</i>	<i>var. hippiana</i>	Y	S3S4	G5T5?		1	M
Hooker's cinquefoil	<i>Potentilla hookeriana</i>	<i>ssp. hookeriana</i>	Y	S3S4	G4T4		1	S
arctic cinquefoil	<i>Potentilla nana</i>		Y	S4	G4G5	2		L
snow cinquefoil	<i>Potentilla nivea</i>	<i>var. nivea</i>	Y	S3S4	G5T4T5		2	L
five-leaved cinquefoil	<i>Potentilla nivea</i>	<i>var. pentaphylla</i>	B	S2S3	G5T4		2	L
Norwegian cinquefoil	<i>Potentilla norvegica</i>		Y	S5	G5	2		L
sheep cinquefoil	<i>Potentilla ovina</i>	<i>var. ovina</i>	B	S2S3	G5?T5?		1	S
bushy cinquefoil	<i>Potentilla paradoxa</i>		R	S1	G5	1		L
Pennsylvanian cinquefoil	<i>Potentilla pensylvanica</i>	<i>var. pensylvanica</i>	Y	S4	G5T5		2	M
pretty cinquefoil	<i>Potentilla pulcherrima</i>		Y	S4	G5	1		L

brook cinquefoil one-flowered	<i>Potentilla rivalis</i>		Y	S3S4	G5	1		L
cinquefoil	<i>Potentilla uniflora</i>		Y	S4	G5	2		L
villous cinquefoil	<i>Potentilla villosa</i>		Y	S5	G4	3		L
bitter cherry	<i>Prunus emarginata</i>		Y	S5	G5	4		M
pin cherry	<i>Prunus pensylvanica</i>		Y	S4	G5	2		L
choke cherry	<i>Prunus virginiana</i>	<i>ssp. demissa</i>	Y	S5	G5T5		3	S
choke cherry	<i>Prunus virginiana</i>	<i>ssp. melanocarpa</i>	Y	S5	G5T5		2	L
antelope-brush	<i>Purshia tridentata</i>		Y	S5	G5	1		M
prickly rose	<i>Rosa acicularis</i>	<i>ssp. sayi</i>	Y	S5	G5T5		2	L
Arkansas rose	<i>Rosa arkansana</i>	<i>var. arkansana</i>	B	S2S3	G5T4T5		1	M
baldhip rose	<i>Rosa gymnocarpa</i>		Y	S5	G5	3		S
Nootka rose	<i>Rosa nutkana</i>	<i>var. hispida</i>	Y	S5	G5T5		3	S
Nootka rose	<i>Rosa nutkana</i>	<i>var. nutkana</i>	Y	S5	G5T5		3	S
clustered wild rose	<i>Rosa pisocarpa</i>		Y	S4	G5	3		S
prairie rose	<i>Rosa woodsii</i>	<i>ssp. ultramontana</i>	Y	S4	G5T3T5		2	M
nagoonberry	<i>Rubus arcticus</i>	<i>ssp. acaulis</i>	Y	S4	G5T5		2	M
nagoonberry	<i>Rubus arcticus</i>	<i>ssp. stellatus</i>	Y	S4	G5T4		1	L
cloudberry	<i>Rubus chamaemorus</i>		Y	S4	G5	2		L
red raspberry	<i>Rubus idaeus</i>	<i>ssp. strigosus</i>	Y	S5	G5T5		2	L
dwarf bramble	<i>Rubus lasiococcus</i>		B	S2S3	G5	1		S
black raspberry	<i>Rubus leucodermis</i>		Y	S5	G5	1		M
snow bramble	<i>Rubus nivalis</i>		R	S2	G4?	3		S
thimbleberry	<i>Rubus parviflorus</i>	<i>var. parviflorus</i>	Y	S5	G5T5		3	L
five-leaved bramble	<i>Rubus pedatus</i>		Y	S5	G5	3		L
dwarf red raspberry	<i>Rubus pubescens</i>	<i>var. pubescens</i>	Y	S5	G5T5		2	L
salmonberry	<i>Rubus spectabilis</i>		Y	S5	G5	3		S
trailing blackberry	<i>Rubus ursinus</i>	<i>ssp. macropetalus</i>	Y	S5	G5T5		3	S
western burnet	<i>Sanguisorba annua</i>		Y	SU	G4	1		M
Sitka burnet	<i>Sanguisorba canadensis</i>		Y	S5	G5	2		L
Menzies' burnet	<i>Sanguisorba menziesii</i>		B	S2S3	G3G4	4		S
great burnet	<i>Sanguisorba officinalis</i>		Y	S4	G5?	1		L
sibbaldia	<i>Sibbaldia procumbens</i>		Y	S5	G5	2		L
western mountain- ash	<i>Sorbus scopulina</i>	<i>var. cascadiensis</i>	Y	S3S4	G5T4T5		3	S
western mountain- ash	<i>Sorbus scopulina</i>	<i>var. scopulina</i>	Y	S5	G5T5		4	M
Sitka mountain-ash	<i>Sorbus sitchensis</i>	<i>var. grayi</i>	Y	S5	G5T5		4	S
Sitka mountain-ash	<i>Sorbus sitchensis</i>	<i>var. sitchensis</i>	Y	S5	G5T5		4	S
birch-leaved spirea	<i>Spiraea betulifolia</i>	<i>ssp. lucida</i>	Y	S5	G5T5		3	S
hardhack	<i>Spiraea douglasii</i>	<i>ssp. douglasii</i>	Y	S5	G5T5?		3	S
pink spirea	<i>Spiraea douglasii</i>	<i>ssp. menziesii</i>	Y	S5	G5T5?		5	S
pyramid spirea	<i>Spiraea pyramidata</i>		Y	S4	GNA	5		S
subalpine spirea	<i>Spiraea splendens</i>		Y	S3S4	G5	1		S
Steven's spirea	<i>Spiraea stevenii</i>		Y	S4	G5	1		L

Saxifragaceae								
coast boykinia	<i>Boykinia occidentalis</i>		Y	S4	G5		3	S
lowa golden-saxifrage	<i>Chrysosplenium iowense</i>		B	S2S3	G3		1	S
northern golden-saxifrage	<i>Chrysosplenium tetrandrum</i>		Y	S5	G5		2	L
Wright's golden-saxifrage	<i>Chrysosplenium wrightii</i>		B	S2S3	G5?		1	L
elmera	<i>Elmera racemosa</i>	var. <i>racemosa</i>	B	S2S3	G4G5T4		1	S
meadow alumroot	<i>Heuchera chlorantha</i>		Y	S3S4	G4G5		1	S
round-leaved alumroot	<i>Heuchera cylindrica</i>	var. <i>cylindrica</i>	Y	S5	G5T5		1	S
round-leaved alumroot	<i>Heuchera cylindrica</i>	var. <i>glabella</i>	Y	S5	G5T5		2?	S
round-leaved alumroot	<i>Heuchera cylindrica</i>	var. <i>orbicularis</i>	Y	S5	G5T5?		2?	S
round-leaved alumroot	<i>Heuchera cylindrica</i>	var. <i>septentrionalis</i>	Y	S5	G5T5		2?	S
smooth alumroot	<i>Heuchera glabra</i>		Y	S4	G5		4	S
small-flowered alumroot	<i>Heuchera micrantha</i>	var. <i>diversifolia</i>	Y	S4	G5T4		5	S
Richardson's alumroot	<i>Heuchera richardsonii</i>		Y	S5	G5		1	L
leatherleaf saxifrage	<i>Leptarrhena pyrolifolia</i>		Y	S4	G5		4	S
smooth fringedcup	<i>Lithophragma glabrum</i>		Y	S4	G4G5		1	M
small-flowered fringedcup	<i>Lithophragma parviflorum</i>	var. <i>parviflorum</i>	Y	S4	G5T5		1	M
slender fringedcup	<i>Lithophragma tenellum</i>		Y	S3S4	G5		1	M
Brewer's mitrewort	<i>Mitella breweri</i>		Y	S4	G5		3	S
leafy mitrewort	<i>Mitella caulescens</i>		B	S2S3	G5		1	S
common mitrewort	<i>Mitella nuda</i>		Y	S5	G5		2	L
oval-leaved mitrewort	<i>Mitella ovalis</i>		Y	S5	G5		1	S
five-stamened mitrewort	<i>Mitella pentandra</i>		Y	S4	G5?		3	M
three-toothed mitrewort	<i>Mitella trifida</i>		Y	S4	G5		3	S
fringed grass-of-Parnassus	<i>Parnassia fimbriata</i>		Y	S5	G5		4	M
Kotzebue's grass-of-Parnassus	<i>Parnassia kotzebuei</i>		Y	S4	G5		2	M
northern grass-of-Parnassus	<i>Parnassia palustris</i>		Y	S5	G5		3	L
small-flowered grass-of-Parnassus	<i>Parnassia parviflora</i>		Y	S3S4	G4		1	L
wedge-leaved saxifrage	<i>Saxifraga adscendens</i>	ssp. <i>oregonensis</i>	Y	S4	G5T4T5		4	M

evergreen saxifrage	<i>Saxifraga aizoides</i>		Y	S4	G5	1		L
spotted saxifrage	<i>Saxifraga bronchialis</i>	<i>ssp. austromontana</i>	Y	S5	G5T5		4	S
Funston's saxifrage	<i>Saxifraga bronchialis</i>	<i>ssp. funstonii</i>	Y	S4	G5T4T5		1	L
tufted saxifrage	<i>Saxifraga caespitosa</i>		Y	S4	G5	3		L
nodding saxifrage	<i>Saxifraga cernua</i>		Y	S5	G4	2		L
Alaska saxifrage	<i>Saxifraga ferruginea</i>		Y	S4	G5	3		S
stoloniferous saxifrage	<i>Saxifraga flagellaris</i>	<i>ssp. setigera</i>	Y	S3S4	G5T3T5		1	L
hawkweed-leaved saxifrage	<i>Saxifraga hieraciifolia</i>	<i>var. hieraciifolia</i>	B	S2S3	G4TNR		1	L
yellow marsh saxifrage	<i>Saxifraga hirculus</i>	<i>ssp. hirculus</i>	B	S2S3	G5TNR		1	L
grassland saxifrage	<i>Saxifraga integrifolia</i>		Y	S4	G4G5	1		S
red-stemmed saxifrage	<i>Saxifraga lyallii</i>	<i>var. hultenii</i>	Y	S4	G5T3T5		4	S
red-stemmed saxifrage	<i>Saxifraga lyallii</i>	<i>var. lyallii</i>	Y	S4	G5T3T5		1	S
wood saxifrage	<i>Saxifraga mertensiana</i>		Y	S4	G5	4		S
dotted saxifrage	<i>Saxifraga nelsoniana</i>	<i>ssp. carlottae</i>	B	S3	G5T3?		5	S
dotted saxifrage	<i>Saxifraga nelsoniana</i>	<i>ssp. cascadiensis</i>	Y	S5	G5TNR		3	S
dotted saxifrage	<i>Saxifraga nelsoniana</i>	<i>ssp. pacifica</i>	Y	S5	G5T5?		3	S
dotted saxifrage	<i>Saxifraga nelsoniana</i>	<i>ssp. porsildiana</i>	Y	S4S5	G5T4		3	S
meadow saxifrage	<i>Saxifraga nidifica</i>	<i>var. nidifica</i>	Y	S4	G4G5T4T5			S
alpine saxifrage	<i>Saxifraga nivalis</i>		Y	S4	G4G5	2		L
western saxifrage	<i>Saxifraga occidentalis</i>		Y	S5	G5	2		M
stream saxifrage	<i>Saxifraga odontoloma</i>		Y	S4	G5	1		M
purple mountain saxifrage	<i>Saxifraga oppositifolia</i>		Y	S4	G4G5	2		L
large-petalled saxifrage	<i>Saxifraga razshivinii</i>		B	S2S3	G4G5	1		L
Yukon saxifrage	<i>Saxifraga reflexa</i>		Y	S3S4	G5	1		S
brook saxifrage	<i>Saxifraga rivularis</i>		Y	S4	G5?	2		L
rusty-haired saxifrage	<i>Saxifraga rufidula</i>		Y	S4	G5?	3		S
thyme-leaved saxifrage	<i>Saxifraga serpyllifolia</i>		B	S2S3	G5	1		L
Taylor's saxifrage	<i>Saxifraga taylori</i>		Y	S3S4	G3G4	7		S
Tolmie's saxifrage	<i>Saxifraga tolmiei</i>		Y	S4	G5	4		S
three-toothed saxifrage	<i>Saxifraga tricuspidata</i>		Y	S5	G4G5	2		M
buttercup-leaved suksdorfia	<i>Suksdorfia ranunculifolia</i>		Y	S3S4	G5	3		S
violet suksdorfia	<i>Suksdorfia violacea</i>		Y	S3S4	G4	4		S
fringecup	<i>Tellima grandiflora</i>		Y	S5	G5	4		S
cut-leaved	<i>Tiarella trifoliata</i>	<i>var. laciniata</i>	Y	S5	G5T5?		5	S

three-leaved foamflower	<i>Tiarella trifoliata</i>	<i>var. trifoliata</i>	Y	S5	G5T5		4		S
one-leaved foamflower	<i>Tiarella trifoliata</i>	<i>var. unifoliata</i>	Y	S5	G5T5			4	S
piggy-back plant	<i>Tolmiea menziesii</i>		Y	S5	G5		4		S
FABALES									
Fabaceae									
field milk-vetch	<i>Astragalus agrestis</i>		Y	S5	G5		1		L
alpine milk-vetch	<i>Astragalus alpinus</i>	<i>var. alpinus</i>	Y	S4	G5T5			2	L
American milk-vetch	<i>Astragalus americanus</i>		Y	S4	G5		3		M
southern milk-vetch	<i>Astragalus australis</i>		Y	S3S4	G5		1		L
Weiser milk-vetch	<i>Astragalus beckwithii</i>	<i>var. weiserensis</i>	Y	S4	G5T5			3	D1 S
Bourgeau's milk-vetch	<i>Astragalus bourgovii</i>		B	S3	G5		3		S
Canadian milk-vetch	<i>Astragalus canadensis</i>	<i>var. brevidens</i>	Y	S5	G5T5			1	S
Canadian milk-vetch	<i>Astragalus canadensis</i>	<i>var. canadensis</i>	Y	S5	G5T5			1	L
Canadian milk-vetch	<i>Astragalus canadensis</i>	<i>var. mortonii</i>	Y	S5	G5T5			1	S
hillside milk-vetch	<i>Astragalus collinus</i>	<i>var. collinus</i>	Y	S5	G5T5			3	D1 S
ground plum	<i>Astragalus crassicaarpus</i>		R	S1	G5		1		L
Drummond's milk-vetch	<i>Astragalus drummondii</i>		R	S1	G5		1		M
elegant milk-vetch	<i>Astragalus eucosmus</i>		Y	S3S4	G5		1		L
threadstalk milk-vetch	<i>Astragalus filipes</i>		B	S3	G5		1		S
standing milk-vetch	<i>Astragalus laxmannii</i>	<i>var. robustior</i>	Y	S3S4	G5T5			1	L
freckled milk-vetch	<i>Astragalus lentiginosus</i>	<i>var. lentiginosus?</i>	R	S2	G5			1	S
lotus milk-vetch	<i>Astragalus lotiflorus</i>		Y	S3S4	G5		1		M
least bladdery milk-vetch	<i>Astragalus microcystis</i>		R	S1	G5		1		S
timber milk-vetch	<i>Astragalus miser</i>	<i>var. miser</i>	Y	S5	G5T4?			3	S
timber milk-vetch	<i>Astragalus miser</i>	<i>var. serotinus</i>	Y	S5	G5T5			5	S
Nutzotin milk-vetch	<i>Astragalus nutzotinensis</i>		Y	S3S4	G3G4		3		S
woollypod milk-vetch	<i>Astragalus purshii</i>	<i>var. glareosus</i>	Y	S5	G5T4			1	M
woollypod milk-vetch	<i>Astragalus purshii</i>	<i>var. purshii</i>	Y	S5	G5T5			1	S
Robbins' milk-vetch	<i>Astragalus robbinsii</i>	<i>var. minor</i>	Y	S4	G5T5			3	
The Dalles milk-vetch	<i>Astragalus sclerocarpus</i>		R	S2	G5 G3		3		S
Spalding's milk-vetch	<i>Astragalus spaldingii</i>	<i>var. spaldingii</i>	R	S1	GNRT3T4			1	D1 S
pulse milk-vetch	<i>Astragalus tenellus</i>		Y	S5	G5		3		M
tundra milk-vetch	<i>Astragalus umbellatus</i>		B	S2S3	G4		1		S
bent-flowered milk-vetch	<i>Astragalus vexilliflexus</i>	<i>var. vexilliflexus</i>	B	S2S3	G4T4			1	S
wild licorice	<i>Glycyrrhiza lepidota</i>		R	S2	G5		1		L
alpine hedysarum	<i>Hedysarum alpinum</i>		Y	S5	G5		2		L
northern hedysarum	<i>Hedysarum boreale</i>	<i>ssp. boreale</i>	Y	S3S4	G5T5			1	L
northern hedysarum	<i>Hedysarum boreale</i>	<i>ssp. mackenzii</i>	Y	S5	G5T5?			1	M
western hedysarum	<i>Hedysarum occidentale</i>		B	S2S3	G5		1		M

yellow hedysarum	<i>Hedysarum sulphurescens</i>		Y	S5	G4		3		S
pinewood peavine	<i>Lathyrus bijugatus</i>		R	S1	G4		1		S
beach pea	<i>Lathyrus japonicus</i>	<i>var. maritimus</i>	Y	S5	G5T4T5			1	L
grey beach peavine	<i>Lathyrus littoralis</i>		R	S2	G5		3		S
purple peavine	<i>Lathyrus nevadensis</i>	<i>var. pilosellus</i>	Y	S5	G5T5			3	S
creamy peavine	<i>Lathyrus ochroleucus</i>		Y	S5	G4G5		2		L
marsh peavine	<i>Lathyrus palustris</i>		Y	S3S4	G5		1		L
meadow birds-foot trefoil	<i>Lotus denticulatus</i>		Y	S5	G5		3		S
seaside birds-foot trefoil	<i>Lotus formosissimus</i>		R	S1	G4	E	1		S
small-flowered birds-foot trefoil	<i>Lotus micranthus</i>		Y	S4	G5		1		S
bog birds-foot trefoil	<i>Lotus pinnatus</i>		R	S1	G4G5	E	1		S
Spanish-clover	<i>Lotus unifoliolatus</i>	<i>var. unifoliolatus</i>	B	S2S3	G5T5		1		L
spurred lupine	<i>Lupinus arbustus</i>	<i>ssp. neolaxiflorus</i>	R	SH	G5T1T3			1	S
Montana lupine	<i>Lupinus arbustus</i>	<i>ssp. pseudoparviflorus</i>	R	S1	G5T2T3			1	S
arctic lupine	<i>Lupinus arcticus</i>	<i>ssp. arcticus</i>	Y	S5	G5T5			1	S
arctic lupine	<i>Lupinus arcticus</i>	<i>ssp. subalpinus</i>	Y	S5	G5T5			6	S
silvery lupine	<i>Lupinus argenteus</i>	<i>var. laxiflorus</i>	R	S1	G5T5?			1	M
two-coloured lupine	<i>Lupinus bicolor</i>	<i>ssp. bicolor</i>	Y	S3S4	G5T5			1	S
Suksdorf's lupine	<i>Lupinus bingenensis</i>	<i>var. subsaccatus</i>	R	S1	G4G5TNR			1	S
bigleaf lupine	<i>Lupinus burkei</i>	<i>ssp. burkei</i>	Y	S4	G4G5T4T5			3	S
dense-flowered lupine	<i>Lupinus densiflorus</i>	<i>var. densiflorus</i>	R	S1	G5T4	E		5	S
Yukon lupine	<i>Lupinus kuschei</i>		B	S2S3	G3		3		S
prairie lupine	<i>Lupinus lepidus</i>		R	S1	G5	E	3		S
velvet lupine	<i>Lupinus leucophyllus</i>		Y	S4	G5		1		S
seashore lupine	<i>Lupinus littoralis</i>		Y	S3S4	G5		3		S
dwarf mountain lupine	<i>Lupinus lyallii</i>		Y	S3S4	G5		3		S
Nootka lupine	<i>Lupinus nootkatensis</i>	<i>var. fruticosus</i>	Y	S5	G5T5			3	S
Nootka lupine	<i>Lupinus nootkatensis</i>	<i>var. nootkatensis</i>	Y	S5	G5T5			3	S
Kincaid's lupine	<i>Lupinus oregonus</i>	<i>var. kincaidii</i>	R	SX	G5T2			1	S
small-flowered lupine	<i>Lupinus polycarpus</i>		Y	S4	G5				S
large-leaved lupine	<i>Lupinus polyphyllus</i>	<i>ssp. polyphyllus</i>	Y	S4	G5T4T5			3	S
streambank lupine	<i>Lupinus rivularis</i>		R	S1	G4G5	E	1		S
silky lupine	<i>Lupinus sericeus</i>		Y	S5	G5		1		M
sulphur lupine	<i>Lupinus sulphureus</i>		Y	S3S4	G5		1		S
Wyeth's lupine	<i>Lupinus wyethii</i>		R	S1	G5		1		S
arctic locoweed	<i>Oxytropis arctica</i>		B	S2S3	G4?		1		L
Columbia River locoweed	<i>Oxytropis campestris</i>	<i>var. columbiana</i>	B	S3	G5T3			4	S
field locoweed	<i>Oxytropis campestris</i>	<i>var. cusickii</i>	Y	S5	G5T5			3	S
Davis' locoweed	<i>Oxytropis campestris</i>	<i>var. davisii</i>	B	S3	G5T3			6	S

Jordal's locoweed	<i>Oxytropis campestris</i>	<i>var. jordalii</i>	B	S2S3	G5T4		1		S
silky locoweed	<i>Oxytropis campestris</i>	<i>var. spicata</i>	Y	S4	G5T4T5		1		S
field locoweed	<i>Oxytropis campestris</i>	<i>var. varians</i>	Y	S5	G5T5		1		S
pendant-pod locoweed	<i>Oxytropis deflexa</i>		Y	S4	G5		2		L
Huddelson's locoweed	<i>Oxytropis huddelsonii</i>		Y	S3S4	G3		1		S
Maydell's locoweed	<i>Oxytropis maydelliana</i>		B	S2S3	G5		1		S
mountain locoweed	<i>Oxytropis monticola</i>	<i>ssp. monticola</i>	Y	S4	GNRT5?		3		M
blackish locoweed	<i>Oxytropis nigrescens</i>		Y	S4	G5		1		L
stalked-pod locoweed	<i>Oxytropis podocarpa</i>		Y	S4	G4		1		S
Scamman's locoweed	<i>Oxytropis scammaniana</i>		B	S2S3	G3G4		1		S
	<i>Oxytropis sericea</i>	<i>var. speciosa</i>	Y	SNR	G5T4T5		1		S
showy locoweed	<i>Oxytropis splendens</i>		Y	S4	G5		1		M
sticky locoweed	<i>Oxytropis viscida</i>		Y	S4	G5		3		M
California-tea	<i>Rupertia physodes</i>		B	S3	G4		1		S
prairie golden bean	<i>Thermopsis rhombifolia</i>		R	S1	G5		1		M
cup clover	<i>Trifolium cyathiferum</i>		R	S1	G4		1		S
poverty clover	<i>Trifolium depauperatum</i>	<i>var. depauperatum</i>	B	S3	G5T5?		1	D1	S
Macrae's clover	<i>Trifolium dichotomum</i>		B	S2S3	G4?		1	D1	S
small-headed clover	<i>Trifolium microcephalum</i>		Y	S4	G5		1		L
thimble clover	<i>Trifolium microdon</i>		Y	S4	G4Q		1		S
few-flowered clover	<i>Trifolium oliganthum</i>		Y	S4	G5		1		S
white-tipped clover	<i>Trifolium variegatum</i>		Y	S4	G4G5		1		S
tomcat clover	<i>Trifolium willdenowii</i>		Y	S4	G5		1		L
springbank clover	<i>Trifolium wormskioldii</i>		Y	S5	G5		1		L
American vetch	<i>Vicia americana</i>		Y	S5	G5		3		S
giant vetch	<i>Vicia nigricans</i>	<i>ssp. gigantea</i>	Y	S5	G5?T5?		2		S
GERANIALES									
Balsaminaceae									
orange touch-me-not	<i>Impatiens aurella</i>		B	S2S3	G4?		5		S
spotted touch-me-not	<i>Impatiens capensis</i>		Y	S4	G5		1		L
spurless touch-me-not	<i>Impatiens ecalcarata</i>		B	S2S3	G3G4		4		S
common touch-me-not	<i>Impatiens noli-tangere</i>		Y	S3S4	G4G5		2		L
Geraniaceae									
Bicknell's geranium	<i>Geranium bicknellii</i>		Y	S5	G5		2		L
Carolina geranium	<i>Geranium carolinianum</i>		Y	S4	G5		1		L
northern geranium	<i>Geranium erianthum</i>		Y	S5	G5		1		L
Richardson's geranium	<i>Geranium richardsonii</i>		Y	S4	G5		2		M
sticky purple geranium	<i>Geranium viscosissimum</i>	<i>var. viscosissimum</i>	Y	S4	G5T5?		1		M

	Limnanthaceae								
false-mermaid	<i>Floerkea proserpinacoides</i>		B	S2S3	G5	NAR	1		L
Macoun's meadow-foam	<i>Limnanthes macounii</i>		R	S2	G3	T	6 or 7		S
	Oxalidaceae								
redwood sorrel	<i>Oxalis oregana</i>		R	S2	G5		1		S
	LINALES								
	Linaceae								
western blue flax	<i>Linum lewisii</i>	<i>ssp. lewisii</i>	Y	S4	G4G5T4T5		1		L
	EUPHORBIALES								
	Euphorbiaceae								
corrugate-seeded spurge	<i>Chamaesyce glyptosperma</i>		Y	S4	G5		1		L
thyme-leaved spurge	<i>Chamaesyce serpyllifolia</i>	<i>ssp. serpyllifolia</i>	B	S2S3	G5T5		1		L
	CALLITRICHALES								
	Callitrichaceae								
northern water-starwort	<i>Callitriche hermaphroditica</i>		Y	S5	G5		1		L
diverse-leaved water-starwort	<i>Callitriche heterophylla</i>	<i>ssp. bolanderi</i>	Y	S4	G5T3T5		1		S
two-edged water-starwort	<i>Callitriche heterophylla</i>	<i>ssp. heterophylla</i>	B	S2S3	G5T5		1		L
winged water-starwort	<i>Callitriche marginata</i>		R	S1	G4		1		S
spring water-starwort	<i>Callitriche palustris</i>		Y	S4	G5		1		L
	Hippuridaceae								
mountain mare's-tail	<i>Hippuris montana</i>		Y	S3S4	G4		4		S
four-leaved mare's-tail	<i>Hippuris tetraphylla</i>		B	S2S3	G5		1		L
common mare's-tail	<i>Hippuris vulgaris</i>		Y	S5	G5		2		L
	CELASTRALES								
	Celastraceae								
western wahoo	<i>Euonymus occidentalis</i>	<i>var. occidentalis</i>	R	S1	G5TNR		1	D1	S
falsebox	<i>Paxistima myrsinites</i>		Y	S5	G4G5		3		M
	SAPINDALES								
	Aceraceae								
vine maple	<i>Acer circinatum</i>		Y	S5	G4G5				S
Douglas maple	<i>Acer glabrum</i>	<i>var. douglasii</i>	Y	S5	G5T5		5		S
bigleaf maple	<i>Acer macrophyllum</i>		Y	S5	G5		3		S
	Anacardiaceae						3		S
smooth sumac	<i>Rhus glabra</i>		Y	S3S4	G5		1		L
poison oak	<i>Toxicodendron diversilobum</i>		B	S2S3	G5		1		S
poison ivy	<i>Toxicodendron rydbergii</i>		Y	S3S4	G5		1		L

RHAMNALES									
Rhamnaceae									
redstem ceanothus	<i>Ceanothus sanguineus</i>		Y	S5	G4G5	3			S
snowbrush	<i>Ceanothus velutinus</i>	<i>var. hookeri</i>	Y	S5	G5TNR		1		S
snowbrush	<i>Ceanothus velutinus</i>	<i>var. velutinus</i>	Y	S5	G5TNR		1		M
alder-leaved									
buckthorn	<i>Rhamnus alnifolia</i>		Y	S4	G5	1			L
cascara	<i>Rhamnus purshiana</i>		Y	S5	G4	1			L
MALVALES									
Malvaceae									
streambank globe-mallow	<i>Iliamna rivularis</i>	<i>var. rivularis</i>	Y	S3S4	G5T5		1		M
Henderson's checker-mallow	<i>Sidalcea hendersonii</i>		B	S3	G3	4			S
Oregon checker-mallow	<i>Sidalcea oregana</i>	<i>var. procera</i>	R	S1	G5T4		1	D1	S
scarlet globe-mallow	<i>Sphaeralcea coccinea</i>		R	S1	G5?	1			L
Munroe's globe-mallow	<i>Sphaeralcea munroana</i>		R	S1	G4	1			S
THEALES									
Clusiaceae									
bog St. John's-wort	<i>Hypericum anagalloides</i>		Y	S4	G4	1			S
large Canadian St. John's-wort	<i>Hypericum majus</i>		B	S2S3	G5	1			L
western St. John's-wort	<i>Hypericum scouleri</i>	<i>ssp. nortoniae</i>	B	S2S3	G5T3T5		1		S
western St. John's-wort	<i>Hypericum scouleri</i>	<i>ssp. scouleri</i>	Y	S3S4	G5T3T5		1		S
Elatinaceae									
three-flowered waterwort	<i>Elatine rubella</i>		B	S2S3	G5	1			L
VIOLALES									
Cucurbitaceae									
manroot	<i>Marah oreganus</i>		R	S1	G5	1			S
Loasaceae									
small-flowered evening star	<i>Mentzelia albicaulis</i>		Y	S4	G5	1			M
bushy mentzelia	<i>Mentzelia dispersa</i>		Y	S3S4	G5	1			M
blazing-star	<i>Mentzelia laevicaulis</i>	<i>var. laevicaulis</i>	Y	S4	G4G5T4T5		1		M
blazing-star	<i>Mentzelia laevicaulis</i>	<i>var. parviflora</i>	Y	S4	G4G5TNR		4		S
Violaceae									
early blue violet	<i>Viola adunca</i>	<i>var. adunca</i>	Y	S5	G5T5		2		L
Queen Charlotte twinflower violet	<i>Viola biflora</i>	<i>ssp. carlottae</i>	B	S3	G5T3		7		S
Canada violet	<i>Viola canadensis</i>	<i>var. rugulosa</i>	Y	S5	G5T5		3		L
dwarf marsh violet	<i>Viola epipsila</i>	<i>ssp. repens</i>	Y	S4	G4T4		2		M
stream violet	<i>Viola glabella</i>		Y	S4	G5	3			S

Howell's violet	<i>Viola howellii</i>		B	S2S3	G4		3		S
Alaska violet	<i>Viola langsдорфii</i>		Y	S4	G4		1		L
small white violet	<i>Viola macloskeyi</i>		Y	S4	G5		2		L
northern bog violet	<i>Viola nephrophylla</i>	var. <i>cognata</i>	Y	S4	G5T3T5			1	M
northern bog violet	<i>Viola nephrophylla</i>	var. <i>nephrophylla</i>	Y	S4	G5T5?			2	L
round-leaved violet	<i>Viola orbiculata</i>		Y	S4	G5		4		S
marsh violet	<i>Viola palustris</i>	var. <i>palustris</i>	Y	S5	G5T5			2	L
yellow montane violet	<i>Viola praemorsa</i>	ssp. <i>praemorsa</i>	R	S2	G5T3T5	T		1	S
purple-marked yellow violet	<i>Viola purpurea</i>	var. <i>venosa</i>	R	S1S3	G5T4T5			1	S
kidney-leaved violet	<i>Viola renifolia</i>		Y	S3S4	G5		2		L
Selkirk's violet	<i>Viola selkirkii</i>		Y	S3S4	G5?		1		L
trailing yellow violet	<i>Viola sempervirens</i>		Y	S4	G5		3		S
northern violet	<i>Viola septentrionalis</i>		R	S1S3	G5		1		L
yellow sagebrush violet	<i>Viola vallicola</i>	var. <i>major</i>	Y	S4	G5?T4T5			1	S
PROTEALES									
Elaeagnaceae									
silverberry	<i>Elaeagnus commutata</i>		Y	S4	G5		2		L
soopolallie	<i>Shepherdia canadensis</i>		Y	S5	G5		2		L
MYRTALES									
Lythraceae									
scarlet ammannia	<i>Ammannia robusta</i>		R	S1	G5	E	1		L
toothcup meadow-foam	<i>Rotala ramosior</i>		R	S1	G5	E	1		L
Onagraceae									
Andean evening-primrose	<i>Camissonia andina</i>		R	S1	G4		1		M
short-flowered evening-primrose	<i>Camissonia breviflora</i>		R	S1	G5		1		S
contorted-pod evening-primrose	<i>Camissonia contorta</i>		R	S1	G5	E	1		S
enchanter's-nightshade	<i>Circaea alpina</i>	ssp. <i>alpina</i>	Y	S4	G5T5			2	L
enchanter's-nightshade	<i>Circaea alpina</i>	ssp. <i>pacifica</i>	Y	S4	G5T4T5			3	M
farewell-to-spring	<i>Clarkia amoena</i>	var. <i>caurina</i>	B	S3	G5T5?			3	S
farewell-to-spring	<i>Clarkia amoena</i>	var. <i>lindleyi</i>	B	S3	G5T5			3	S
pink fairies	<i>Clarkia pulchella</i>		Y	S3S4	G5?		1		S
small-flowered godetia	<i>Clarkia purpurea</i>	ssp. <i>quadrivulnera</i>	R	S1	G5T5			1	S
common clarkia	<i>Clarkia rhomboidea</i>		R	S1	G5		1		L
alpine willowherb	<i>Epilobium anagallidifolium</i>		Y	S5	G5		2		L
fireweed	<i>Epilobium angustifolium</i>	ssp. <i>angustifolium</i>	Y	S5	G5T5			2	L
fireweed	<i>Epilobium angustifolium</i>	ssp. <i>circumvagum</i>	Y	S5	G5T5			2	L
tall annual willowherb	<i>Epilobium brachycarpum</i>		Y	S5	G5		2		L

purple-leaved willowherb	<i>Epilobium ciliatum</i>	<i>ssp. ciliatum</i>	Y	S5	G5T5		2	L
purple-leaved willowherb	<i>Epilobium ciliatum</i>	<i>ssp. glandulosum</i>	Y	S3S4	G5T5		2	L
purple-leaved willowherb	<i>Epilobium ciliatum</i>	<i>ssp. watsonii</i>	B	S2S3	G5T3T5		3	S
club-fruited willowherb	<i>Epilobium clavatum</i>		Y	S5	G5		1	M
northern swamp willowherb	<i>Epilobium davuricum</i>		B	S2S3	G5		1	L
dense spike-primrose	<i>Epilobium densiflorum</i>		R	S1	G5	E	1	L
foliose willowherb	<i>Epilobium foliosum</i>		Y	S3S4	G5		1	S
smooth willowherb	<i>Epilobium glaberrimum</i>	<i>ssp. fastigiatum</i>	B	S2S3	G5T4T5		1	S
Hall's willowherb	<i>Epilobium halleanum</i>		B	S2S3	G5		1	L
Hornemann's willowherb	<i>Epilobium hornemannii</i>	<i>ssp. behringianum</i>	B	S2S3	G5T4		1	S
Hornemann's willowherb	<i>Epilobium hornemannii</i>	<i>ssp. hornemannii</i>	Y	S4	G5T5		2	L
white-flowered willowherb	<i>Epilobium lactiflorum</i>		Y	S4	G5		3	L
broad-leaved willowherb	<i>Epilobium latifolium</i>		Y	S5	G5		2	L
small-fruited willowherb	<i>Epilobium leptocarpum</i>		B	S2S3	G5		3	S
narrow-leaved willowherb	<i>Epilobium leptophyllum</i>		Y	S3S4	G5		1	L
yellow willowherb	<i>Epilobium luteum</i>		Y	S3S4	G5		4	S
small-flowered willowherb	<i>Epilobium minutum</i>		Y	S4	G5		1	S
hairy-stemmed willowherb	<i>Epilobium mirabile</i>		R	S1S3	G4Q		3	S
Oregon willowherb	<i>Epilobium oregonense</i>		B	S2S3	G5		1	M
swamp willowherb	<i>Epilobium palustre</i>		Y	S4	G5		2	L
smooth spike-primrose	<i>Epilobium pygmaeum</i>		R	SH	G5		1	M
Rocky Mountain willowherb	<i>Epilobium saximontanum</i>		R	S1S3	G5		1	M
brook spike-primrose	<i>Epilobium torreyi</i>		R	SX	G5	E	1	S
scarlet gaura	<i>Gaura coccinea</i>		R	S1	G5		1	L
spreading groundsmoke	<i>Gayophytum diffusum</i>	<i>ssp. parviflorum</i>	Y	S3S4	G5T5		1	M
dwarf groundsmoke	<i>Gayophytum humile</i>		B	S2S3	G5		1	L
racemed groundsmoke	<i>Gayophytum racemosum</i>		R	S1	G5		1	M

hairstem								
groundsmoke	<i>Gayophytum ramosissimum</i>		R	S1	G5	1		M
water-purslane	<i>Ludwigia palustris</i>		Y	S3S4	G5	1		L
pale evening-primrose	<i>Oenothera pallida</i>	<i>ssp. pallida</i>	R	S1	G5T4Q		1	M
yellow evening-primrose	<i>Oenothera villosa</i>	<i>ssp. strigosa</i>	Y	S3S4	G5T4T5		1	L
HALORAGALES								
Haloragaceae								
Farwell's water-milfoil	<i>Myriophyllum farwellii</i>		Y	S3S4	G5	1		D1 M
western water-milfoil	<i>Myriophyllum hippuroides</i>		B	S3	G5	1		S
green parrot's-feather	<i>Myriophyllum pinnatum</i>		R	S1	G5	1		D1 L
waterwort water-milfoil	<i>Myriophyllum quitense</i>		B	S2S3	G4?	1		S
Siberian water-milfoil	<i>Myriophyllum sibiricum</i>		Y	S4	G5	2		L
Ussurian water-milfoil	<i>Myriophyllum ussuriense</i>		B	S3	G3	1		L
verticillate water-milfoil	<i>Myriophyllum verticillatum</i>		Y	S4	G5	2		L
APIALES								
Apiaceae								
sharptooth angelica	<i>Angelica arguta</i>		Y	S4	G5	1		S
Dawson's angelica	<i>Angelica dawsonii</i>		Y	S3S4	G4	2		S
kneeling angelica	<i>Angelica genuflexa</i>		Y	S5	G5	4		S
seacoast angelica	<i>Angelica lucida</i>		Y	S5	G5	1		L
cut-leaved water-parsnip	<i>Berula erecta</i>		R	S1	G4G5	1		L
American thorough-wax	<i>Bupleurum americanum</i>		B	S2S3	G5	1		S
bulbous water-hemlock	<i>Cicuta bulbifera</i>		Y	S3S4	G5	1		L
Douglas' water-hemlock	<i>Cicuta douglasii</i>		Y	S5	G5	2		S
spotted cowbane	<i>Cicuta maculata</i>	<i>var. angustifolia</i>	Y	S5	G5T5		1	L
spotted cowbane	<i>Cicuta maculata</i>	<i>var. maculata</i>	R	S1	G5T5		1	L
European water-hemlock	<i>Cicuta virosa</i>		B	S2S3	G4G5	1		S
northern hemlock-parsley	<i>Cnidium cnidiifolium</i>		B	S2S3	G5	1		S
Pacific hemlock-parsley	<i>Conioselinum gmelinii</i>		Y	S5	G5	3		S
American wild carrot	<i>Daucus pusillus</i>		Y	S5	G5	1		L
American glehnia	<i>Glehnia littoralis</i>	<i>ssp. leiocarpa</i>	B	S3	G5T5		3	S
cow-parsnip	<i>Heracleum maximum</i>		Y	S5	G5	2		L
Calder's lovage	<i>Ligusticum calderi</i>		Y	S3S4	G3G4	6		S
Canby's lovage	<i>Ligusticum canbyi</i>		Y	S4	G5	3		S

beach lovage	<i>Ligusticum scoticum</i>	<i>ssp. hultenii</i>	Y	S3S4	G5T4T5		1	S
verticillate-umbel lovage	<i>Ligusticum verticillatum</i>		B	S2S3	G4G5		3	S
western lilaeopsis	<i>Lilaeopsis occidentalis</i>		Y	S3S4	G4G5		3	S
swale desert-parsley Brandegee's lomatium	<i>Lomatium ambiguum</i>		Y	S4	G4G5		3	S
	<i>Lomatium brandegeei</i>		B	S2S3	G3?		3	S
fern-leaved desert- parsley	<i>Lomatium dissectum</i>	<i>var. dissectum</i>	R	S1	G4T4		1	S
fern-leaved desert- parsley	<i>Lomatium dissectum</i>	<i>var. multifidum</i>	Y	S4	G4T4		1	M
fennel-leaved desert- parsley	<i>Lomatium foeniculaceum</i>	<i>var. foeniculaceum</i>	R	S1	G5T5		1	M
Geyer's desert- parsley	<i>Lomatium geyeri</i>		Y	S4	G4		4	S
Gray's desert-parsley	<i>Lomatium grayi</i>		R	S1	G5		1	S
large-fruited desert- parsley	<i>Lomatium macrocarpum</i>		Y	S5	G5		1	M
Martindale's lomatium	<i>Lomatium martindalei</i>		Y	S3S4	G5		1	S
barestem desert- parsley	<i>Lomatium nudicaule</i>		Y	S5	G5		1	S
Sandberg's desert- parsley	<i>Lomatium sandbergii</i>		B	S2S3	G4		4	S
nine-leaved desert- parsley	<i>Lomatium triternatum</i>	<i>ssp. platycarpum</i>	R	S2	G5T3T5		1	S
nine-leaved desert- parsley	<i>Lomatium triternatum</i>	<i>ssp. triternatum</i>	Y	S4	G5TNR		1	S
spring gold	<i>Lomatium utriculatum</i>		Y	S5	G5		1	
Pacific water-parsley	<i>Oenanthe sarmentosa</i>		Y	S5	G5		4	S
mountain sweet- cicely	<i>Osmorhiza berteroi</i>		Y	S5	G5		2	L
blunt-fruited sweet- cicely	<i>Osmorhiza depauperata</i>		Y	S4	G5		2	L
western sweet-cicely	<i>Osmorhiza occidentalis</i>		Y	S3S4	G4G5		1	M
purple sweet-cicely	<i>Osmorhiza purpurea</i>		Y	S5	G4G5		3	S
western oxypolis	<i>Oxypolis occidentalis</i>		R	S2	G4?		3?	D1 S
Gairdner's yampah	<i>Perideridia gairdneri</i>		Y	S3S4	G5		1	S
snake-root sanicle	<i>Sanicula arctopoides</i>		R	S1	G5	E	1	S
purple sanicle	<i>Sanicula bipinnatifida</i>		R	S2	G5	T	1	D1 S
Pacific sanicle	<i>Sanicula crassicaulis</i>	<i>var. crassicaulis</i>	Y	S4	G5T4T5		1	S
Sierra sanicle	<i>Sanicula graveolens</i>		Y	S3S4	G4G5		1	S
black sanicle	<i>Sanicula marilandica</i>		Y	S3S4	G5		2	L
hemlock water- parsnip	<i>Sium suave</i>		Y	S5	G5		2	L

California hedge- parsley	<i>Yabea microcarpa</i>		R	S1	G5?	1		S
heart-leaved Alexanders	<i>Zizia aptera</i>		Y	S4	G5	1		L
	Araliaceae							
wild sarsaparilla	<i>Aralia nudicaulis</i>		Y	S4	G5	2		L
devil's club	<i>Oplopanax horridus</i>		Y	S5	G4	4		S
	Cornaceae							
bunchberry	<i>Cornus canadensis</i>		Y	S5	G5	2		L
western flowering dogwood	<i>Cornus nuttallii</i>		Y	S5	G5	3		S
red-osier dogwood	<i>Cornus stolonifera</i>		Y	S5	G5	2		L
dwarf bog bunchberry	<i>Cornus suecica</i>		B	S2S3	G5	1		L
	DIAPENSIALES							
	Diapensiaceae							
diapensia	<i>Diapensia lapponica</i>	<i>ssp. obovata</i>	B	S2S3	G5T5	1		L
	ERICALES							
	Empetraceae							
crowberry	<i>Empetrum nigrum</i>		Y	S4	G5	2		L
	Ericaceae							
bog-rosemary	<i>Andromeda polifolia</i>		Y	S4	G5	2		L
arbutus	<i>Arbutus menziesii</i>		Y	S5	G5	1		S
alpine bearberry	<i>Arctostaphylos alpina</i>	<i>var. alpina</i>	Y	S4	G5T3T5	1	1	L
alpine bearberry	<i>Arctostaphylos alpina</i>	<i>var. rubra</i>	Y	S4	G5	1	1	L
hairy manzanita	<i>Arctostaphylos columbiana</i>		Y	S3S4	G5	3		S
kinnikinnick	<i>Arctostaphylos uva-ursi</i>		Y	S5	G5	2		L
club-moss mountain- heather	<i>Cassiope lycopodioides</i>		Y	S3S4	G4	2		L
white mountain- heather	<i>Cassiope mertensiana</i>	<i>var. mertensiana</i>	Y	S5	G5T5	5		S
four-angled mountain- heather	<i>Cassiope tetragona</i>	<i>var. saximontana</i>	Y	S4	G5T4T5	4		S
four-angled mountain- heather	<i>Cassiope tetragona</i>	<i>var. tetragona</i>	Y	S4	G5T5	2	2	L
leatherleaf	<i>Chamaedaphne calyculata</i>		Y	S3S4	G5	2		L
copperbush	<i>Elliottia pyroliflorus</i>		Y	S5	G5?	5		S
creeping-snowberry	<i>Gaultheria hispidula</i>		Y	S4	G5	1		L
alpine-wintergreen	<i>Gaultheria humifusa</i>		Y	S3S4	G5	3		M
western tea-berry	<i>Gaultheria ovatifolia</i>		Y	S4	G5	3		S
salal	<i>Gaultheria shallon</i>		Y	S5	G5	3		S
Alaskan mountain- heather	<i>Harrimanella stelleriana</i>		Y	S4	G5?	3		L
western bog-laurel	<i>Kalmia microphylla</i>	<i>ssp. microphylla</i>	Y	S4	G5T5	4	4	M
western bog-laurel	<i>Kalmia microphylla</i>	<i>ssp. occidentalis</i>	Y	S4	G5TNR	4	4	S
trapper's tea	<i>Ledum glandulosum</i>		Y	S4	G5	3		S

Labrador tea	<i>Ledum groenlandicum</i>		Y	S5	G5		2		L
northern Labrador tea	<i>Ledum palustre</i>	<i>ssp. decumbens</i>	Y	S4	G5T5			1	M
alpine-azalea	<i>Loiseleuria procumbens</i>		Y	S4	G5		1		L
false azalea	<i>Menziesia ferruginea</i>	<i>ssp. ferruginea</i>	Y	S5	G5T5			4	S
false azalea	<i>Menziesia ferruginea</i>	<i>ssp. glabella</i>	Y	S5	G5TNR			4	S
bog cranberry	<i>Oxycoccus oxycoccus</i>		Y	S4	G5		2		L
pink mountain-heather	<i>Phyllodoce empetriformis</i>		Y	S4	G5		4		M
yellow mountain-heather	<i>Phyllodoce glanduliflora</i>		Y	S4	G4G5		4		S
white-flowered rhododendron	<i>Rhododendron albiflorum</i>		Y	S5	G4		5		S
Lapland rosebay	<i>Rhododendron lapponicum</i>		Y	S3S4	G5		1		L
	<i>Rhododendron macrophyllum</i>		Y	S4	G5	NAR	1		S
Pacific rhododendron	<i>Alaskan blueberry</i>	<i>Vaccinium alaskaense</i>	Y	S5	GNR		4		S
dwarf blueberry	<i>Vaccinium caespitosum</i>		Y	S5	G5		3		L
blue-leaved huckleberry	<i>Vaccinium deliciosum</i>		Y	S5	G4		4		S
blue huckleberry	<i>Vaccinium globulare</i>		Y	S4	GNRQ		1		S
black huckleberry	<i>Vaccinium membranaceum</i>		Y	S5	G5		5		M
velvet-leaved blueberry	<i>Vaccinium myrtilloides</i>		Y	S4	G5		1		M
low bilberry	<i>Vaccinium myrtillus</i>		Y	S3S4	G5		3		S
oval-leaved blueberry	<i>Vaccinium ovalifolium</i>		Y	S5	G5		5		M
evergreen huckleberry	<i>Vaccinium ovatum</i>		Y	S4	G4		4		S
red huckleberry	<i>Vaccinium parvifolium</i>		Y	S5	G5		5		S
grouseberry	<i>Vaccinium scoparium</i>		Y	S5	G5		3		
bog blueberry	<i>Vaccinium uliginosum</i>	<i>ssp. occidentale</i>	Y	S4	GNR			2	L
bog blueberry	<i>Vaccinium uliginosum</i>	<i>ssp. pubescens</i>	Y	S4	G5TNR			2	L
lingonberry	<i>Vaccinium vitis-idaea</i>	<i>ssp. minus</i>	Y	S5	G5T5			2	L
Monotropaceae									
candystick	<i>Allotropa virgata</i>		Y	S3S4	G4		1		S
gnome-plant	<i>Hemitomes congestum</i>		Y	S3S4	G4		3		S
pinemap	<i>Monotropa hypopithys</i>		Y	S3S4	G5		2		L
indian-pipe	<i>Monotropa uniflora</i>		Y	S4	G5		1		L
fringed pinemap	<i>Pleuricospora fimbriolata</i>	historical only	R	SH	G4		1		S
pinemap	<i>Pterospora andromedea</i>		Y	S3S4	G5		1		L
Pyrolaceae									
Menzies' pipsissewa	<i>Chimaphila menziesii</i>		Y	S3S4	G5		3		S
prince's pine	<i>Chimaphila umbellata</i>	<i>ssp. occidentalis</i>	Y	S5	G5T5			3	M
single delight	<i>Moneses uniflora</i>		Y	S4	G5		2		L
one-sided wintergreen	<i>Orthilia secunda</i>	<i>var. obtusata</i>	Y	S5	GNR			1	L

one-sided								
wintergreen	<i>Orthilia secunda</i>	<i>var. secunda</i>	Y	S5	G5T5		2	L
pink wintergreen	<i>Pyrola asarifolia</i>		Y	S5	G5		2	L
green wintergreen	<i>Pyrola chlorantha</i>		Y	S5	G5		2	L
white wintergreen	<i>Pyrola elliptica</i>		B	S2S3	G5		1	L
arctic wintergreen	<i>Pyrola grandiflora</i>		Y	S3S4	G5		1	L
lesser wintergreen	<i>Pyrola minor</i>		Y	S4	G5		2	L
white-veined								
wintergreen	<i>Pyrola picta</i>		Y	S4	G4G5		1	M
	PRIMULALES							
	Primulaceae							
chaffweed	<i>Anagallis minima</i>		B	S2S3	G5		1	L
sweet-flowered fairy-candelabra	<i>Androsace chamaejasme</i>	<i>ssp. lehmanniana</i>	B	S2S3	G5T5		1	L
western fairy-candelabra	<i>Androsace occidentalis</i>		Y	S3S4	G5		1	L
northern fairy-candelabra	<i>Androsace septentrionalis</i>		Y	S4	G5		2	L
slimpod	<i>Dodecatheon conjugens</i>	<i>ssp. conjugens</i>	Y	S5	G5T3T5		1	S
slimpod	<i>Dodecatheon conjugens</i>	<i>ssp. viscidum</i>	Y	S5	G5T3T5		1	S
white shootingstar	<i>Dodecatheon dentatum</i>	<i>ssp. dentatum</i>	Y	S3S4	G4T4		1	S
northern shootingstar	<i>Dodecatheon frigidum</i>		Y	S4	G4G5		1	S
broad-leaved								
shootingstar	<i>Dodecatheon hendersonii</i>	<i>ssp. hendersonii</i>	Y	S5	G5T5		1	S
Jeffrey's shootingstar	<i>Dodecatheon jeffreyi</i>	<i>ssp. jeffreyi</i>	Y	S4	G5T3T5		3	S
pretty shootingstar	<i>Dodecatheon pulchellum</i>	<i>ssp. cusickii</i>	Y	S5	G5T5		3	S
pretty shootingstar	<i>Dodecatheon pulchellum</i>	<i>ssp. pulchellum</i>	Y	S5	G5T5		1	L
Alaska rockjasmine	<i>Douglasia alaskana</i>		R	SU	G3		1	S
Gorman's douglasia	<i>Douglasia gormanii</i>		B	S2S3	G4		1	S
smooth douglasia	<i>Douglasia laevigata</i>	<i>var. ciliolata</i>	B	S2S3	G3T3		4	S
sea-milkwort	<i>Glaux maritima</i>	<i>ssp. maritima</i>	Y	S5	G5T5		1	L
sea-milkwort	<i>Glaux maritima</i>	<i>ssp. obtusifolia</i>	Y	S5	G5T5		1	L
fringed loosestrife	<i>Lysimachia ciliata</i>		Y	S5	G5		1	L
tufted loosestrife	<i>Lysimachia thyrsiflora</i>		Y	S4	G5		2	L
wedge-leaf primrose	<i>Primula cuneifolia</i>	<i>ssp. saxifragifolia</i>	B	S2S3	G5TNR		1	L
Greenland primrose	<i>Primula egaliksensis</i>		Y	S3S4	G4		1	M
mealy primrose	<i>Primula incana</i>		Y	S3S4	G4G5		3	M
Mistassini primrose	<i>Primula mistassinica</i>		Y	S3S4	G5		1	L
Siberian primrose	<i>Primula nutans</i>		R	SH	G5		1	S
upright primrose	<i>Primula stricta</i>		B	S2S3	G4		1	L
broad-leaved								
starflower	<i>Trientalis borealis</i>	<i>ssp. latifolia</i>	Y	S3S4	G5T5		1	S
northern starflower	<i>Trientalis europaea</i>	<i>ssp. arctica</i>	Y	S4	G5T5		2	L
	PLUMBAGINALES							
	Plumbaginaceae							
thrift	<i>Armeria maritima</i>	<i>ssp. californica</i>	Y	S3S4	G5T3T5		1	S

thrift	<i>Armeria maritima</i>	<i>ssp. sibirica</i>	Y	S3S4	G5T5		1	L
GENTIANALES								
Apocynaceae								
<i>Apocynum</i>								
spreading dogbane	<i>androsaemifolium</i>	<i>var. androsaemifolium</i>	Y	S5	G5T5		1	L
<i>Apocynum</i>								
spreading dogbane	<i>androsaemifolium</i>	<i>var. pumilum</i>	Y	S5	G5TNR		1	S
hemp	<i>Apocynum cannabinum</i>		Y	S4	G5		1	L
western dogbane	<i>Apocynum x floribundum</i>		B	S2S3	GNA		1	L
Asclepiadaceae								
showy milkweed	<i>Asclepias speciosa</i>		Y	S5	G5		1	L
Gentianaceae								
western centaury	<i>Centaureum exaltatum</i>		R	S1	G5		1	S
Muhlenberg's centaury	<i>Centaureum muehlenbergii</i>		R	S1	G5?		1	S
prairie gentian	<i>Gentiana affinis</i>		B	S2S3	G5		1	L
mountain bog gentian	<i>Gentiana calycosa</i>		B	S2S3	G4		1	M
swamp gentian	<i>Gentiana douglasiana</i>		Y	S5	G4		4	S
glaucous gentian	<i>Gentiana glauca</i>		Y	S4	G4G5		2	L
broad-petalled gentian	<i>Gentiana platypetala</i>		Y	S4	G4		3	S
moss gentian	<i>Gentiana prostrata</i>		Y	S3S4	G4G5		1	M
king gentian	<i>Gentiana sceptrum</i>		Y	S5	G4		5	S
northern gentian	<i>Gentianella amarella</i>	<i>ssp. acuta</i>	Y	S5	G5T5		2	L
four-parted gentian	<i>Gentianella propinqua</i>	<i>ssp. propinqua</i>	Y	S4	G5T5?		2	M
slender gentian	<i>Gentianella tenella</i>	<i>ssp. tenella</i>	B	S2S3	G4G5T4		1	L
Macoun's fringed gentian	<i>Gentianopsis macounii</i>		R	S1S3	G5		1	M
spurred gentian	<i>Halenia deflexa</i>	<i>ssp. deflexa</i>	Y	S3S4	G5T5		1	L
marsh felwort	<i>Lomatogonium rotatum</i>		B	S2S3	G5		1	L
alpine bog swertia	<i>Swertia perennis</i>		Y	S3S4	G5		1	L
SOLANALES								
Convolvulaceae								
beach bindweed	<i>Convolvulus soldanella</i>		B	S3	G5		1	L
Cuscutaceae								
field dodder	<i>Cuscuta pentagona</i>		B	S2S3	G5		1	L
salt marsh dodder	<i>Cuscuta salina</i>		Y	S4	G5		1	S
Hydrophyllaceae								
dwarf hesperochiron	<i>Hesperochiron pumilus</i>		R	S1	G4		1	M
ballhead waterleaf	<i>Hydrophyllum capitatum</i>	<i>var. capitatum</i>	Y	S4	G4?T4?		1	S
Fendler's waterleaf	<i>Hydrophyllum fendleri</i>	<i>var. albifrons</i>	Y	S3S4	G4G5T4T5		1	S
Pacific waterleaf	<i>Hydrophyllum tenuipes</i>		B	S2S3	G4G5		1	S
Great Basin nemophila	<i>Nemophila breviflora</i>		Y	S3S4	G5		1	M

small-flowered								
nemophila	<i>Nemophila parviflora</i>	var. <i>parviflora</i>	Y	S5	G5T5?		1	S
meadow nemophila	<i>Nemophila pedunculata</i>		Y	S3S4	G5		1	S
Franklin's phacelia	<i>Phacelia franklinii</i>		Y	S3S4	G5		1	M
silverleaf phacelia	<i>Phacelia hastata</i>		Y	S5	G5		1	M
varied-leaf phacelia	<i>Phacelia heterophylla</i>		R	S1	G4G5		1	M
narrow-sepaled								
phacelia	<i>Phacelia leptosepala</i>		Y	S4	G4G5		3	S
thread-leaved								
phacelia	<i>Phacelia linearis</i>		Y	S5	G5		1	M
Lyall's phacelia	<i>Phacelia lyallii</i>		B	S2S3	G3		3	S
MacBryde's phacelia	<i>Phacelia mollis</i>		R	S1	G2G3		3	S
branched phacelia	<i>Phacelia ramosissima</i>		R	S1	G5?	E	1	S
silky phacelia	<i>Phacelia sericea</i>		Y	S5	G5		3	M
Sitka romanzoffia	<i>Romanzoffia sitchensis</i>		Y	S4	G4		3	S
Tracy's romanzoffia	<i>Romanzoffia tracyi</i>		B	S3	G4		3	S
	Menyanthaceae							
deer-cabbage	<i>Fauria crista-galli</i>		Y	S5	G5		5	3
buckbean	<i>Menyanthes trifoliata</i>		Y	S5	G5		2	L
	Polemoniaceae							
large-flowered								
collomia	<i>Collomia grandiflora</i>		Y	S4	G5		1	S
vari-leaved collomia	<i>Collomia heterophylla</i>		Y	S4	G4		1	S
narrow-leaved								
collomia	<i>Collomia linearis</i>		Y	S5	G5		2	L
slender collomia	<i>Collomia tenella</i>		R	S1	G4?	E	1	S
shy gilia	<i>Gilia sinuata</i>		R	SH	G5		1	S
slender gilia	<i>Gilia tenerrima</i>		R	S1	G5		1	S
scarlet gilia	<i>Ipomopsis aggregata</i>	var. <i>aggregata</i>	Y	S5	G5T4T5		3	S
small-flowered								
ipomopsis	<i>Ipomopsis minutiflora</i>		B	S3S4	G4		1	S
prickly phlox	<i>Leptodactylon pungens</i>		Y	S4	G5		1	M
bicoloured linanthus	<i>Linanthus bicolor</i>		Y	S4	G5		1	S
Harkness' linanthus	<i>Linanthus harknessii</i>		R	S1	G4?		1	S
northern linanthus	<i>Linanthus septentrionalis</i>		B	S2S3	G5		1	M
mountain navarretia	<i>Navarretia divaricata</i>	var. <i>divaricata</i>	R	S1	G5T3T5		1	S
needle-leaved								
navarretia	<i>Navarretia intertexta</i>		R	S2	G5		1	M
skunkweed	<i>Navarretia squarrosa</i>		Y	S4	G5		1	S
tufted phlox	<i>Phlox caespitosa</i>		Y	S4	G4		1	M
spreading phlox	<i>Phlox diffusa</i>	ssp. <i>longistylis</i>	Y	S5	G5T4		3	S
pink twink	<i>Phlox gracilis</i>	ssp. <i>gracilis</i>	Y	S5	G5T5		1	M
pink twink	<i>Phlox gracilis</i>	ssp. <i>humilis</i>	Y	S5	G5T5		1	M
Hood's Phlox	<i>Phlox hoodii</i>	ssp. <i>canescens</i>		SNR	G5T3T5		1	M
long-leaved phlox	<i>Phlox longifolia</i>		Y	S4	G5		1	M
showy phlox	<i>Phlox speciosa</i>	ssp. <i>occidentalis</i>	R	S1	G5TNR	T	1	S

tall Jacob's-ladder	<i>Polemonium acutiflorum</i>		Y	S5	G5		2		S
northern Jacob's-ladder	<i>Polemonium boreale</i>		B	S2S3	G5		1		L
elegant Jacob's-ladder	<i>Polemonium elegans</i>		B	S2S3	G4		4		S
littlebells polemonium	<i>Polemonium micranthum</i>		Y	S4	G5		1		L
western Jacob's-ladder	<i>Polemonium occidentale</i>	<i>ssp. occidentale</i>	B	S2S3	G5?T5?			3	M
showy Jacob's-ladder	<i>Polemonium pulcherrimum</i>	<i>var. pulcherrimum</i>	Y	S5	G5T5			4	S
sky pilot	<i>Polemonium viscosum</i>		Y	S3S4	G5		1		M
Solanaceae									
wild tobacco	<i>Nicotiana attenuata</i>		R	S1	G4		1		L
LAMIALES									
Boraginaceae									
common fiddleneck	<i>Amsinckia intermedia</i>		Y	S4	G5?		1		M
bugloss fiddleneck	<i>Amsinckia lycopsoides</i>		Y	S3S4	G4?		1		L
small-flowered fiddleneck	<i>Amsinckia menziesii</i>		Y	S5	G5		1		L
rigid fiddleneck	<i>Amsinckia retrorsa</i>		R	S1	G5		1		S
seaside fiddleneck	<i>Amsinckia spectabilis</i>		Y	S3S4	G4G5		1		S
common cryptantha	<i>Cryptantha affinis</i>		Y	S3S4	G4		1		M
obscure cryptantha	<i>Cryptantha ambigua</i>		R	S2	G4		1		M
cockscomb									
cryptantha	<i>Cryptantha celosioides</i>		R	S1	G5		1		M
Fendler's cat's-eye	<i>Cryptantha fendleri</i>			SNR	G4		1		M
large flower cat's-eye	<i>Cryptantha intermedia</i>	<i>var. grandiflora</i>		SNR	G5			1	S
Torrey's cryptantha	<i>Cryptantha torreyana</i>		Y	S3S4	G5		1		M
Watson's cryptantha	<i>Cryptantha watsonii</i>		R	S1	G5		1		S
northern hound's-tongue	<i>Cynoglossum boreale</i>		Y	S3S4	G4G5		1		L
Okanogan stickseed	<i>Hackelia ciliata</i>		R	S1	G3?		1		S
nodding stickseed	<i>Hackelia deflexa</i>	<i>ssp. americana</i>	Y	S4	G5T5			1	L
spreading stickseed	<i>Hackelia diffusa</i>		B	S2S3	G4		4		D1 S
many-flowered stickseed	<i>Hackelia floribunda</i>		Y	S4	G5?		1		L
blue stickseed	<i>Hackelia micrantha</i>		Y	S4	G5		1		M
western stickseed	<i>Lappula occidentalis</i>	<i>var. cupulata</i>	R	S1	G5T5			1	L
western stickseed	<i>Lappula occidentalis</i>	<i>var. occidentalis</i>	Y	S5	G5T5			1	L
yellow gromwell	<i>Lithospermum incisum</i>		Y	S3S4	G5		1		L
lemonweed	<i>Lithospermum ruderae</i>		Y	S5	G5		1		M
long-flowered									
bluebells	<i>Mertensia longiflora</i>		Y	S4	G4G5		3		S
sea bluebells	<i>Mertensia maritima</i>		B	S2S3	G5		1		M

tall bluebells	<i>Mertensia paniculata</i>	<i>var. borealis</i>	B	S2S3	G5T3T4		1	S	
tall bluebells	<i>Mertensia paniculata</i>	<i>var. paniculata</i>	Y	S4	G5T5		1	M	
mountain forget-me-not	<i>Myosotis asiatica</i>		Y	S5	G5		2	L	
small-flowered forget-me-not	<i>Myosotis laxa</i>		Y	S5	G5		2	L	
spring forget-me-not	<i>Myosotis verna</i>		Y	S3S4	G5		1	L	
winged combseed	<i>Pectocarya penicillata</i>		R	S1	G5		1	L	
fragrant popcornflower	<i>Plagiobothrys figuratus</i>		R	S1	G4		1	S	
Scouler's popcornflower	<i>Plagiobothrys scouleri</i>		Y	S4	G5		1	L	
slender popcornflower	<i>Plagiobothrys tenellus</i>		R	S2	G4G5		1	S	
Lamiaceae									
nettle-leaved giant-hyssop	<i>Agastache urticifolia</i>		B	S3	G5		1	S	
yerba buena	<i>Clinopodium douglasii</i>		Y	S5	G4		1	S	
American dragonhead	<i>Dracocephalum parviflorum</i>		Y	S3S4	G5		1	L	
mock-pennyroyal	<i>Hedeoma hispida</i>		R	S1	G5		1	L	
cut-leaved water horehound	<i>Lycopus americanus</i>		Y	S4	G5		1	L	
rough water horehound	<i>Lycopus asper</i>		Y	S3S4	G5		1	L	
northern water horehound	<i>Lycopus uniflorus</i>		Y	S4	G5		2	L	
field mint	<i>Mentha arvensis</i>		Y	S5	G5		2	L	
wild bergamot	<i>Monarda fistulosa</i>	<i>var. menthaefolia</i>	Y	S4	G5T5		1	L	
wild bergamot	<i>Monarda fistulosa</i>	<i>var. mollis</i>	Y	S4	G5T5?		1	L	
monardella	<i>Monardella odoratissima</i>	<i>ssp. odoratissima</i>	R	S1	G4G5T3T5		1	S	
purple dragonhead	<i>Physostegia parviflora</i>		Y	S3S4	G4G5		1	M	
self-heal	<i>Prunella vulgaris</i>	<i>ssp. lanceolata</i>	Y	S5	G5T5		2	L	
narrow-leaved skullcap	<i>Scutellaria angustifolia</i>		B	S2S3	G5		1	S	
marsh skullcap	<i>Scutellaria galericulata</i>		Y	S4	G5		2	L	
blue skullcap	<i>Scutellaria lateriflora</i>		Y	S3S4	G5		1	L	
Cooley's hedge-nettle	<i>Stachys chamissonis</i>	<i>var. cooleyae</i>	Y	S5	G4G5TNR		4	S	
Mexican hedge-nettle	<i>Stachys mexicana</i>		Y	S3S4	G5		1	S	
swamp hedge-nettle	<i>Stachys palustris</i>	<i>ssp. pilosa</i>	Y	S3S4	G5		1	L	
American germander	<i>Teucrium canadense</i>	<i>var. occidentale</i>	Y	S3S4	G5T5?		1	L	
mountain blue-curls	<i>Trichostema oblongum</i>		R	S1	G5		1	S	
Verbenaceae									
bracted vervain	<i>Verbena bracteata</i>		Y	S4	G5		1	L	

blue vervain	<i>Verbena hastata</i>	var. <i>scabra</i>	R	S2	G5T5		1		L
SCROPHULARIALES									
Lentibulariaceae									
hairy butterwort	<i>Pinguicula villosa</i>		B	S2S3	G4		1		S
common butterwort	<i>Pinguicula vulgaris</i>	ssp. <i>macroceras</i>	Y	S3S4	G5T4Q			1	L
common butterwort	<i>Pinguicula vulgaris</i>	ssp. <i>vulgaris</i>	Y	S4	G5			1	L
humped bladderwort	<i>Utricularia gibba</i>		Y	S3S4	G5		1		L
flat-leaved bladderwort	<i>Utricularia intermedia</i>		Y	S4	G5		2		L
greater bladderwort	<i>Utricularia macrorhiza</i>		Y	S5	G5		2		L
lesser bladderwort	<i>Utricularia minor</i>		Y	S5	G5		2		L
ochroleucous bladderwort	<i>Utricularia ochroleuca</i>		R	S1	G4?		1		L
Oleaceae									
Oregon ash	<i>Fraxinus latifolia</i>		R	S1	G5		1		S
Orobanchaceae									
Vancouver groundcone	<i>Boschniakia hookeri</i>		Y	S4	G5		4		S
northern groundcone	<i>Boschniakia rossica</i>		Y	S5	G5		1		L
California broomrape	<i>Orobanche californica</i>	ssp. <i>californica</i>	Y	S4	G4T4			1	S
flat-topped broomrape	<i>Orobanche corymbosa</i>	ssp. <i>mutabilis</i>	R	S2	G4T3?			4	S
clustered broomrape	<i>Orobanche fasciculata</i>		Y	S4	G4		1		L
Suksdorf's broomrape	<i>Orobanche ludoviciana</i>	ssp. <i>ludoviciana</i>	R	S1	G5T5			1	L
pine broomrape	<i>Orobanche pinorum</i>		R	S1	G4		1		S
naked broomrape	<i>Orobanche uniflora</i>		Y	S5	G5		1		L
Scrophulariaceae									
Wyoming kitten-tails	<i>Besseya wyomingensis</i>		B	S2S3	G5		1		S
paintbrush owl-clover	<i>Castilleja ambigua</i>	ssp. <i>ambigua</i>	R	S2	G4T3T4			3	S
narrow-leaved owl-clover	<i>Castilleja attenuata</i>		Y	S4	G5		1		L
deer paintbrush	<i>Castilleja cervina</i>		Y	S4	G4		6		S
Cusick's paintbrush	<i>Castilleja cusickii</i>		R	S1	G4G5		1		S
Elmer's paintbrush	<i>Castilleja elmeri</i>		Y	S4	G4		4		S
harsh paintbrush	<i>Castilleja hispida</i>	var. <i>hispida</i>	Y	S4	G5T4?			3	S
northern paintbrush	<i>Castilleja hyperborea</i>		B	S2S3	G3G5		1		L
golden paintbrush	<i>Castilleja levisecta</i>		R	S1	G1	E	3		S
yellowish paintbrush	<i>Castilleja lutescens</i>		Y	S3S4	G4G5		3		S
scarlet paintbrush	<i>Castilleja miniata</i>		Y	S5	G5		2		M
annual paintbrush	<i>Castilleja minor</i>	ssp. <i>minor</i>	R	S1	G5T5			1	M
western paintbrush	<i>Castilleja occidentalis</i>		Y	S3S4	G5		3		S
small-flowered paintbrush	<i>Castilleja parviflora</i>		Y	S4	G5?		4		S
Raup's paintbrush	<i>Castilleja raupii</i>		Y	S3S4	G5?		1		S
alpine paintbrush	<i>Castilleja rhexiifolia</i>		Y	S3S4	G5?		3		M

cliff paintbrush	<i>Castilleja rupicola</i>		R	S2	G3	T	3		S
sulphur paintbrush	<i>Castilleja sulphurea</i>		Y	S4	G5?		1		M
hairy owl-clover	<i>Castilleja tenuis</i>		R	S1	G5		1		S
Thompson's paintbrush	<i>Castilleja thompsonii</i>		Y	S4	G4		2		S
Unalaska paintbrush	<i>Castilleja unalaschcensis</i>		Y	S5	G4G5		2		S
large-flowered blue- eyed Mary	<i>Collinsia grandiflora</i>		Y	S4	G5		3		S
small-flowered blue- eyed Mary	<i>Collinsia parviflora</i>		Y	S5	G5		2		L
arctic eyebright	<i>Euphrasia subarctica</i>		Y	S3S4	G5		1		S
bractless hedge- hyssop	<i>Gratiola ebracteata</i>		Y	S4	G4		1		S
American hedge- hyssop	<i>Gratiola neglecta</i>		Y	S3S4	G5		1		L
water mudwort	<i>Limosella aquatica</i>		Y	S3S4	G5		1		L
blue toadflax	<i>Linaria canadensis</i>	<i>var. texana</i>	B	S3	G4G5T4T5			1	M
false-pimpernel	<i>Lindernia dubia</i>	<i>var. anagallidea</i>	B	S2S3	G5T4			1	L
cow-wheat	<i>Melampyrum lineare</i>	<i>var. lineare</i>	Y	S4	G5T5			2	L
chickweed monkey- flower	<i>Mimulus alsinoides</i>		Y	S3S4	G5		3		S
short-flowered monkey-flower	<i>Mimulus breviflorus</i>		R	S1	G4		1		S
Brewer's monkey- flower	<i>Mimulus breweri</i>		B	S2S3	G5		1		M
tooth-leaved monkey- flower	<i>Mimulus dentatus</i>		R	S2	G5		1		S
purple-stemmed monkey-flower	<i>Mimulus floribundus</i>		Y	S3S4	G5		1		M
yellow monkey-flower	<i>Mimulus guttatus</i>		Y	S5	G5		2		L
pink monkey-flower	<i>Mimulus lewisii</i>		Y	S4	G5		3		M
musk-flower	<i>Mimulus moschatus</i>		Y	S4	G5		1		L
mountain monkey- flower	<i>Mimulus tilingii</i>	<i>var. caespitosus</i>	Y	S4	G5T4T5			3	S
mountain monkey- flower	<i>Mimulus tilingii</i>	<i>var. tilingii</i>	Y	S4	G5T3T5			3	M
woodland penstemon	<i>Nothochelone nemorosa</i>		B	S2S3	G5		3		S
Grand Coulee owl- clover	<i>Orthocarpus barbatus</i>		R	S1	G2G4	E	1		S
rosy owl-clover	<i>Orthocarpus bracteosus</i>		R	S1	G3?	E	1		S
mountain owl-clover	<i>Orthocarpus imbricatus</i>		R	S1	G5		1		S
yellow owl-clover	<i>Orthocarpus luteus</i>		Y	S3S4	G5		1		L
thin-leaved owl- clover	<i>Orthocarpus tenuifolius</i>		Y	S3S4	G4G5		1		S

bracted lousewort	<i>Pedicularis bracteosa</i>	<i>var. bracteosa</i>	Y	S5	G5T5		4	S
bracted lousewort	<i>Pedicularis bracteosa</i>	<i>var. latifolia</i>	Y	S3S4	G5T3T5		3	S
capitate lousewort	<i>Pedicularis capitata</i>		Y	S4	G5	1		L
coil-beaked lousewort	<i>Pedicularis contorta</i>	<i>var. contorta</i>	Y	S3S4	G5T4T5		1	S
elephant's-head lousewort	<i>Pedicularis groenlandica</i>		Y	S4	G4G5	1		L
Labrador lousewort	<i>Pedicularis labradorica</i>		Y	S4	G5	2		M
woolly lousewort	<i>Pedicularis lanata</i>	<i>ssp. lanata</i>	Y	S3S4	G4G5T4T5		1	L
Langsdorf's lousewort	<i>Pedicularis langsdorfii</i>	<i>ssp. arctica</i>	Y	S4	G5T5		2	S
Oeder's lousewort	<i>Pedicularis oederi</i>		Y	S3S4	G5	1		L
bird's-beak lousewort	<i>Pedicularis ornithorhyncha</i>		Y	S4	G4	4		S
small-flowered lousewort	<i>Pedicularis parviflora</i>	<i>ssp. parviflora</i>	B	S3	G4T4		3	S
sicketop lousewort	<i>Pedicularis racemosa</i>		Y	S4	G5	3		S
Sudeten lousewort	<i>Pedicularis sudetica</i>	<i>ssp. interior</i>	Y	S4	G5TNR		3	S
whorled lousewort	<i>Pedicularis verticillata</i>		B	S2S3	G4	1		L
Alberta penstemon	<i>Penstemon albertinus</i>		Y	S3S4	G4G5	3		S
yellow penstemon	<i>Penstemon confertus</i>		Y	S4	G4	3		S
Davidson's penstemon	<i>Penstemon davidsonii</i>	<i>var. davidsonii</i>	Y	S3S4	G4G5T3T5		1	S
Davidson's penstemon	<i>Penstemon davidsonii</i>	<i>var. menziesii</i>	Y	S4	G4G5T3T5		5	S
oval-leaved penstemon	<i>Penstemon ellipticus</i>		Y	S3S4	G4	3		S
fuzzy-tongued penstemon	<i>Penstemon eriantherus</i>	<i>var. eriantherus</i>	Y	S3S4	G4T4		1	S
shrubby penstemon	<i>Penstemon fruticosus</i>	<i>var. fruticosus</i>	Y	S5	G4T4		3	S
shrubby penstemon	<i>Penstemon fruticosus</i>	<i>var. scouleri</i>	Y	S5	G4T4		5	S
Gorman's penstemon	<i>Penstemon gormanii</i>		B	S2S3	G4	1		S
slender penstemon	<i>Penstemon gracilis</i>		R	S2	G5	1		S
Lyall's penstemon	<i>Penstemon lyallii</i>		Y	S3S4	G4	3		S
shining penstemon	<i>Penstemon nitidus</i>	<i>var. nitidus</i>	R	S1	G5T5		1	S
broad-leaved penstemon	<i>Penstemon ovatus</i>		Y	S3S4	G4	2		S
small-flowered penstemon	<i>Penstemon procerus</i>	<i>var. procerus</i>	Y	S5	G5T5?		2	M
small-flowered penstemon	<i>Penstemon procerus</i>	<i>var. tolmiei</i>	Y	S5	G5TNR		4	S
Chelan penstemon	<i>Penstemon pruinus</i>		Y	S3S4	G4	2		S
Richardson's penstemon	<i>Penstemon richardsonii</i>	<i>var. richardsonii</i>	Y	S3S4	G4T4		2	S
coast penstemon	<i>Penstemon serrulatus</i>		Y	S4	G4	2		S
yellow rattle	<i>Rhinanthus minor</i>		Y	S4	G5	3		S

California figwort	<i>Scrophularia californica</i>	<i>var. oregana</i>	Y	S4	G5T4		3		S
lance-leaved figwort	<i>Scrophularia lanceolata</i>		B	S2S3	G5		1		L
small-flowered tonella	<i>Tonella tenella</i>		R	S1	G5	E	1		S
dwarf owl-clover	<i>Triphysaria pusilla</i>		Y	S4	G5		1		S
bearded owl-clover	<i>Triphysaria versicolor</i>	<i>ssp. versicolor</i>	R	S1	G5T5	E		1	D1
American speedwell	<i>Veronica beccabunga</i>	<i>var. americana</i>	Y	S5	GNR			2	L
pink water speedwell	<i>Veronica catenata</i>		R	S1	G5		1		L
Cusick's speedwell	<i>Veronica cusickii</i>		Y	S3S4	G5		1		S
purslane speedwell	<i>Veronica peregrina</i>	<i>var. xalapensis</i>	Y	S4	G5T5			2	L
marsh speedwell	<i>Veronica scutellata</i>		Y	S3S4	G5		2		L
thyme-leaved speedwell	<i>Veronica serpyllifolia</i>	<i>var. humifusa</i>	Y	S4	G5T5?			2	L
alpine speedwell	<i>Veronica wormskjoldii</i>	<i>var. wormskjoldii</i>	Y	S5	G4G5T4T5			3	L
PLANTAGINALES									
Plantaginaceae									
arctic plantain	<i>Plantago canescens</i>		R	S1S3	G4G5		1		L
slender plantain	<i>Plantago elongata</i>		Y	S4	G4		3		D1
alkali plantain	<i>Plantago eriopoda</i>		R	S1	G5		1		L
Alaska plantain	<i>Plantago macrocarpa</i>		Y	S3S4	G4		4		S
sea plantain	<i>Plantago maritima</i>	<i>ssp. juncooides</i>	Y	S5	G5T5			1	L
woolly plantain	<i>Plantago patagonica</i>		Y	S4	G5		1		L
Seneca-snakeroot	<i>Polygala senega</i>		R	S1	G4G5		1		L
RUBIALES									
Rubiaceae									
cleavers	<i>Galium aparine</i>		Y	S5	G5		1		L
thin-leaved bedstraw	<i>Galium bifolium</i>		Y	S3S4	G5		1		M
northern bedstraw	<i>Galium boreale</i>		Y	S5	G5		2		L
boreal bedstraw	<i>Galium kamtschaticum</i>		Y	S3S4	G5		1		L
northern bog bedstraw	<i>Galium labradoricum</i>		B	S2S3	G5		1		L
rough bedstraw	<i>Galium mexicanum</i>	<i>ssp. asperulum</i>	R	S1	G5T3T5			1	S
multi-flowered bedstraw	<i>Galium multiflorum</i>		R	S1	G5		1		S
small bedstraw	<i>Galium trifidum</i>	<i>ssp. columbianum</i>	Y	S5	G5T4T5			1	L
small bedstraw	<i>Galium trifidum</i>	<i>ssp. subbiflorum</i>	Y	S4	G5T5			2	M
small bedstraw	<i>Galium trifidum</i>	<i>ssp. trifidum</i>	B	S2S3	G5T5			1	L
sweet-scented bedstraw	<i>Galium triflorum</i>		Y	S5	G5		2		L
DIPSACALES									
Adoxaceae									
moschatel	<i>Adoxa moschatellina</i>		Y	S3S4	G5		2		L
Caprifoliaceae									
twinflower	<i>Linnaea borealis</i>	<i>ssp. borealis</i>	Y	S3S4	G5T5			2	L
twinflower	<i>Linnaea borealis</i>	<i>ssp. longiflora</i>	Y	S5	G5T5			3	S
bluefly honeysuckle	<i>Lonicera caerulea</i>	<i>var. cauriana</i>	Y	S5	G5T5			1	M

western trumpet glaucous-leaved honeysuckle	<i>Lonicera ciliosa</i>		Y	S5	G5	3		S
hairy honeysuckle	<i>Lonicera dioica</i>	<i>var. glaucescens</i>	Y	S4	G5T5		1	L
black twinberry	<i>Lonicera hispidula</i>		Y	S5	G4	3		S
Utah honeysuckle	<i>Lonicera involucrata</i>		Y	S5	G4G5	3		L
blue elderberry	<i>Lonicera utahensis</i>		Y	S5	G5	3		S
	<i>Sambucus cerulea</i>	<i>var. cerulea</i>	Y	S5	G5?T5?		1	L
coastal red elderberry	<i>Sambucus racemosa</i>	<i>var. arborescens</i>	Y	S5	GNR		2	S
eastern red elderberry	<i>Sambucus racemosa</i>	<i>var. leucocarpa</i>	Y	S3S4	G5TNR		1	L
black elderberry	<i>Sambucus racemosa</i>	<i>var. melanocarpa</i>	Y	S5	G5T3T5		1	M
common snowberry	<i>Symphoricarpos albus</i>	<i>var. albus</i>	Y	S3S4	G5T5		1	L
common snowberry	<i>Symphoricarpos albus</i>	<i>var. laevigatus</i>	Y	S5	G5T5		3	L
trailing snowberry	<i>Symphoricarpos hesperius</i>		Y	S5	G5	1		S
	<i>Symphoricarpos</i>							
western snowberry	<i>occidentalis</i>		Y	S4	G5	1		L
mountain snowberry	<i>Symphoricarpos oreophilus</i>	<i>var. utahensis</i>	Y	S5	G5T5?		1	M
highbush-cranberry	<i>Viburnum edule</i>		Y	S4	G5	2		L
American bush- cranberry	<i>Viburnum opulus</i>	<i>var. americanum</i>	Y	S3S4	G5T5		1	L
Valerianaceae								
sea blush	<i>Plectritis congesta</i>	<i>var. congesta</i>	Y	S5	G5T5?		3	S
sea blush	<i>Plectritis congesta</i>	<i>var. major</i>	Y	S5	G5T5?		1	S
long-spurred plectritis	<i>Plectritis macrocera</i>		Y	S3S4	G5	1		S
capitate valerian	<i>Valeriana capitata</i>		Y	S3S4	G5	1		L
marsh valerian	<i>Valeriana dioica</i>	<i>ssp. sylvatica</i>	Y	S4	G5T4T5		3	M
edible valerian	<i>Valeriana edulis</i>	<i>ssp. edulis</i>	R	S1	G5T5		1	M
Scouler's valerian	<i>Valeriana scouleri</i>		Y	S3S4	G4	1		S
Sitka valerian	<i>Valeriana sitchensis</i>		Y	S5	G5	4		M
CAMPANULALES								
Campanulaceae								
Alaskan harebell	<i>Campanula aurita</i>		Y	S4	G4	1		S
mountain harebell	<i>Campanula lasiocarpa</i>		Y	S5	G5	2		L
common harebell	<i>Campanula rotundifolia</i>		Y	S5	G5	2		L
Scouler's harebell	<i>Campanula scouleri</i>		Y	S5	G5	1		S
arctic harebell	<i>Campanula uniflora</i>		Y	S3S4	G4	1		L
common downingia	<i>Downingia elegans</i>		R	SX	G5	1		S
common bluecup	<i>Githopsis specularioides</i>		B	S2S3	G5	1		S
heterocodon	<i>Heterocodon rariflorum</i>		B	S3	G5	1		S
water lobelia	<i>Lobelia dortmanna</i>		Y	S5	G4G5	1		L
Kalm's lobelia	<i>Lobelia kalmii</i>		Y	S4	G5	1		L
Venus' looking-glass	<i>Triodanis perfoliata</i>	<i>var. perfoliata</i>	Y	S3S4	G5T5		1	L

ASTERALES

Asteraceae

	<i>Achillea millefolium</i>					2		L
yarrow	<i>Achillea millefolium</i>	<i>var. alpicola</i>	Y	S5	G5T5		2	M
yarrow	<i>Achillea millefolium</i>	<i>var. borealis</i>	Y	S5	G5T5		2	M
yarrow	<i>Achillea millefolium</i>	<i>var. lanulosa</i>	Y	S5	G5T5		2	L?
yarrow	<i>Achillea millefolium</i>	<i>var. pacifica</i>	Y	S5	G5T5		2	S
Siberian yarrow	<i>Achillea sibirica</i>		Y	S4	G5?		1	L
pathfinder	<i>Adenocaulon bicolor</i>		Y	S5	G5?		1	S
orange agoseris	<i>Agoseris aurantiaca</i>	<i>ssp. aurantiaca</i>	Y	S4	G5T4T5		3	M
tall agoseris	<i>Agoseris elata</i>		R	S1S2	G4		1	S
short-beaked agoseris	<i>Agoseris glauca</i>	<i>var. dasycephala</i>	Y	S4	G5T5		3	M
large-flowered agoseris	<i>Agoseris grandiflora</i>		Y	S3S4	G5		1	S
annual agoseris	<i>Agoseris heterophylla</i>	<i>ssp. heterophylla</i>	Y	S4	G5T5		1	S
pink agoseris	<i>Agoseris lackschewitzii</i>		B	S2S3	G4		3	S
silver burweed	<i>Ambrosia chamissonis</i>		Y	S5	G4G5		3	L
pearly everlasting	<i>Anaphalis margaritacea</i>		Y	S5	G5		2	L
alpine pussytoes	<i>Antennaria alpina</i>		Y	S5	G5		2	L
low pussytoes	<i>Antennaria dimorpha</i>		Y	S4	G5		1	M
stoloniferous pussytoes	<i>Antennaria flagellaris</i>		R	S1	G5?	E	1	S
Howell's pussytoes	<i>Antennaria howellii</i>	<i>ssp. canadensis</i>	Y	S3S4	G5T5?		2	L
Howell's pussytoes	<i>Antennaria howellii</i>	<i>ssp. howellii</i>	Y	S4	G5T5		2	L
woolly pussytoes	<i>Antennaria lanata</i>		Y	S5	G5		3	S
woodrush pussytoes	<i>Antennaria luzuloides</i>	<i>ssp. luzuloides</i>	Y	S3S4	G5T3T5		1	S
dark pussytoes	<i>Antennaria media</i>		Y	S5	G5		3	M
white pussytoes	<i>Antennaria microphylla</i>		Y	S3S4	G4G5		1	L
one-headed pussytoes	<i>Antennaria monocephala</i>		Y	S5	G4G5		3	L
field pussytoes	<i>Antennaria neglecta</i>		Y	S3S4	G5		1	L
Nuttall's pussytoes	<i>Antennaria parvifolia</i>		Y	S4	G5		2	L
showy pussytoes	<i>Antennaria pulcherrima</i>	<i>var. anaphaloides</i>	Y	S4	G5		3	S
showy pussytoes	<i>Antennaria pulcherrima</i>	<i>var. pulcherrima</i>	Y	S4	G5T5		1	M
racemose pussytoes	<i>Antennaria racemosa</i>		Y	S4	G5		3	S
rosy pussytoes	<i>Antennaria rosea</i>		Y	S5	G5		3	L
umber pussytoes	<i>Antennaria umbrinella</i>		Y	S4	G5		3	M
streambank arnica	<i>Arnica amplexicaulis</i>	<i>ssp. amplexicaulis</i>	Y	S5	GNRT4T5		3	M
alpine arnica	<i>Arnica angustifolia</i>	<i>ssp. angustifolia</i>	Y	S5	G5T5		1	M
alpine arnica	<i>Arnica angustifolia</i>	<i>ssp. attenuata</i>	Y	S5	G5TNR		1	S
alpine arnica	<i>Arnica angustifolia</i>	<i>ssp. lonchophylla</i>	Y	S4	G4T4		1	M
alpine arnica	<i>Arnica angustifolia</i>	<i>ssp. tomentosa</i>	Y	S5	G5T5		4	S
meadow arnica	<i>Arnica chamissonis</i>	<i>ssp. chamissonis</i>	Y	S5	G5T5		4	S
meadow arnica	<i>Arnica chamissonis</i>	<i>ssp. foliosa</i>	Y	S5	G5T5		2	L
meadow arnica	<i>Arnica chamissonis</i>	<i>ssp. incana</i>	B	S2S3	G5T3T5		1	S
heart-leaved arnica	<i>Arnica cordifolia</i>		Y	S5	G5		3	L

diverse arnica	<i>Arnica diversifolia</i>		Y	S3S4	G5	1		M
northern arnica	<i>Arnica frigida</i>		Y	S4	G5	1		S
orange arnica	<i>Arnica fulgens</i>	<i>var. fulgens</i>	Y	S5	G5T5		1	M
orange arnica	<i>Arnica fulgens</i>	<i>var. sororia</i>	Y	S5	G4G5		1	M
tall mountain arnica	<i>Arnica gracilis</i>		Y	S5	G5?	3		S
mountain arnica	<i>Arnica latifolia</i>		Y	S5	G5	3		M
purple arnica	<i>Arnica lessingii</i>		Y	S3S4	G5	1		S
seep-spring arnica	<i>Arnica longifolia</i>		B	S2S3	G5	1		M
Lake Louise arnica	<i>Arnica louiseana</i>		B	S2S3	G3	3		S
hairy arnica	<i>Arnica mollis</i>		Y	S5	G5	3		M
Parry's arnica	<i>Arnica parryi</i>	<i>ssp. parryi</i>	Y	S5	G5T5		2	M
Rydberg's arnica	<i>Arnica rydbergii</i>		Y	S5	G5	3		S
Alaskan sagebrush	<i>Artemisia alaskana</i>		B	S2S3	G4	1		S
biennial wormwood	<i>Artemisia biennis</i>		Y	S3S4	G5	1		L
northern wormwood	<i>Artemisia campestris</i>	<i>ssp. borealis</i>	Y	S5	G5T5		2	L
northern wormwood	<i>Artemisia campestris</i>	<i>ssp. pacifica</i>	Y	S5	G5T5		3	S?
silvery sagebrush	<i>Artemisia cana</i>	<i>ssp. cana</i>	R	S1	G5T4?		1	M
tarragon	<i>Artemisia dracunculus</i>		Y	S5	G5	1		L
prairie sagewort	<i>Artemisia frigida</i>		Y	S5	G5	2		L
three-forked mugwort	<i>Artemisia furcata</i>	<i>var. heterophylla</i>	B	S2S3	G4TNR		1	L
Columbia River mugwort	<i>Artemisia lindleyana</i>		Y	S3S4	G5	4		S
long-leaved mugwort	<i>Artemisia longifolia</i>		R	S2	G5	1		M
western mugwort	<i>Artemisia ludoviciana</i>	<i>var. incompta</i>	B	S2S3	G5T3T5		1	M
western mugwort	<i>Artemisia ludoviciana</i>	<i>var. latiloba</i>	Y	S5	G5T5		1	S
western mugwort	<i>Artemisia ludoviciana</i>	<i>var. ludoviciana</i>	Y	S5	G5T5		1	L
Michaux's mugwort	<i>Artemisia michauxiana</i>		Y	S5	G4G5	3		M
mountain sagewort	<i>Artemisia norvegica</i>	<i>ssp. saxatilis</i>	Y	S5	G5T5		2	S
Suksdorf's mugwort	<i>Artemisia suksdorfii</i>		Y	S5	G4G5	3		S
Aleutian mugwort	<i>Artemisia tilesii</i>	<i>var. tilesii</i>	Y	S5	G5T5?		1	L
Aleutian mugwort	<i>Artemisia tilesii</i>	<i>var. unalaschcensis</i>	Y	S5	G5		3	S
big sagebrush	<i>Artemisia tridentata</i>	<i>var. tridentata</i>	Y	S5	G5T4T5		1	M
big sagebrush	<i>Artemisia tridentata</i>	<i>var. vaseyana</i>	Y	S5	G5T4T5		1	M
threetip sagebrush	<i>Artemisia tripartita</i>		Y	S4	G5	1		S
alpine aster	<i>Aster alpinus</i>	<i>ssp. vierhapperi</i>	Y	S3S4	G5T5		1	S
long-leaved aster	<i>Aster ascendens</i>		R	S1S3	G5	1		M
rush aster	<i>Aster borealis</i>		Y	S5	G5	2		L
rayless alkali aster	<i>Aster brachyactis</i>		Y	S4	G5T5	1		L
meadow aster	<i>Aster campestris</i>	<i>var. campestris</i>	Y	S4	G5T4T5		1	S
common California aster	<i>Aster chilensis</i>		Y	S5	G4	1		S
Lindley's aster	<i>Aster ciliolatus</i>		Y	S5	G5	2		L
showy aster	<i>Aster conspicuus</i>		Y	S5	G5	3		M
white-top aster	<i>Aster curtus</i>		R	S2	G3	3	T	S
Eaton's aster	<i>Aster eatonii</i>		Y	S4	G5			M
Engelmann's aster	<i>Aster engelmannii</i>		Y	S4	G4G5	3		S

tufted white prairie aster	<i>Aster ericoides</i>	<i>ssp. pansus</i>	Y	S5	G5T5			1	M
little gray aster	<i>Aster falcatus</i>	<i>ssp. falcatus</i>	Y	S4	G5T4T5			1	M
leafy aster	<i>Aster foliaceus</i>		Y	S5	G5		3		M
short-rayed aster	<i>Aster frondosus</i>		R	S1	G4	E	1		M
smooth aster	<i>Aster laevis</i>	<i>var. geyeri</i>	Y	S5	G5T5			2	L
western willow aster	<i>Aster lanceolatus</i>	<i>ssp. hesperius</i>	Y	S3S4	G5T5?			1	L
great northern aster	<i>Aster modestus</i>		Y	S5	G5		3		M
western mountain aster	<i>Aster occidentalis</i>	<i>var. intermedius</i>	Y	S4	G5T5?			1	S
western mountain aster	<i>Aster occidentalis</i>	<i>var. occidentalis</i>	Y	S4	G5T5?			1	M
Olympic mountain aster	<i>Aster paucicapitatus</i>		B	S2S3	G3?		5		S
purple-stemmed aster	<i>Aster puniceus</i>	<i>var. puniceus</i>	R	S1	G5T5			1	L
rough-leaved aster	<i>Aster radulinus</i>		R	S1	G4G5		1		S
arctic aster	<i>Aster sibiricus</i>	<i>var. meritus</i>	Y	S5	G5			4	S
arctic aster	<i>Aster sibiricus</i>	<i>var. pygmaeus</i>	Y	S5	G3G5			1	S
Rocky Mountain aster	<i>Aster stenomerus</i>		Y	S3S4	G4		3		S
Douglas' aster	<i>Aster subspicatus</i>	<i>var. subspicatus</i>	Y	S5	G5T3T5			3	M
deltoid balsamroot	<i>Balsamorhiza deltoidea</i>		R	S1	G5	E	1		S
arrowleaf balsamroot	<i>Balsamorhiza sagittata</i>		Y	S5	G4G5		1		M
Vancouver Island beggarticks	<i>Bidens amplissima</i>		B	S3	G3	SC	6		S
nodding beggarticks	<i>Bidens cernua</i>		Y	S5	G5		1		L
tall beggarticks	<i>Bidens vulgata</i>		R	S1	G5		1		L
large-flowered brickellia	<i>Brickellia grandiflora</i>		R	S1	G5	NAR	1		L
narrow-leaved brickellia	<i>Brickellia oblongifolia</i>	<i>ssp. oblongifolia</i>	R	S2	G5T5			1	S
silvercrown	<i>Cacaliopsis nardosmia</i>		R	S1	G4G5		1		S
hoary false yarrow	<i>Chaenactis douglasii</i>	<i>var. douglasii</i>	Y	S5	G5T5			1	M
green rabbit-brush	<i>Chrysothamnus viscidiflorus</i>	<i>var. lanceolatus</i>	Y	S4	G5T5			1	M
short-styled thistle	<i>Cirsium brevistylum</i>		Y	S4	G4		4		S
Drummond's thistle	<i>Cirsium drummondii</i>		R	S1	G5		1		S
edible thistle	<i>Cirsium edule</i>		Y	S4	G4		5		S
leafy thistle	<i>Cirsium foliosum</i>		Y	S3S4	G5		3		S
Hooker's thistle	<i>Cirsium hookerianum</i>		Y	S4	G4		5		S
elk thistle	<i>Cirsium scariosum</i>		R	S1S3	G5		1		S
wavy-leaved thistle	<i>Cirsium undulatum</i>		Y	S5	G5		3		L
Atkinson's coreopsis	<i>Coreopsis tinctoria</i>	<i>var. atkinsoniana</i>	R	S1	G5T5			1	S
slender hawkbeard	<i>Crepis atribarba</i>	<i>ssp. atribarba</i>	R	S1	G5T5			1	S
slender hawkbeard	<i>Crepis atribarba</i>	<i>ssp. originalis</i>	Y	S5	G5T5			1	S

elegant hawksbeard	<i>Crepis elegans</i>		Y	S4	G5		3		S
grey hawksbeard	<i>Crepis intermedia</i>		Y	S3S4	G5		1		M
low hawksbeard	<i>Crepis modocensis</i>	<i>ssp. modocensis</i>	R	S1	G4G5T4			1	S
western low hawksbeard	<i>Crepis modocensis</i>	<i>ssp. rostrata</i>	R	S1	G4G5T3T4			3	S
dwarf hawksbeard	<i>Crepis nana</i>		Y	S4	G5		2		M
western hawksbeard	<i>Crepis occidentalis</i>	<i>ssp. costata</i>	Y	S4	G5T5			1	M
western hawksbeard	<i>Crepis occidentalis</i>	<i>ssp. occidentalis</i>	Y	S4	G5T5			1	M
western hawksbeard	<i>Crepis occidentalis</i>	<i>ssp. pumila</i>	R	S1	G5T5			1	S
dandelion									
hawksbeard	<i>Crepis runcinata</i>	<i>ssp. runcinata</i>	Y	S3S4	G5T5			1	M
gold star	<i>Crocidium multicaule</i>		Y	S3S4	G5		1		S
rabbitbrush									
goldenweed	<i>Ericameria bloomeri</i>		R	SX	G4	DD	1		S
common rabbit-bush	<i>Ericameria nauseosa</i>	<i>var. speciosa</i>	Y	S5	G5TNR			1	S
bitter fleabane	<i>Erigeron acris</i>	<i>var. debilis</i>	Y	S4	G5T4			3	M
bitter fleabane	<i>Erigeron acris</i>	<i>var. elatus</i>	Y	S4	G5T4?			2	M
golden fleabane	<i>Erigeron aureus</i>		Y	S5	G4		5		S
tufted fleabane	<i>Erigeron caespitosus</i>		Y	S3S4	G5		1		M
	<i>Erigeron compositus</i>				G5		3		L
cut-leaved daisy	<i>Erigeron compositus</i>	<i>var. discoideus</i>	R	S1	G5T5			3	S
smooth cut-leaved daisy	<i>Erigeron compositus</i>	<i>var. glabratus</i>	Y	S5	G5TNR			3	L
long-leaved fleabane	<i>Erigeron corymbosus</i>		Y	S4	G5		3		S
diffuse fleabane	<i>Erigeron divergens</i>	<i>var. divergens</i>	Y	S4	G5T5			1	S
thread-leaved fleabane	<i>Erigeron filifolius</i>	<i>var. filifolius</i>	Y	S5	G5T5			1	S
trailing fleabane	<i>Erigeron flagellaris</i>	<i>var. flagellaris</i>	Y	S4	G5T5			1	M
smooth daisy	<i>Erigeron glabellus</i>	<i>ssp. pubescens</i>	Y	S4	G5T4T5			1	M
large-flowered daisy	<i>Erigeron grandiflorus</i>		Y	S3S4	G4		1		S
arctic-alpine daisy	<i>Erigeron humilis</i>		Y	S5	G4		2		M
woolly daisy	<i>Erigeron lanatus</i>		Y	S3S4	G3G4		4		S
Leiberg's fleabane	<i>Erigeron leibergii</i>		R	S1	G3?		4		S
linear-leaved daisy	<i>Erigeron linearis</i>		Y	S4	G5		3		S
buff daisy	<i>Erigeron ochroleucus</i>	<i>var. scribneri</i>	R	S1	G5T5			1	S
purple daisy	<i>Erigeron pallens</i>		Y	S4	G4		3		S
subalpine daisy	<i>Erigeron peregrinus</i>	<i>ssp. callianthemus</i>	Y	S5	G5T4T5			3	M
subalpine daisy	<i>Erigeron peregrinus</i>	<i>ssp. peregrinus</i>	Y	S5	G5T4			3	S
Philadelphia fleabane	<i>Erigeron philadelphicus</i>		Y	S4	G5		2		L
cushion fleabane	<i>Erigeron poliospermus</i>	<i>var. poliospermus</i>	B	S2S3	G4T4			1	S
shaggy fleabane	<i>Erigeron pumilus</i>	<i>var. intermedius</i>	Y	S5	G5T5			1	S
Salish daisy	<i>Erigeron salishii</i>		R	S1	G2G3		4		S
showy daisy	<i>Erigeron speciosus</i>	<i>var. speciosus</i>	Y	S5	G5T5			1	S
rough-stemmed fleabane	<i>Erigeron strigosus</i>	<i>var. strigosus</i>	Y	S4	G5T5			1	L

triple-nerved fleabane	<i>Erigeron subtrinervis</i>	<i>var. conspicuus</i>	Y	S5	G5T5		1	S
three-lobed daisy	<i>Erigeron trifidus</i>		R	S2	G2G3Q	5		S
northern daisy	<i>Erigeron uniflorus</i>	<i>ssp. eriocephalus</i>	B	S2S3	G5T4		1	S
woolly eriophyllum	<i>Eriophyllum lanatum</i>	<i>var. lanatum</i>	Y	S5	G5T5		3	S
fragrant goldenrod	<i>Euthamia graminifolia</i>		Y	S3S4	G5	1		L
western goldenrod	<i>Euthamia occidentalis</i>		Y	S4	G5	1		M
brown-eyed Susan	<i>Gaillardia aristata</i>		Y	S5	G5	1		L
slender cudweed	<i>Gnaphalium microcephalum</i>		Y	S5	G5	1		M
lowland cudweed	<i>Gnaphalium palustre</i>		Y	S4	G5	1		M
sticky cudweed	<i>Gnaphalium viscosum</i>		Y	S4	G5	1		L
hairy gumweed	<i>Grindelia hirsutula</i>	<i>var. hirsutula</i>	R	S1	G5T3T4		1	S
Puget Sound								
gumweed	<i>Grindelia integrifolia</i>		Y	S5	G5	3		S
curly-cup gumweed	<i>Grindelia squarrosa</i>	<i>var. quasiperennis</i>	Y	S4	G5T5		1	M
mountain								
sneezeweed	<i>Helenium autumnale</i>	<i>var. grandiflorum</i>	B	S2S3	G5T3T5		3	S
mountain								
sneezeweed	<i>Helenium autumnale</i>	<i>var. montanum</i>	Y	S4	G5T5		1	L
Rocky Mountain								
helianthella	<i>Helianthella uniflora</i>	<i>var. douglasii</i>	Y	S4	G5T3T5		1	S
Nuttall's sunflower	<i>Helianthus nuttallii</i>	<i>var. nuttallii</i>	R	S1	G5T5		1	L
golden-aster	<i>Heterotheca villosa</i>	<i>var. hispida</i>	Y	S5	G5T4T5		1	L
golden-aster	<i>Heterotheca villosa</i>	<i>var. villosa</i>	Y	S5	G5T5		1	M
white hawkweed	<i>Hieracium albiflorum</i>		Y	S5	G4G5	3		M
slender hawkweed	<i>Hieracium gracile</i>		Y	S5	G5	3		M
western hawkweed	<i>Hieracium scouleri</i>	<i>var. albertinum</i>	Y	S5	G5TNR		1	S
hounds-tongue								
hawkweed	<i>Hieracium scouleri</i>	<i>var. griseum</i>	Y	S5	G5TNR		1	S
Scouler's hawkweed	<i>Hieracium scouleri</i>	<i>var. scouleri</i>	Y	S5	G5T5		1	S
woolly hawkweed	<i>Hieracium triste</i>		Y	S5	G5	3		S
narrow-leaved								
hawkweed	<i>Hieracium umbellatum</i>	<i>ssp. umbellatum</i>	Y	S5	G5T5		2	L
poverty-weed	<i>Iva axillaris</i>	<i>ssp. robustior</i>	R	S1	G5TNR		1	L
fleshy jaumea	<i>Jaumea carnosa</i>		B	S2S3	G4G5	3		S
tall blue lettuce	<i>Lactuca biennis</i>		Y	S4	G5	2		L
blue lettuce	<i>Lactuca tatarica</i>	<i>ssp. pulchella</i>	Y	S4	G5T5		2	L
smooth goldfields	<i>Lasthenia glaberrima</i>		R	S1	G5	1		S
hairy goldfields	<i>Lasthenia maritima</i>		B	S2S3	G4	3		S
arctic daisy	<i>Leucanthemum arcticum</i>		R	SH	G5	1		L
entire-leaved daisy	<i>Leucanthemum integrifolium</i>		B	S2S3	G5	1		L
silverback luina	<i>Luina hypoleuca</i>		Y	S4	G5	1		S
rushlike skeleton-plant	<i>Lygodesmia juncea</i>		Y	S3S4	G5			L

hoary aster	<i>Machaeranthera canescens</i>		Y	S4	G5		1		L
little tarweed	<i>Madia exigua</i>		Y	S4	G5		1		S
clustered tarweed	<i>Madia glomerata</i>		Y	S3S4	G5		1		S
slender tarweed	<i>Madia gracilis</i>		Y	S3S4	G5		1		S
woodland tarweed	<i>Madia madioides</i>		Y	S5	G4G5		1		S
small-headed tarweed	<i>Madia minima</i>		R	S1	G4		1		S
pineapple weed	<i>Matricaria discoidea</i>		No Status	SU	G5		2		L
water marigold	<i>Megalodonta beckii</i>	var. <i>beckii</i>	B	S3	G4G5T4			2	L
coast microseris	<i>Microseris bigelovii</i>		R	S1	G4	E	1		S
apargidium	<i>Microseris borealis</i>		Y	S5	G4?		5		S
Lindley's microseris	<i>Microseris lindleyi</i>		R	S1	G5		1		M
nodding microseris	<i>Microseris nutans</i>	ssp. <i>nutans</i>	Y	S5	G5T5			1	M
false-agoseris	<i>Nothocalais troximoides</i>		Y	S4	G5		1		S
sweet coltsfoot	<i>Petasites frigidus</i>	var. <i>frigidus</i>	Y	S4	G5T5			1	L
sweet coltsfoot	<i>Petasites frigidus</i>	var. <i>nivalis</i>	Y	S5	G5T5			3	L
sweet coltsfoot	<i>Petasites frigidus</i>	var. <i>palmatius</i>	Y	S5	G5T5			2	L
arrow-leaved coltsfoot	<i>Petasites sagittatus</i>		Y	S5	G5			2	L
western rattlesnake-root	<i>Prenanthes alata</i>		Y	S3S4	G5		4		S
purple rattlesnake-root	<i>Prenanthes racemosa</i>	ssp. <i>multiflora</i>	R	SH	G5T4?			1	M
arrow-leaved rattlesnake-root	<i>Prenanthes sagittata</i>		R	S1	G3G4		1		S
dwarf woolly-heads	<i>Psilocarphus brevissimus</i>	var. <i>brevissimus</i>	R	S1	G4T4?	E		1	S
tall woolly-heads	<i>Psilocarphus elatior</i>		R	S1	G4Q	E	1		S
slender woolly-heads	<i>Psilocarphus tenellus</i>	var. <i>tenellus</i>	R	S2	G4T4	NAR		1	S
Columbian goldenweed	<i>Pyrrocoma carthamoides</i>	var. <i>carthamoides</i>	R	S2	G4G5T4			1	S
prairie coneflower	<i>Ratibida columnifera</i>		Y	S4	G5		1		L
American sawwort	<i>Saussurea americana</i>		Y	S4	G5		3		S
northern sawwort	<i>Saussurea angustifolia</i>	var. <i>angustifolia</i>	B	S2S3	G5TNR			1	S
dwarf sawwort	<i>Saussurea nuda</i>	ssp. <i>densa</i>	Y	S3S4	G4T4			3	S
purple-haired groundsel	<i>Senecio atropurpureus</i>		B	S2S3	G5		1		S
woolly groundsel	<i>Senecio canus</i>		Y	S5	G5		1		M
marsh fleabane	<i>Senecio congestus</i>		B	S2S3	G5		1		M
high alpine butterweed	<i>Senecio conterminus</i>		B	S2S3	G3		3		S
northern butterweed	<i>Senecio cymbalaria</i>		B	S2S3	G5		1		L
alpine meadow butterweed	<i>Senecio cymbalarioides</i>		Y	S5	G5		1		M
Elmer's butterweed	<i>Senecio elmeri</i>		Y	S4	G4		5		S

dryland ragwort	<i>Senecio eremophilus</i>	ssp. <i>eremophilus</i>	Y	S4	G5T5		1	M
dwarf mountain butterweed	<i>Senecio fremontii</i>	ssp. <i>fremontii</i>	Y	S4	G5T5?		3	S
northern groundsel	<i>Senecio fuscatus</i>		B	S2S3	G4	1		L
sweet-marsh butterweed	<i>Senecio hydrophiloides</i>		R	S1	G4G5	1		S
alkali-marsh butterweed	<i>Senecio hydrophilus</i>		R	SH	G5	1		M
rayless mountain butterweed	<i>Senecio indecorus</i>		Y	S5	G5	3		M
western groundsel	<i>Senecio integerrimus</i>	var. <i>exaltatus</i>	Y	S5	G5T5		1	M
white western groundsel	<i>Senecio integerrimus</i>	var. <i>ochroleucus</i>	R	SH	G5T4T5		1	S
black-tipped groundsel	<i>Senecio lugens</i>		Y	S5	G5	2		S
Macoun's groundsel	<i>Senecio macounii</i>		B	S3	G5	3		S
large-headed groundsel	<i>Senecio megacephalus</i>		B	S2S3	G4?	1		S
Queen Charlotte butterweed	<i>Senecio moresbiensis</i>		B	S3	G3	5		S
Ogotoruk Creek butterweed	<i>Senecio ogotorukensis</i>		B	S2S3	G3G5	1		S
rayless alpine butterweed	<i>Senecio pauciflorus</i>		Y	S5	G4G5	3		L
Canadian butterweed	<i>Senecio pauperculus</i>		Y	S5	G5	2		L
plains butterweed	<i>Senecio plattensis</i>		B	S2S3	G5	1		L
streambank butterweed	<i>Senecio pseudoaureus</i>	ssp. <i>pseudoaureus</i>	Y	S5	G5T5		2	M
beach groundsel	<i>Senecio pseudoarnica</i>		B	S2S3	G5	1		S
Mount Sheldon butterweed	<i>Senecio sheldonensis</i>		B	S2S3	G2G3	3		S
Rocky Mountain butterweed	<i>Senecio streptanthifolius</i>		Y	S5	G5	3		M
arrow-leaved groundsel	<i>Senecio triangularis</i>		Y	S5	G5	4		M
Yukon groundsel	<i>Senecio yukonensis</i>		B	S2S3	G4G5Q	1		S
Newcombe's butterweed	<i>Sinosenecio newcombei</i>		Y	S4	G3G4	7		S
Canada goldenrod	<i>Solidago canadensis</i>	var. <i>gilvocanescens</i>	Y	S5	G5T5		1	L
Canada goldenrod	<i>Solidago canadensis</i>	var. <i>salebrosa</i>	Y	S5	G5T5		2	L
Canada goldenrod	<i>Solidago canadensis</i>	var. <i>subserrata</i>	Y	S5	G5T5		3	S
smooth goldenrod	<i>Solidago gigantea</i>	ssp. <i>serotina</i>	R	S1	G5TNR		1	L
Missouri goldenrod	<i>Solidago missouriensis</i>	var. <i>missouriensis</i>	Y	S3S4	G5T5		1	M
northern goldenrod	<i>Solidago multiradiata</i>		Y	S5	G5	2		L
field goldenrod	<i>Solidago nemoralis</i>	ssp. <i>longipetiolata</i>	B	S2S3	G5T5		1	L

spikelike goldenrod	<i>Solidago spathulata</i>	var. <i>nana</i>	Y	S5	G5T5?	2	S
spikelike goldenrod	<i>Solidago spathulata</i>	var. <i>neomexicana</i>	Y	S5	G5T5	1	S
spikelike goldenrod narrow-leaved	<i>Solidago spathulata</i>	var. <i>spathulata</i>	Y	S5	G5TNR	1	S
stephanomeria	<i>Stephanomeria tenuifolia</i>		Y	S4	G5	1	M
dune tansy	<i>Tanacetum bipinnatum</i>	ssp. <i>huronense</i>	Y	S3S4	G5T4T5	4	S
horned dandelion	<i>Taraxacum ceratophorum</i>		Y	S4	G5T5	2	L
grey horsebrush	<i>Tetradymia canescens</i>		Y	S4	G5	1	M
Lyall's goldenweed	<i>Tonestus lyallii</i>		Y	S5	G5	3	M
Hooker's townsendia	<i>Townsendia hookeri</i>		R	S2	G5	1	M
Parry's townsendia	<i>Townsendia parryi</i>		R	S1	G4?	1	S
bitter fleabane	<i>Trimorpha acris</i>	var. <i>asteroides</i>	Y	S4	G5T5	2	L
spear-leaved fleabane	<i>Trimorpha lonchophylla</i>		Y	S5	G5	3	L
Exotic		EXOTICS					
eastern cottonwood	<i>Populus deltoides</i>	ssp. <i>deltoides</i>	Exotic	SNA	G5T5		
eastern cottonwood	<i>Populus deltoides</i>	ssp. <i>monilifera</i>	Exotic	SNA	G5T5		
white willow	<i>Salix alba</i>		Exotic	SNA	G5		
hybrid white willow	<i>Salix x rubens</i>		Exotic	SNA	GNA		
European birch	<i>Betula pendula</i>		Exotic	SNA	GNR		
silver birch	<i>Betula pubescens</i>		Exotic	SNA	GNR		
filbert	<i>Corylus avellana</i>		Exotic	SNA	GNR		
English oak	<i>Quercus robur</i>		Exotic	SNA	GNR		
Siberian elm	<i>Ulmus pumila</i>		Exotic	SNA	GNR		
stinging nettle	<i>Urtica dioica</i> ssp. <i>dioica</i>		Exotic	SNA	G5T5?		
dog nettle	<i>Urtica urens</i>		Exotic	SNA	GNR		
	<i>Cuscuta cephalanthi</i>		NR	SNA	G5	1	L
buckwheat	<i>Fagopyrum esculentum</i>		Exotic	SNA	GNR		
oval-leaved knotweed	<i>Polygonum arenastrum</i>		Exotic	SNA	G5?		
common knotweed	<i>Polygonum aviculare</i>		Exotic	SNA	GNR		
eastern knotweed	<i>Polygonum buxiforme</i>		Exotic	SNA	G5		
black bindweed	<i>Polygonum convolvulus</i>		Exotic	SNA	GNR		
Japanese knotweed	<i>Polygonum cuspidatum</i>		Exotic	SNA	GNR		
marshpepper							
smartweed	<i>Polygonum hydropiper</i>		Exotic	SNA	GNR		
Asian knotweed	<i>Polygonum minus</i>		Exotic	SNA	GNR		
Nepalese knotweed	<i>Polygonum nepalense</i>		Exotic	SNA	GNR		
lady's-thumb	<i>Polygonum persicaria</i>		Exotic	SNA	G3G5		
Himalayan knotweed	<i>Polygonum polystachyum</i>		Exotic	SNA	GNR		
	<i>Polygonum ramosissimum</i>						
proliferous knotweed	var. <i>prolificum</i>		Exotic	SNA	G5T4T5		

giant knotweed	<i>Polygonum sachalinense</i>	Exotic	SNA	GNR
	<i>Rumex acetosa</i> ssp.			
green sorrel	<i>acetosa</i>	Exotic	SNA	G5TNR
sheep sorrel	<i>Rumex acetosella</i>	Exotic	SNA	GNR
clustered dock	<i>Rumex conglomeratus</i>	Exotic	SNA	GNR
curled dock	<i>Rumex crispus</i>	Exotic	SNA	GNR
bitter dock	<i>Rumex obtusifolius</i>	Exotic	SNA	GNR
patience dock	<i>Rumex patientia</i>	Exotic	SNA	GNR
garden orache	<i>Atriplex hortensis</i>	Exotic	SNA	GNR
Russian orache	<i>Atriplex micrantha</i>	Exotic	SNA	G5
long-stalked orache	<i>Atriplex nudicaulis</i>	Exotic	SNA	G1
oblong-leaved orache	<i>Atriplex oblongifolia</i>	Exotic	SNA	GNR
common orache	<i>Atriplex patula</i>	Exotic	SNA	G5
red orache	<i>Atriplex rosea</i>	Exotic	SNA	GNR
Russian pigweed	<i>Axyris amaranthoides</i>	Exotic	SNA	GNR
five-hooked bassia	<i>Bassia hyssopifolia</i>	Exotic	SNA	GNR
	<i>Chenopodium album</i> ssp.			
lamb's-quarters	<i>album</i>	Exotic	SNA	G5TNR
	<i>Chenopodium album</i> ssp.			
lamb's-quarters	<i>striatum</i>	Exotic	SNA	G5T5
Jerusalem-oak	<i>Chenopodium botrys</i>	Exotic	SNA	GNR
oak-leaved goosefoot	<i>Chenopodium glaucum</i>	Exotic	SNA	G5
maple-leaved goosefoot	<i>Chenopodium hybridum</i>	Exotic	SNA	G5
European goosefoot	<i>Chenopodium polyspermum</i>	Exotic	SNA	GNR
Australian goosefoot	<i>Chenopodium pumilio</i>	Exotic	SNA	GNR
upright goosefoot	<i>Chenopodium urbicum</i>	Exotic	SNA	GNR
bugseed	<i>Corispermum hyssopifolium</i>	Exotic	SNA	GU
summer-cypress	<i>Kochia scoparia</i>	Exotic	SNA	GNR
poverty weed	<i>Monolepis nuttalliana</i>	Exotic	SNA	G5
crunch weed	<i>Polycnemum arvense</i>	Exotic	SNA	GNR
Russian thistle	<i>Salsola kali</i>	Exotic	SNA	GNR
prostrate pigweed	<i>Amaranthus blitoides</i>	Exotic	SNA	GNR
rough pigweed	<i>Amaranthus retroflexus</i>	Exotic	SNA	GNR
hairy umbrellawort	<i>Mirabilis hirsuta</i>	Exotic	SNA	G5
umbrellawort	<i>Mirabilis nyctaginea</i>	Exotic	SNA	G5
common purslane	<i>Portulaca oleracea</i>	Exotic	SNA	GNR
thyme-leaved sandwort	<i>Arenaria serpyllifolia</i>	Exotic	SNA	GNR

	<i>Cerastium fontanum</i> ssp.				
mouse-ear chickweed	<i>triviale</i>		Exotic	SNA	GNRTNR
sticky chickweed	<i>Cerastium glomeratum</i>		Exotic	SNA	GNR
dwarf mouse-ear	<i>Cerastium pumilum</i>		Exotic	SNA	GNR
little chickweed	<i>Cerastium semidecandrum</i>		Exotic	SNA	GNR
snow-in-summer	<i>Cerastium tomentosum</i>		Exotic	SNA	GNR
strapwort	<i>Corrigiola litoralis</i>		Exotic	SNA	GNR
Deptford pink	<i>Dianthus armeria</i>		Exotic	SNA	GNR
sweet William	<i>Dianthus barbatus</i>		Exotic	SNA	GNR
maiden pink	<i>Dianthus deltoides</i>		Exotic	SNA	GNR
baby's breath	<i>Gypsophila paniculata</i>		Exotic	SNA	GNR
glandular baby's breath	<i>Gypsophila scorzonerifolia</i>		Exotic	SNA	GNR
umbellate chickweed	<i>Holosteum umbellatum</i>		Exotic	SNA	GNR
rose campion	<i>Lychnis coronaria</i>		Exotic	SNA	GNR
	<i>Moenchia erecta</i> ssp.				
upright chickweed	<i>erecta</i>		Exotic	SNA	GNR
water chickweed	<i>Myosoton aquaticum</i>		Exotic	SNA	GNR
prolific petrorrhagia	<i>Petrorrhagia prolifera</i>		Exotic	SNA	GNR
tunic flower	<i>Petrorrhagia saxifraga</i>		Exotic	SNA	GNR
four-leaved all-seed	<i>Polycarpon tetraphyllum</i>		Exotic	SNA	GNR
common pearlwort	<i>Sagina apetala</i>	var. <i>barbata</i>	Exotic	SNA	GNR
Japanese pearlwort	<i>Sagina japonica</i>		Exotic	SNA	GNR
bouncing-bett	<i>Saponaria officinalis</i>		Exotic	SNA	GNR
annual knawel	<i>Scleranthus annuus</i>		Exotic	SNA	GNR
biennial campion	<i>Silene cserei</i>		Exotic	SNA	GNR
forked catchfly	<i>Silene dichotoma</i>		Exotic	SNA	GNR
red campion	<i>Silene dioica</i>		Exotic	SNA	GNR
sweet William catchfly	<i>Silene armeria</i>		Exotic	SNA	GNR
small-flowered catchfly	<i>Silene gallica</i>		Exotic	SNA	GNR
white cockle	<i>Silene latifolia</i>	ssp. <i>alba</i>	Exotic	SNA	GNRTNR
night-flowering catchfly	<i>Silene noctiflora</i>		Exotic	SNA	GNR
bladder campion	<i>Silene vulgaris</i>		Exotic	SNA	GNR
corn-spurry	<i>Spergula arvensis</i>		Exotic	SNA	GNR
red sand-spurry	<i>Spergularia rubra</i>		Exotic	SNA	G5
salt marsh sand- spurry	<i>Spergularia salina</i>	var. <i>salina</i>	Exotic	SNA	G5T5
bog starwort	<i>Stellaria alsine</i>		Exotic	SNA	G5
grass-leaved starwort	<i>Stellaria graminea</i>		Exotic	SNA	GNR
common chickweed	<i>Stellaria media</i>		Exotic	SNA	GNR
cow-basil	<i>Vaccaria pyramidata</i>		Exotic	SNA	GNR

common carpetweed	<i>Mollugo verticillata</i>	Exotic	SNA	GNR
European white waterlily	<i>Nymphaea alba</i>	Exotic	SNA	GNR
yellow waterlily	<i>Nymphaea mexicana</i>	Exotic	SNA	G3G4
fragrant waterlily	<i>Nymphaea odorata</i>	Exotic	SNA	G5
common barberry	<i>Berberis vulgaris</i>	Exotic	SNA	GNR
	<i>Clematis tangutica</i> var.			
golden clematis	<i>tangutica</i>	Exotic	SNA	GNR
traveler's joy	<i>Clematis vitalba</i>	Exotic	SNA	GNR
rocket larkspur	<i>Consolida ajacis</i>	Exotic	SNA	GNR
meadow buttercup	<i>Ranunculus acris</i>	Exotic	SNA	G5
bulbous buttercup	<i>Ranunculus bulbosus</i>	Exotic	SNA	GNR
lesser celandine	<i>Ranunculus ficaria</i>	Exotic	SNA	GNR
creeping buttercup	<i>Ranunculus repens</i>	Exotic	SNA	GNR
hairy buttercup	<i>Ranunculus sardous</i>	Exotic	SNA	GNR
hornseed buttercup	<i>Ranunculus testiculatus</i>	Exotic	SNA	GNR
greater celandine	<i>Chelidonium majus</i>	Exotic	SNA	GNR
California poppy	<i>Eschscholzia californica</i>	Exotic	SNA	G4
bastard fumatory	<i>Fumaria bastardii</i>	Exotic	SNA	GNR
common fumatory	<i>Fumaria officinalis</i>	Exotic	SNA	G5
long prickly-headed poppy	<i>Papaver argemone</i>	Exotic	SNA	GNR
blind eyes	<i>Papaver dubium</i>	Exotic	SNA	GNR
Iceland poppy	<i>Papaver nudicaule</i>	Exotic	SNA	G4G5
corn poppy	<i>Papaver rhoeas</i>	Exotic	SNA	GNR
opium poppy	<i>Papaver somniferum</i>	Exotic	SNA	GNR
pale alyssum	<i>Alyssum alyssoides</i>	Exotic	SNA	GNR
desert alyssum	<i>Alyssum desertorum</i>	Exotic	SNA	GNR
wall alyssum	<i>Alyssum murale</i>	Exotic	SNA	GNR
annual ragweed	<i>Ambrosia artemisiifolia</i>	Exotic	SNA	G5
garlic mustard	<i>Alliaria petiolata</i>	Exotic	SNA	GNR
mouse-ear	<i>Arabidopsis thaliana</i>	Exotic	SNA	GNR
lyre-leaved rockcress	<i>Arabis lyrata</i>	Exotic	SNA	G5
common horseradish	<i>Armoracia rusticana</i>	Exotic	SNA	GNR
bitter winter cress	<i>Barbarea vulgaris</i>	Exotic	SNA	GNR
hoary alyssum	<i>Berteroa incana</i>	Exotic	SNA	GNR
field mustard	<i>Brassica campestris</i>	Exotic	SNA	GNRTNR
white mustard	<i>Brassica hirta</i>	Exotic	SNA	GNR
Indian mustard	<i>Brassica juncea</i>	Exotic	SNA	GNR
charlock	<i>Brassica kaber</i>	Exotic	SNA	GNR
turnip	<i>Brassica napus</i>	Exotic	SNA	GNR
black mustard	<i>Brassica nigra</i>	Exotic	SNA	GNR
Turkish rocket	<i>Bunias orientalis</i>	Exotic	SNA	GNR

European searocket	<i>Cakile maritima</i>	Exotic	SNA	GNR
littlepod flax	<i>Camelina microcarpa</i>	Exotic	SNA	GNR
falseflax	<i>Camelina sativa</i>	Exotic	SNA	GNR
shepherd's purse	<i>Capsella bursa-pastoris</i>	Exotic	SNA	GNR
hairy bitter-cress	<i>Cardamine hirsuta</i>	Exotic	SNA	GNR
	<i>Cardaria draba</i> ssp.			
Chalapa hoary-cress	<i>chalapensis</i>	Exotic	SNA	GNRTNR
heart-podded hoary-cress	<i>Cardaria draba</i> ssp. <i>draba</i>	Exotic	SNA	GNRTNR
globe-pod hoary-cress	<i>Cardaria pubescens</i>	Exotic	SNA	GNR
blue mustard	<i>Chorispora tenella</i>	Exotic	SNA	GNR
hare's-ear mustard	<i>Conringia orientalis</i>	Exotic	SNA	GNR
lesser swine-cress	<i>Coronopus didymus</i>	Exotic	SNA	GNR
flixweed	<i>Descurainia sophia</i>	Exotic	SNA	GNR
garden-rocket	<i>Eruca vesicaria</i> ssp. <i>sativa</i>	Exotic	SNA	GNRTNR
dog mustard	<i>Erucastrum gallicum</i>	Exotic	SNA	G5
common wallflower	<i>Erysimum cheiri</i>	Exotic	SNA	GNR
common draba	<i>Draba verna</i>	Exotic	SNA	GNR
sweet rocket	<i>Hesperis matronalis</i>	Exotic	SNA	G4G5
candytuft	<i>Iberis umbellata</i>	Exotic	SNA	GNR
dyer's woad	<i>Isatis tinctoria</i>	Exotic	SNA	GNR
field pepper-grass	<i>Lepidium campestre</i>	Exotic	SNA	GNR
Smith's pepper-grass	<i>Lepidium heterophyllum</i>	Exotic	SNA	GNR
broad-leaved pepper-grass	<i>Lepidium latifolium</i>	Exotic	SNA	GNR
clasping-leaved pepper-grass	<i>Lepidium perfoliatum</i>	Exotic	SNA	GNR
branched pepper-grass	<i>Lepidium ramosissimum</i>	Exotic	SNA	G5
garden cress	<i>Lepidium sativum</i>	Exotic	SNA	GNR
sweet alyssum	<i>Lobularia maritima</i>	Exotic	SNA	GNR
honesty	<i>Lunaria annua</i>	Exotic	SNA	GNR
ball mustard	<i>Neslia paniculata</i>	Exotic	SNA	GNR
wild radish	<i>Raphanus raphanistrum</i>	Exotic	SNA	GNR
garden radish	<i>Raphanus sativus</i>	Exotic	SNA	GNR
hoary yellow cress	<i>Rorippa barbareaifolia</i>	Exotic	SNA	G4G5
one-rowed water cress	<i>Rorippa microphylla</i>	Exotic	SNA	GNR
	<i>Rorippa nasturtium-aquaticum</i>			
common water cress	<i>aquaticum</i>	Exotic	SNA	GNR
creeping yellow cress	<i>Rorippa sylvestris</i>	Exotic	SNA	G5

tall tumble-mustard	<i>Sisymbrium altissimum</i>	Exotic	SNA	GNR
Loesel's tumble-mustard	<i>Sisymbrium loeselii</i>	Exotic	SNA	GNR
hedge mustard	<i>Sisymbrium officinale</i>	Exotic	SNA	GNR
eastern tumble-mustard	<i>Sisymbrium orientale</i>	Exotic	SNA	GNR
shepherd's cress	<i>Teesdalia nudicaulis</i>	Exotic	SNA	GNR
field pennycress	<i>Thlaspi arvense</i>	Exotic	SNA	GNR
white mignonette	<i>Reseda alba</i>	Exotic	SNA	GNR
yellow mignonette	<i>Reseda lutea</i>	Exotic	SNA	GNR
ditch stonecrop	<i>Penthorum sedoides</i>	Exotic	SNA	G5
goldmoss stonecrop	<i>Sedum acre</i>	Exotic	SNA	GNR
white stonecrop	<i>Sedum album</i>	Exotic	SNA	GNR
rue-leaved saxifrage	<i>Saxifraga tridactylites</i>	Exotic	SNA	GNR
red currant	<i>Ribes rubrum</i>	Exotic	SNA	G4G5
lady's-mantle	<i>Alchemilla subcrenata</i>	Exotic	SNA	GNR
field parsley-piert	<i>Aphanes arvensis</i>	Exotic	SNA	GNR
small-fruited parsley-piert	<i>Aphanes microcarpa</i>	Exotic	SNA	GNR
puckered-leaf cotoneaster	<i>Cotoneaster bullatus</i>	Exotic	SNA	GNR
rock cotoneaster	<i>Cotoneaster horizontalis</i>	Exotic	SNA	GNR
Himalayan cotoneaster	<i>Cotoneaster simonsii</i>	Exotic	SNA	GNR
common hawthorn	<i>Crataegus monogyna</i>	Exotic	SNA	G5
Indian strawberry	<i>Duchesnea indica</i>	Exotic	SNA	G5
cultivated apple	<i>Malus pumila</i>	Exotic	SNA	G5
silvery cinquefoil	<i>Potentilla argentea</i>	Exotic	SNA	GNR
intermediate cinquefoil	<i>Potentilla intermedia</i>	Exotic	SNA	G5
sulphur cinquefoil	<i>Potentilla recta</i>	Exotic	SNA	GNR
sweet cherry	<i>Prunus avium</i>	Exotic	SNA	GNR
cherry-laurel	<i>Prunus laurocerasus</i>	Exotic	SNA	GNR
Mahaleb cherry	<i>Prunus mahaleb</i>	Exotic	SNA	G5
black cherry	<i>Prunus serotina</i>	Exotic	SNA	G5
sloe	<i>Prunus spinosa</i>	Exotic	SNA	G5
scarlet firethorn	<i>Pyracantha coccinea</i>	Exotic	SNA	GNR
common pear	<i>Pyrus communis</i>	Exotic	SNA	G5
dog rose	<i>Rosa canina</i>	Exotic	SNA	GNR
sweetbrier	<i>Rosa eglanteria</i>	Exotic	SNA	GNR
Rambler rose	<i>Rosa multiflora</i>	Exotic	SNA	GNR
Allegheny blackberry	<i>Rubus allegheniensis</i> var.	Exotic	SNA	G5T5
Himalayan blackberry	<i>Rubus discolor</i>	Exotic	SNA	GNR

cutleaf evergreen				
blackberry	<i>Rubus laciniatus</i>	Exotic	SNA	GUQ
	<i>Sanguisorba minor</i> ssp.			
salad burnet	<i>muricata</i>	Exotic	SNA	G5TNR
European mountain-ash	<i>Sorbus aucuparia</i>	Exotic	SNA	G5
chick-pea milk-vetch	<i>Astragalus cicer</i>	Exotic	SNA	G5
Russian sickle milk-vetch	<i>Astragalus falcatus</i>	Exotic	SNA	G5
common crown-vetch	<i>Coronilla varia</i>	Exotic	SNA	GNR
Scotch broom	<i>Cytisus scoparius</i>	Exotic	SNA	GNR
laburnum	<i>Laburnum anagyroides</i>	Exotic	SNA	GNR
broad-leaved peavine	<i>Lathyrus latifolius</i>	Exotic	SNA	GNR
meadow peavine	<i>Lathyrus pratensis</i>	Exotic	SNA	GNR
grass peavine	<i>Lathyrus sphaericus</i>	Exotic	SNA	GNR
narrow-leaved				
everlasting peavine	<i>Lathyrus sylvestris</i>	Exotic	SNA	GNR
birds-foot trefoil	<i>Lotus corniculatus</i>	Exotic	SNA	GNR
stalked birds-foot				
trefoil	<i>Lotus pedunculatus</i>	Exotic	SNA	GNR
narrow-leaved birds-foot trefoil	<i>Lotus tenuis</i>	Exotic	SNA	GNR
tree lupine	<i>Lupinus arboreus</i>	Exotic	SNA	G3G4
spotted medic	<i>Medicago arabica</i>	Exotic	SNA	GNR
black medic	<i>Medicago lupulina</i>	Exotic	SNA	GNR
bur-clover	<i>Medicago polymorpha</i>	Exotic	SNA	GNR
	<i>Medicago sativa</i> ssp.			
alfalfa	<i>falcata</i>	Exotic	SNA	GNRTNR
alfalfa	<i>Medicago sativa</i> ssp. <i>sativa</i>	Exotic	SNA	GNRTNR
white sweet-clover	<i>Melilotus alba</i>	Exotic	SNA	G5
yellow sweet-clover	<i>Melilotus officinalis</i>	Exotic	SNA	GNR
sainfoin	<i>Onobrychis viciifolia</i>	Exotic	SNA	GNR
black locust	<i>Robinia pseudoacacia</i>	Exotic	SNA	G5
hare's-foot clover	<i>Trifolium arvense</i>	Exotic	SNA	GNR
yellow clover	<i>Trifolium aureum</i>	Exotic	SNA	GNR
low hop-clover	<i>Trifolium campestre</i>	Exotic	SNA	GNR
small hop-clover	<i>Trifolium dubium</i>	Exotic	SNA	GNR
	<i>Trifolium fragiferum</i> ssp.			
strawberry clover	<i>bonannii</i>	Exotic	SNA	GNRTNR
alsike clover	<i>Trifolium hybridum</i>	Exotic	SNA	GNR
crimson clover	<i>Trifolium incarnatum</i>	Exotic	SNA	GNR
red clover	<i>Trifolium pratense</i>	Exotic	SNA	GNR
white clover	<i>Trifolium repens</i>	Exotic	SNA	GNR

subterranean clover	<i>Trifolium subterraneum</i>	Exotic	SNA	GNR
gorse	<i>Ulex europaeus</i>	Exotic	SNA	GNR
tufted vetch	<i>Vicia cracca</i> ssp. <i>cracca</i>	Exotic	SNA	GNRTNR
tiny vetch	<i>Vicia hirsuta</i>	Exotic	SNA	GNR
spring vetch	<i>Vicia lathyroides</i>	Exotic	SNA	GNR
common vetch	<i>Vicia sativa</i> var. <i>angustifolia</i>	Exotic	SNA	GNRTNR
common vetch	<i>Vicia sativa</i> var. <i>sativa</i>	Exotic	SNA	GNRTNR
slender vetch	<i>Vicia tetrasperma</i>	Exotic	SNA	GNR
hairy vetch	<i>Vicia villosa</i> ssp. <i>villosa</i>	Exotic	SNA	G5TNR
large periwinkle	<i>Vinca major</i>	Exotic	SNA	GNR
common stork's-bill	<i>Erodium cicutarium</i> ssp. <i>cutarium</i>	Exotic	SNA	GNRTNR
plains eryngo	<i>Eryngium planum</i>	Exotic	SNA	GNR
cut-leaved geranium	<i>Geranium dissectum</i>	Exotic	SNA	GNR
dovefoot geranium	<i>Geranium molle</i>	Exotic	SNA	GNR
small-flowered geranium	<i>Geranium pusillum</i>	Exotic	SNA	GNR
Robert's geranium	<i>Geranium robertianum</i>	Exotic	SNA	G5
policeman's helmet	<i>Impatiens glandulifera</i>	Exotic	SNA	GNR
small touch-me-not	<i>Impatiens parviflora</i>	Exotic	SNA	GNR
yellow oxalis	<i>Oxalis corniculata</i>	Exotic	SNA	GNR
upright yellow oxalis	<i>Oxalis stricta</i>	Exotic	SNA	G5
goutweed	<i>Aegopodium podagraria</i>	Exotic	SNA	GNR
common dill	<i>Anethum graveolens</i>	Exotic	SNA	GNR
bur chervil	<i>Anthriscus caucalis</i>	Exotic	SNA	GNR
chervil	<i>Anthriscus cerefolium</i>	Exotic	SNA	GNR
wild chervil	<i>Anthriscus sylvestris</i>	Exotic	SNA	GNR
caraway	<i>Carum carvi</i>	Exotic	SNA	GNR
poison-hemlock	<i>Conium maculatum</i>	Exotic	SNA	G5
wild carrot	<i>Daucus carota</i>	Exotic	SNA	GNR
sweet fennel	<i>Foeniculum vulgare</i>	Exotic	SNA	GNR
giant cow-parsnip	<i>Heracleum mantegazzianum</i>	Exotic	SNA	GNR
sweet cicely	<i>Myrrhis odorata</i>	Exotic	SNA	GNR
common parsnip	<i>Pastinaca sativa</i>	Exotic	SNA	GNR
sanicle	<i>Sanicula europaea</i>	Exotic	SNA	GNR
Venus' comb	<i>Scandix pecten-veneris</i>	Exotic	SNA	GNR
spreading hedge-parsley	<i>Torilis arvensis</i>	Exotic	SNA	GNR
upright hedge-parsley	<i>Torilis japonica</i>	Exotic	SNA	GNR
English ivy	<i>Hedera helix</i>	Exotic	SNA	GNR
Russian knapweed	<i>Acroptilon repens</i>	Exotic	SNA	GNR
western ragweed	<i>Ambrosia psilostachya</i>	Exotic	SNA	G5
common chamomile	<i>Anthemis arvensis</i>	Exotic	SNA	GNR

stinking chamomile	<i>Anthemis cotula</i>	Exotic	SNA	G5
yellow chamomile	<i>Anthemis tinctoria</i>	Exotic	SNA	GNR
great burdock	<i>Arctium lappa</i>	Exotic	SNA	GNR
common burdock	<i>Arctium minus</i>	Exotic	SNA	GNR
wormwood	<i>Artemisia absinthium</i>	Exotic	SNA	GNR
common mugwort	<i>Artemisia vulgaris</i>	Exotic	SNA	GNR
hairy aster	<i>Aster pilosus</i> var. <i>pilosus</i>	Exotic	SNA	G5T5
English daisy	<i>Bellis perennis</i>	Exotic	SNA	GNR
common beggarticks	<i>Bidens frondosa</i>	Exotic	SNA	G5
three-parted				
beggarticks	<i>Bidens tripartita</i>	Exotic	SNA	G5
plumeless thistle	<i>Carduus acanthoides</i>	Exotic	SNA	GNR
curled thistle	<i>Carduus crispus</i>	Exotic	SNA	GNR
	<i>Carduus nutans</i> ssp.			
nodding thistle	<i>leiophyllus</i>	Exotic	SNA	GNRTNR
	<i>Carthamus lanatus</i> ssp.			
distaff thistle	<i>baeticus</i>	Exotic	SNA	GNRTNR
safflower	<i>Carthamus tinctorius</i>	Exotic	SNA	GNR
spotted knapweed	<i>Centaurea biebersteinii</i>	Exotic	SNA	GNR
cornflower	<i>Centaurea cyanus</i>	Exotic	SNA	GNR
meadow knapweed	<i>Centaurea debeauxii</i>	Exotic	SNA	GNR
diffuse knapweed	<i>Centaurea diffusa</i>	Exotic	SNA	GNR
brown knapweed	<i>Centaurea jacea</i>	Exotic	SNA	GNR
Maltese star-thistle	<i>Centaurea melitensis</i>	Exotic	SNA	GNR
mountain bluet	<i>Centaurea montana</i>	Exotic	SNA	GNR
black knapweed	<i>Centaurea nigra</i>	Exotic	SNA	GNR
short-fringed				
knapweed	<i>Centaurea nigrescens</i>	Exotic	SNA	GNR
jersey knapweed	<i>Centaurea paniculata</i>	Exotic	SNA	GNR
greater centaurea	<i>Centaurea scabiosa</i>	Exotic	SNA	GNR
skeleton-weed	<i>Chondrilla juncea</i>	Exotic	SNA	GNR
chicory	<i>Cichorium intybus</i>	Exotic	SNA	GNR
	<i>Cirsium arvense</i> var.			
Canada thistle	<i>horridum</i>	Exotic	SNA	GNRTNR
marsh thistle	<i>Cirsium palustre</i>	Exotic	SNA	GNR
bull thistle	<i>Cirsium vulgare</i>	Exotic	SNA	GNR
	<i>Conyza canadensis</i> var.			
horseweed	<i>glabrata</i>	Exotic	SNA	G5TNR
garden coreopsis	<i>Coreopsis lanceolata</i>	Exotic	SNA	G5
brass buttons	<i>Cotula coronopifolia</i>	Exotic	SNA	GNR
smooth hawksbeard	<i>Crepis capillaris</i>	Exotic	SNA	GNR
French hawksbeard	<i>Crepis nicaeensis</i>	Exotic	SNA	GNR
annual hawksbeard	<i>Crepis tectorum</i>	Exotic	SNA	GNR
	<i>Crepis vesicaria</i> ssp.			
weedy hawksbeard	<i>taraxacifolia</i>	Exotic	SNA	GNRTNR

great leopard's-bane	<i>Doronicum pardalianches</i>	Exotic	SNA	GNR
annual fleabane	<i>Erigeron annuus</i>	Exotic	SNA	G5
thoroughwort	<i>Eupatorium cannabinum</i>	Exotic	SNA	GNR
	<i>Eupatorium maculatum</i> ssp.			
Joe-pye weed	<i>bruneri</i>	Exotic	SNA	G5T4T5Q
field filago	<i>Filago arvensis</i>	Exotic	SNA	GNR
filago	<i>Filago minima</i>	Exotic	SNA	GNR
common filago	<i>Filago vulgaris</i>	Exotic	SNA	GNR
small-flowered				
galinsoga	<i>Galinsoga parviflora</i>	Exotic	SNA	GNR
shaggy galinsoga	<i>Galinsoga quadriradiata</i>	Exotic	SNA	GNR
	<i>Gnaphalium purpureum</i> var.			
purple cudweed	<i>purpureum</i>	Exotic	SNA	G5TUQ
cotton-batting				
cudweed	<i>Gnaphalium stramineum</i>	Exotic	SNA	G5
woodland cudweed	<i>Gnaphalium sylvaticum</i>	Exotic	SNA	G3G4
marsh cudweed	<i>Gnaphalium uliginosum</i>	Exotic	SNA	G5
	<i>Grindelia squarrosa</i> var.			
curly-cup gumweed	<i>serrulata</i>	Exotic	SNA	G5T5
	<i>Grindelia squarrosa</i> var.			
curly-cup gumweed	<i>squarrosa</i>	Exotic	SNA	G5T5
common sunflower	<i>Helianthus annuus</i>	Exotic	SNA	G5
	<i>Helianthus rigidus</i> var.			
rigid sunflower	<i>subrhomboides</i>	Exotic	SNA	G5T5
orange-red king devil	<i>Hieracium aurantiacum</i>	Exotic	SNA	GNR
yellow king devil	<i>Hieracium caespitosum</i>	Exotic	SNA	GNR
	<i>Hieracium flagellare</i> ssp.			
flagellate hawkweed	<i>flagellare</i>	Exotic	SNA	GNA
European hawkweed	<i>Hieracium lachenalii</i>	Exotic	SNA	GNR
mottled hawkweed	<i>Hieracium maculatum</i>	Exotic	SNA	GNR
wall hawkweed	<i>Hieracium murorum</i>	Exotic	SNA	GNR
mouse-ear hawkweed	<i>Hieracium pilosella</i>	Exotic	SNA	GNR
king devil	<i>Hieracium praealtum</i>	Exotic	SNA	GNR
European king devil	<i>Hieracium sabaudum</i>	Exotic	SNA	GNR
smooth cat's-ear	<i>Hypochaeris glabra</i>	Exotic	SNA	GNR
hairy cat's-ear	<i>Hypochaeris radicata</i>	Exotic	SNA	GNR
elecampane	<i>Inula helenium</i>	Exotic	SNA	GNR
marsh-elder	<i>Iva xanthifolia</i>	Exotic	SNA	G5
Virginia dwarf				
dandelion	<i>Krigia virginica</i>	Exotic	SNA	G5
	<i>Lactuca canadensis</i> var.			
Canadian wild lettuce	<i>canadensis</i>	Exotic	SNA	G5TNRQ
wall lettuce	<i>Lactuca muralis</i>	Exotic	SNA	GNR
prickly lettuce	<i>Lactuca scariola</i>	Exotic	SNA	GNR
nipplewort	<i>Lapsana communis</i>	Exotic	SNA	GNR

autumn hawkbit	<i>Leontodon autumnalis</i>	Exotic	SNA	GNR
hairy hawkbit	<i>Leontodon taraxacoides</i>	Exotic	SNA	GNR
oxeye daisy	<i>Leucanthemum vulgare</i>	Exotic	SNA	GNR
Chilean tarweed	<i>Madia sativa</i>	Exotic	SNA	G5
scentless mayweed	<i>Matricaria perforata</i>	Exotic	SNA	GNR
wild chamomile	<i>Matricaria recutita</i>	Exotic	SNA	GNR
Scotch thistle	<i>Onopordum acanthium</i>	Exotic	SNA	GNR
Japanese butterbur	<i>Petasites japonicus</i> <i>Rudbeckia hirta</i> var.	Exotic	SNA	GNR
black-eyed Susan	<i>pulcherrima</i> <i>Rudbeckia laciniata</i> var.	Exotic	SNA	G5T5
tall coneflower	<i>ampla</i>	Exotic	SNA	G5T3T5
tansy ragwort	<i>Senecio jacobaea</i>	Exotic	SNA	GNR
wood groundsel	<i>Senecio sylvaticus</i>	Exotic	SNA	GNR
sticky ragwort	<i>Senecio viscosus</i>	Exotic	SNA	GNR
common groundsel	<i>Senecio vulgaris</i>	Exotic	SNA	GNR
milk thistle	<i>Silybum marianum</i> <i>Sonchus arvensis</i> var.	Exotic	SNA	GNR
perennial sow-thistle	<i>arvensis</i> <i>Sonchus arvensis</i> var.	Exotic	SNA	GNRTNR
perennial sow-thistle	<i>glabrescens</i>	Exotic	SNA	GNRTNR
prickly sow-thistle	<i>Sonchus asper</i>	Exotic	SNA	GNR
common sow-thistle	<i>Sonchus oleraceus</i>	Exotic	SNA	GNR
feverfew	<i>Tanacetum parthenium</i>	Exotic	SNA	GNR
common tansy	<i>Tanacetum vulgare</i>	Exotic	SNA	GNR
red-seeded dandelion	<i>Taraxacum laevigatum</i>	Exotic	SNA	GNR
common dandelion	<i>Taraxacum officinale</i>	Exotic	SNA	G5
yellow salsify	<i>Tragopogon dubius</i>	Exotic	SNA	GNR
common salsify	<i>Tragopogon porrifolius</i>	Exotic	SNA	GNR
meadow salsify	<i>Tragopogon pratensis</i>	Exotic	SNA	GNR
coltsfoot	<i>Tussilago farfara</i> <i>Xanthium strumarium</i> var.	Exotic	SNA	GNR
common cocklebur	<i>canadense</i>	Exotic	SNA	G5T5
pond water-starwort	<i>Callitriche stagnalis</i>	Exotic	SNA	GNR
European bellflower	<i>Campanula lactiflora</i>	Exotic	SNA	GNR
Canterbury-bells	<i>Campanula medium</i>	Exotic	SNA	GNR
peach-leaved				
bellflower	<i>Campanula persicifolia</i>	Exotic	SNA	GNR
creeping bellflower	<i>Campanula rapunculoides</i>	Exotic	SNA	GNR
Indian-tobacco	<i>Lobelia inflata</i>	Exotic	SNA	G5
English holly	<i>Ilex aquifolium</i>	Exotic	SNA	G5
Etruscan honeysuckle	<i>Lonicera etrusca</i> <i>Dipsacus fullonum</i> ssp.	Exotic	SNA	GNR
Fuller's teasel	<i>sylvestris</i>	Exotic	SNA	GNRTNR

field scabious	<i>Knautia arvensis</i>	Exotic	SNA	GNR
garden heliotrope	<i>Valeriana officinalis</i>	Exotic	SNA	GNR
cornsalad	<i>Valerianella locusta</i>	Exotic	SNA	G5
heather	<i>Calluna vulgaris</i>	Exotic	SNA	G5
American cranberry	<i>Oxycoccus macrocarpus</i>	Exotic	SNA	G4
highbush huckleberry	<i>Vaccinium corymbosum</i>	Exotic	SNA	G5
milk spurge	<i>Chamaesyce maculata</i>	Exotic	SNA	G5?
cypress spurge	<i>Euphorbia cyparissias</i>	Exotic	SNA	G5
leafy spurge	<i>Euphorbia esula</i>	Exotic	SNA	GNR
dwarf spurge	<i>Euphorbia exigua</i>	Exotic	SNA	GNR
summer spurge	<i>Euphorbia helioscopia</i>	Exotic	SNA	G5
caper spurge	<i>Euphorbia lathyris</i>	Exotic	SNA	GNR
petty spurge	<i>Euphorbia peplus</i>	Exotic	SNA	GNR
common periwinkle	<i>Vinca minor</i>	Exotic	SNA	GNR
oval-leaved milkweed	<i>Asclepias ovalifolia</i>	Exotic	SNA	G5?
common centaury	<i>Centaurium erythraea</i>	Exotic	SNA	GNR
Eurasian water-milfoil	<i>Myriophyllum spicatum</i>	Exotic	SNA	GNR
European bugloss	<i>Anchusa arvensis</i>	Exotic	SNA	GNR
Italian bugloss	<i>Anchusa azurea</i>	Exotic	SNA	GNR
alkanet	<i>Anchusa officinalis</i>	Exotic	SNA	GNR
madwort	<i>Asperugo procumbens</i>	Exotic	SNA	GNR
common borage	<i>Borago officinalis</i>	Exotic	SNA	GNR
common hound's-tongue	<i>Cynoglossum officinale</i>	Exotic	SNA	GNR
viper's bugloss	<i>Echium vulgare</i>	Exotic	SNA	GNR
bristly stickseed	<i>Lappula squarrosa</i>	Exotic	SNA	GNR
corn gromwell	<i>Lithospermum arvense</i>	Exotic	SNA	GNR
field forget-me-not	<i>Myosotis arvensis</i>	Exotic	SNA	GNR
common forget-me-not	<i>Myosotis discolor</i>	Exotic	SNA	G5
European forget-me-not	<i>Myosotis scorpioides</i>	Exotic	SNA	G5
blue forget-me-not	<i>Myosotis stricta</i>	Exotic	SNA	GNR
wood forget-me-not	<i>Myosotis sylvatica</i>	Exotic	SNA	G5
green alkanet	<i>Pentaglottis sempervirens</i>	Exotic	SNA	GNR
rough comfrey	<i>Symphytum asperum</i>	Exotic	SNA	GNR
common comfrey	<i>Symphytum officinale</i>	Exotic	SNA	GNR
hybrid comfrey	<i>Symphytum x uplandicum</i>	Exotic	SNA	GNA
basil-thyme	<i>Acinos arvensis</i>	Exotic	SNA	G5
giant-hyssop	<i>Agastache foeniculum</i>	Exotic	SNA	G4G5
bugle-weed	<i>Ajuga reptans</i>	Exotic	SNA	GNR
wild basil savory	<i>Clinopodium vulgare</i>	Exotic	SNA	G5

Eurasian dragonhead	<i>Dracocephalum thymiflorum</i>	Exotic	SNA	GNR
bifid hemp-nettle	<i>Galeopsis bifida</i>	Exotic	SNA	G5
hemp-nettle	<i>Galeopsis tetrahit</i>	Exotic	SNA	GNR
ground-ivy	<i>Glechoma hederacea</i>	Exotic	SNA	GNR
common dead-nettle	<i>Lamium amplexicaule</i>	Exotic	SNA	GNR
	<i>Lamium purpureum</i> var.			
purple dead-nettle	<i>incisum</i>	Exotic	SNA	GNRTNR
	<i>Lamium purpureum</i> var.			
purple dead-nettle	<i>purpureum</i>	Exotic	SNA	GNRTNR
common motherwort	<i>Leonurus cardiaca</i>	Exotic	SNA	GNR
European horehound	<i>Lycopus europaeus</i>	Exotic	SNA	GNR
common horehound	<i>Marrubium vulgare</i>	Exotic	SNA	GNR
lemon balm	<i>Melissa officinalis</i>	Exotic	SNA	GNR
water mint	<i>Mentha aquatica</i>	Exotic	SNA	GNR
pennyroyal	<i>Mentha pulegium</i>	Exotic	SNA	GNR
spearmint	<i>Mentha spicata</i>	Exotic	SNA	GNR
applemint	<i>Mentha suaveolens</i>	Exotic	SNA	GNR
red mint	<i>Mentha x gracilis</i>	Exotic	SNA	GNA
peppermint	<i>Mentha x piperita</i>	Exotic	SNA	GNA
catnip	<i>Nepeta cataria</i>	Exotic	SNA	GNR
wild marjoram	<i>Origanum vulgare</i>	Exotic	SNA	GNR
	<i>Prunella vulgaris</i> ssp.			
self-heal	<i>vulgaris</i>	Exotic	SNA	G5TNR
wood sage	<i>Salvia nemorosa</i>	Exotic	SNA	GNR
field hedge-nettle	<i>Stachys arvensis</i>	Exotic	SNA	GNR
lamb's-ear	<i>Stachys byzantina</i>	Exotic	SNA	GNR
	<i>Thymus praecox</i> ssp.			
creeping thyme	<i>arcticus</i>	Exotic	SNA	GNRTNR
pale flax	<i>Linum bienne</i>	Exotic	SNA	GNR
common flax	<i>Linum usitatissimum</i>	Exotic	SNA	GNR
velvet-leaf	<i>Abutilon theophrasti</i>	Exotic	SNA	GNR
musk mallow	<i>Malva moschata</i>	Exotic	SNA	GNR
dwarf mallow	<i>Malva neglecta</i>	Exotic	SNA	GNR
small-flowered				
mallow	<i>Malva parviflora</i>	Exotic	SNA	GNR
small mallow	<i>Malva rotundifolia</i>	Exotic	SNA	GNR
common mallow	<i>Malva sylvestris</i>	Exotic	SNA	GNR
Hyssop loosestrife	<i>Lythrum hyssopifolia</i>	Exotic	SNA	G5
European water-				
purslane	<i>Lythrum portula</i>	Exotic	SNA	GNR
purple loosestrife	<i>Lythrum salicaria</i>	Exotic	SNA	G5
hairy willowherb	<i>Epilobium hirsutum</i>	Exotic	SNA	GNR
toothed willow-herb	<i>Epilobium montanum</i>	Exotic	SNA	GNR
small-flowered hairy				
willow-herb	<i>Epilobium parviflorum</i>	Exotic	SNA	GNR

common evening-primrose	<i>Oenothera biennis</i>	Exotic	SNA	G5
red-sepaled evening-primrose	<i>Oenothera glazioviana</i>	Exotic	SNA	GU
perennial sundrops	<i>Oenothera perennis</i>	Exotic	SNA	G5
spurge-laurel	<i>Daphne laureola</i>	Exotic	SNA	GNR
buck's-horn plantain	<i>Plantago coronopus</i>	Exotic	SNA	G5
ribwort plantain	<i>Plantago lanceolata</i>	Exotic	SNA	G5
common plantain	<i>Plantago major</i>	Exotic	SNA	G5
hoary plantain	<i>Plantago media</i>	Exotic	SNA	G5
whorled plantain	<i>Plantago psyllium</i>	Exotic	SNA	GNR
	<i>Anagallis arvensis</i> ssp.			
scarlet pimpernel	<i>arvensis</i>	Exotic	SNA	GNRTNR
creeping loosestrife	<i>Lysimachia nummularia</i>	Exotic	SNA	GNR
spotted loosestrife	<i>Lysimachia punctata</i>	Exotic	SNA	GNR
bog loosestrife	<i>Lysimachia terrestris</i>	Exotic	SNA	G5
yellow loosestrife	<i>Lysimachia vulgaris</i>	Exotic	SNA	GNR
Russian olive	<i>Elaeagnus angustifolia</i>	Exotic	SNA	GNR
white bedstraw	<i>Galium mollugo</i>	Exotic	SNA	GNR
sweet woodruff	<i>Galium odoratum</i>	Exotic	SNA	GNR
wall bedstraw	<i>Galium parisiense</i>	Exotic	SNA	GNR
false cleavers	<i>Galium spurium</i>	Exotic	SNA	GNR
yellow bedstraw	<i>Galium verum</i>	Exotic	SNA	GNR
field madder	<i>Sherardia arvensis</i>	Exotic	SNA	GNR
box-elder	<i>Acer negundo</i>	Exotic	SNA	G5
Norway maple	<i>Acer platanoides</i>	Exotic	SNA	GNR
sycamore maple	<i>Acer pseudoplatanus</i>	Exotic	SNA	GNR
puncture vine	<i>Tribulus terrestris</i>	Exotic	SNA	GNR
butterfly-bush	<i>Buddleja davidii</i>	Exotic	SNA	G4G5
common privet	<i>Ligustrum vulgare</i>	Exotic	SNA	GNR
common dwarf snapdragon	<i>Chaenorhinum minus</i>	Exotic	SNA	GNR
ivy-leaved toadflax	<i>Cymbalaria muralis</i>	Exotic	SNA	GNR
common foxglove	<i>Digitalis purpurea</i>	Exotic	SNA	GNR
eastern eyebright	<i>Euphrasia nemorosa</i>	Exotic	SNA	G5
sharp-leaved fluellen	<i>Kickxia elatine</i>	Exotic	SNA	GNR
	<i>Linaria genistifolia</i> ssp.			
Dalmatian toadflax	<i>dalmatica</i>	Exotic	SNA	G5T5?
purple toadflax	<i>Linaria purpurea</i>	Exotic	SNA	GNR
butter-and-eggs	<i>Linaria vulgaris</i>	Exotic	SNA	GNR
yellow parentucellia	<i>Parentucellia viscosa</i>	Exotic	SNA	GNR
moth mullein	<i>Verbascum blattaria</i>	Exotic	SNA	GNR
woolly mullein	<i>Verbascum phlomoides</i>	Exotic	SNA	GNR
great mullein	<i>Verbascum thapsus</i>	Exotic	SNA	GNR
blue water speedwell	<i>Veronica anagallis-aquatica</i>	Exotic	SNA	G5

wall speedwell	<i>Veronica arvensis</i>	Exotic	SNA	GNR
bilobed speedwell	<i>Veronica biloba</i>	Exotic	SNA	GNR
germander speedwell	<i>Veronica chamaedrys</i>	Exotic	SNA	GNR
slender speedwell	<i>Veronica filiformis</i>	Exotic	SNA	GNR
ivy-leaved speedwell	<i>Veronica hederifolia</i>	Exotic	SNA	GNR
common speedwell	<i>Veronica officinalis</i>	Exotic	SNA	G5
	<i>Veronica peregrina</i> var.			
purslane speedwell	<i>peregrina</i>	Exotic	SNA	G5T5
bird's-eye speedwell	<i>Veronica persica</i>	Exotic	SNA	GNR
thyme-leaved	<i>Veronica serpyllifolia</i> var.			
speedwell	<i>serpyllifolia</i>	Exotic	SNA	G5TNR
spring speedwell	<i>Veronica verna</i>	Exotic	SNA	GNR
field bindweed	<i>Convolvulus arvensis</i>	Exotic	SNA	GNR
hedge bindweed	<i>Convolvulus sepium</i>	Exotic	SNA	G5
clustered dodder	<i>Cuscuta approximata</i>	Exotic	SNA	GNR
button-bush dodder	<i>Cuscuta cephalanthi</i>	Exotic	SNA	G5
common dodder	<i>Cuscuta epithymum</i>	Exotic	SNA	GNR
globe gilia	<i>Gilia capitata</i> var. <i>capitata</i>	Exotic	SNA	G5T5
jimsonweed	<i>Datura stramonium</i>	Exotic	SNA	GU
matrimony vine	<i>Lycium barbarum</i>	Exotic	SNA	GNR
	<i>Solanum americanum</i> var.			
black nightshade	<i>nodiflorum</i>	Exotic	SNA	GNR
	<i>Solanum dulcamara</i> var.			
European bittersweet	<i>dulcamara</i>	Exotic	SNA	GNRTNR
hairy nightshade	<i>Solanum physalifolium</i>	Exotic	SNA	GNR
buffalo-bur	<i>Solanum rostratum</i>	Exotic	SNA	G5?
cut-leaved				
nightshade	<i>Solanum triflorum</i>	Exotic	SNA	G5
tutsan	<i>Hypericum androsaemum</i>	Exotic	SNA	GNR
northern bog St.				
John's-wort	<i>Hypericum boreale</i>	Exotic	SNA	G5
spotted St. John's-wort	<i>Hypericum maculatum</i> ssp. <i>obtusiusculum</i>	Exotic	SNA	GNRTNR
small Canadian St.				
John's-wort	<i>Hypericum mutilum</i>	Exotic	SNA	G5
common St. John's-wort	<i>Hypericum perforatum</i>	Exotic	SNA	GNR
Fraser's St. John's-wort	<i>Triadenum fraseri</i>	Exotic	SNA	G5
common hop	<i>Humulus lupulus</i>	Exotic	SNA	G5
white mulberry	<i>Morus alba</i>	Exotic	SNA	GNR
wild cucumber	<i>Echinocystis lobata</i>	Exotic	SNA	G5
European field pansy	<i>Viola arvensis</i>	Exotic	SNA	GNR

	<i>Viola lanceolata</i> ssp.			
lance-leaved violet	<i>lanceolata</i>	Exotic	SNA	G5T5
sweet violet	<i>Viola odorata</i>	Exotic	SNA	GNR
Johnny-jump-up	<i>Viola tricolor</i>	Exotic	SNA	GNR

Appendix 4 Non-marine molluscs - provincial responsibility

Common Name	Species	Subsp	CDC	Status		IWMS	COSEWIC	Responsibility		Global Range
				S Rank	G Rank			Spp	Disjunct	
	Gastropoda									
	Acroloxidae									
Rocky Mountain Capshell	<i>Acroloxus coloradensis</i> ¹		B	S3	G3		NAR	2	1	S
	Ancylidae									
Fragile Ancyloid	<i>Ferrissia fragilis</i> ²		Y	S4	G5			1		L
Oblong Ancyloid	<i>Ferrissia parallelus</i>		Y	S5	G5			2		L
Creeping Ancyloid	<i>Ferrissia rivularis</i> ³		Y	S4S5	G5			1 or 2		L
	Arionidae									
Pacific Bananaslug	<i>Ariolimax columbianus</i>		Y	S5	G5			3-4?		S
Pale Jumping-slug	<i>Hemphillia camelus</i>		B	S3	G3G4			3		S
Dromedary Jumping-slug	<i>Hemphillia dromedarius</i>		R	S2	G3G4		T	5		S
Warty Jumping Slug	<i>Hemphillia glandulosa</i>		B	S2S3	G3G4		SC	3		S
Malone Jumping Slug	<i>Hemphillia malonei</i>		Y	SNR	G3			0 or 1,		S
Magnum Mantleslug	<i>Magnipelta mycophaga</i>		B	S2S3	G3			1 or 3		S
Reticulate Taildropper	<i>Prophysaon andersoni</i>		Y	S5	G5			4		S
Blue-grey Taildropper	<i>Prophysaon coeruleum</i>		R	S1	G4		E	0		S
Yellow-bordered Taildropper	<i>Prophysaon foliolatum</i>		Y	S4	G4G5			4		S
Scarletback Taildropper	<i>Prophysaon vanattae</i>		B	S3S4	G4			1 or 3		S
	Bradybaenidae									
Pacific Sideband	<i>Monadenia fidelis</i>		B	S3S4	G4G5			3?		S
	Carychiidae									
Western Thorn	<i>Carychium occidentale</i>		B	S2S3	G3G4			3		S
	Cionellidae									
Glossy Pillar	<i>Cochlicopa lubrica</i>		Y	S5	G5			2		L
	Discidae									
Banded Tigersnail	<i>Anguispira kochi</i>		B	S3	G5			1	2	
Striate Disc	<i>Discus shimekii</i>		Y	S5	G5			2		
Forest Disc	<i>Discus whitneyi</i>		Y	S5	G5			2		L
	Haplotrematidae									
Oregon Lancetooth	<i>Ancotrema hybridum</i>		Y	S5	G5			3?		S
Beaded Lancetooth	<i>Ancotrema sportella</i>		Y	S4	G4			3?		S
Robust Lancetooth	<i>Haplotrema vancouverense</i>		Y	S5	G5			3?		S
	Helicarionidae									
Brown Hive	<i>Euconulus fulvus</i>		Y	S5	G5			2		L
Marsh Hive European	<i>Euconulus praticola</i> ⁴		Y	S4	G5			1		S
	Hydrobiidae									
Rocky Mountain Dusksnail	<i>Colligyrus greggi</i> ⁵		NS	SNA	G4					S

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Ashy Pebblesnail	<i>Fluminicola fuscus</i> ⁶	R	SH	G2	1	S
Pristin Pyrg	<i>Pristinicola hemphilli</i> ⁵	NS	SNA	G3		S
Limaceae						
Evening Fieldslug	<i>Deroceras hesperium</i>	R	SH	G2	1	S
Meadow Slug	<i>Deroceras laeve</i>	Y	S5	G5	2	L
Lymnaeidae						
Shortface Lanx	<i>Fisherola nuttalli</i>	R	SH	G2	0	S
Prairie Fossaria	<i>Fossaria bulimoides</i>	Y	S4	G5	0	
	<i>Fossaria cockerelli</i> ⁵	NS	SNA	G3G4Q	U	S
Dusky Fossaria	<i>Fossaria dalli</i> ⁵	NS	SNA	G5	0	
Boreal Fossaria	<i>Fossaria galbana</i>	Y	S4S5	G5	1	
Rock Fossaria	<i>Fossaria modicella</i>	Y	S5	G5	2	L
Pygmy Fossaria	<i>Fossaria parva</i>	B	S3S4	G5	2	L
	<i>Fossaria techella</i> ⁵	NS	SNA	G3G4Q	U	S
Attenuate Fossaria	<i>Fossaria truncatula</i> ⁷	B	S3	G3Q	5 or 1	S
	<i>Fossaria vancouverensis</i>	R	SH	GHQ	6	S
Abbreviated Pondsnaail	<i>Stagnicola apicina</i>	B	S2S3	G5	1	
Arctic Pondsnaail	<i>Stagnicola arctica</i>	Y	S5	G5	2	
Wrinkled Marshsnail	<i>Stagnicola caperata</i>	Y	S4S5	G5	1	L
Woodland Pondsnaail	<i>Stagnicola catascopium</i>	Y	S5	G5	2	L
Marsh Pondsnaail	<i>Stagnicola elodes</i> ⁸	Y	S5	G5	2	L
Mountain Marshsnail	<i>Stagnicola montanensis</i> ⁵	NS	SNA	G3	0	S
Widelip Pondsnaail	<i>Stagnicola traski</i> ⁵	NS	SNA	G3	U	S
Oreohelicidae						
Rocky Mountainsnaail	<i>Oreohelix strigosa</i>	B	S3S4	G5	1	
Subalpine Mountainsnaail	<i>Oreohelix subrudis</i>	B	S3S4	G5	1	S
Physidae						
Lance Aplexa	<i>Aplexa elongata</i>	Y	S5	G5	2	L
Obtuse Physa	<i>Physa jennessi</i>	NS	SU	G5	1	
Cloaked Physa	<i>Physa megalochlamys</i> ⁹	NS	SU	G3	1	S
Frigid Physa	<i>Physa sibirica</i> ¹⁰	R	S2	G4G5	1	S
Glass Physa	<i>Physa skinneri</i>	Y	S5	G5	1	L
Rotund Physa	<i>Physella columbiana</i> ¹¹	R	S1	G2	1	S
Olive Physa	<i>Physella cooperi</i> ⁵	NS	SNA	G3	U	S
Tadpole Physa	<i>Physella gyrina</i>	Y	S5	G5	2	L
Pewter Physa	<i>Physella heterostropha</i> ¹²	R	S1S3	G5Q	1	possibly, L
Grain Physa	<i>Physella hordacea</i>	NS	SU	G1	4	S
Ashy Physa	<i>Physella integra</i> ¹²	R	S1S3	G5	1	possibly, L
Twisted Physa	<i>Physella lordi</i>	Y	S5	G5	4	S
Rocky Mountain Physa	<i>Physella propinqua</i>	Y	S5	G5	2	S
Sunset Physa	<i>Physella virginea</i>	Y	S5	G4	4	S

Hotwater Physa	<i>Physella wrighti</i>	R	S1	G1Q	E	7	S
	Planorbidae						
Disc Gyro	<i>Gyraulus circumstriatus</i>	Y	S5	G5		2	L
Star Gyro	<i>Gyraulus crista</i>	Y	S5	G5		1	L
Flexed Gyro	<i>Gyraulus deflectus</i>	Y	S5	G5		2	L
Ash Gyro	<i>Gyraulus parvus</i> ¹³	Y	S5	G5		2	L
Two-Ridge Rams-Horn	<i>Helisoma anceps</i>	Y	S5	G5		2	L
Button Sprite	<i>Menetus opercularis</i>	Y	S5	G5		3	S
Coarse Rams-horn	<i>Planorbella binneyi</i>	Y	S4S5	G4Q		4?	S
Caribou Rams-horn	<i>Planorbella columbiensis</i>	R	SH	G1G2		7	S
Fine-lined Rams-horn	<i>Planorbella occidentalis</i> ⁵	NS	SNA	G3		U	S
Rough Rams-horn	<i>Planorbella subcrenata</i>	Y	S5	G5		2	
Marsh Rams-horn	<i>Planorbella trivolvis</i>	Y	S5	G5		2	L
Thicklip Rams-horn	<i>Planorbula armigera</i>	B	S3S4	G5		1	L
Meadow Rams-horn	<i>Planorbula campestris</i>	Y	S5	G4		1	
Sharp Sprite	<i>Promenetus exacuous</i> ¹⁴	Y	S5	G5		2	L
Umbilicate Sprite	<i>Promenetus umbilicatellus</i>	B	S3S4	G4		0	L
	Pleuroceridae						
Pleated Juga	<i>Juga plicifera</i> ¹⁵	NS	SNA	G3		0	S
	Polygridae						
Idaho Forestsnail	<i>Allogona ptychophora</i>	Y	S4	G5		3	S
Oregon Forestsnail	<i>Allogona townsendiana</i>	R	S1S2	G3G4	E	0	S
Puget Oregonian	<i>Cryptomastix devia</i>	R	SX	G3	XT	0	S
Pygmy Oregonian	<i>Cryptomastix germana</i>	Y	S4	G4		3?	S
Coeur d'Alene Oregonian	<i>Cryptomastix mullani</i>	B	S3S5	G4		3	S
Northwest Hesperian	<i>Vespericola columbianus</i>	Y	S5	G5		3 or 4	S
	Punctidae						
Ribbed Spot	<i>Punctum californicum</i>	Y	SNR	G5		0	
Conical Spot	<i>Punctum randolphi</i>	Y	S4	G4		3?	S
	Pupillidae						
Mellow Column	<i>Columella columella</i>	Y	S5	G5		2	L
Toothless Column	<i>Columella edentula</i>	Y	S5	G5		2	L
Lambda Snaggletooth	<i>Gastrocopta holzingeri</i>	B	S3?	G5		0	L
Frigid Lymnaea	<i>Lymnaea atkaensis</i>	Y	S4S5	G4G5		3?	S
Swamp Lymnaea	<i>Lymnaea stagnalis</i>	Y	S5	G5		2	L
Threaded Vertigo	<i>Nearctula sp. 1</i>	R	S2	GNR		1	S
Crestless Column	<i>Pupilla hebes</i> ¹⁶	B	S3S4	G5		0-1	M
Pacific Vertigo	<i>Vertigo andrusiana</i>	R	S2	G2G3		3?	S
Callused Vertigo	<i>Vertigo arthuri</i>	B	S3	G3Q		1	S
Cylindrical Vertigo	<i>Vertigo binneyana</i> ¹⁷	NS	SU	G1		?	S
Columbia Vertigo	<i>Vertigo columbiana</i>	Y	S5	G5		6	S

Crested Vertigo	<i>Vertigo cristata</i>	Y	S5	G5	2	S
Tapered Vertigo	<i>Vertigo elatior</i>	R	SH	G5	0	L
Variable Vertigo	<i>Vertigo gouldi</i>	Y	S5	G5	2	L
Cross Vertigo	<i>Vertigo modesta</i>	Y	S5	G5	2	L
Ovate Vertigo	<i>Vertigo ovata</i>	Y	S5	G5	2	L
Succineidae						
Ruddy Ambersnail	<i>Oxyloma groenlandicum</i>	NS	SU	G3G4	2	S
Boundary Ambersnail	<i>Oxyloma hawkinsi</i>	NS	SU	G3G4	3-4?	S
Oblique Ambersnail	<i>Oxyloma nuttallianum</i>	NS	SU	G2G4	U	S
Oregon Ambersnail	<i>Succinea oregonensis</i> ¹⁸	Y	SNR	G2G4	?	S
Rustic Ambersnail	<i>Succinea rusticana</i> ¹⁹	Y	SNR	G2G3	?	S
Striate Ambersnail	<i>Succinea strigata</i>	Y	S4	G4	1	S
Suboval Ambersnail	<i>Catinella vermeta</i> ¹⁹	NS	SU	G5	2	L
Thysanophoridae						
Vancouver Snail	<i>Microphysula cookei</i>	Y	S4	G4	3 or 4?	S
Spruce Snail	<i>Microphysula ingersolli</i>	Y	S5	G4G5	1	
Valvatidae						
Glossy Valvata	<i>Valvata humeralis</i>	R	SH	G5Q	0	S
Fringed Valvata	<i>Valvata lewisi</i>	Y	S5	G5	2	
Rams-horn Valvata	<i>Valvata mergella</i> ⁵	NS	SNA	G2	U	S
Mossy Valvata	<i>Valvata sincera</i>	Y	S5	G5	2	L
Threeridge Valvata	<i>Valvata tricarinata</i>	R	SH	G5	1	L
Valloniidae						
Western Flat-whorl	<i>Planogyra clappi</i>	Y	S4	G4G5	3 or 4?	S
Indicisive Vallonia	<i>Vallonia albula</i>	Y	SNR	G4Q	U	
Silky Vallonia	<i>Vallonia cyclophorella</i>	B	S3	G5	2	L
Multirib Vallonia	<i>Vallonia gracilicosta</i>	Y	S5	G5Q	2	L
Boreal Top	<i>Zoogenetes harpa</i>	Y	S5	G5	2	
Vitrinidae						
Western Glass-snail	<i>Vitrina pellucida</i>	Y	S5	G5	2	
	<i>Vitrina pellucida</i> <i>alaskan</i>	Y	SNR	G5T5	2	S
Zonitidae						
Blue Glass	<i>Nesovitrea binneyana</i>	Y	S5	G5	2	L
Amber Glass	<i>Nesovitrea electrina</i>	Y	S5	G5	2	L
Northern Tightcoil	<i>Pristiloma arcticum</i>	B	S3S4	G3G4	2	S
Black-foot Tightcoil	<i>Pristiloma chersinella</i>	B	S3S4	G3G4	5	S
Broad-whorl Tightcoil	<i>Pristiloma johnsoni</i>	B	S2S3	G2G3	4?	S
Denticulate Tightcoil	<i>Pristiloma lansingi</i>	Y	S5	G5	4	S
Striate Tightcoil	<i>Pristiloma stearnsi</i>	Y	S4	G4G5	2	S
Northwest Striate	<i>Striatura pugetensis</i>	Y	S5	G5	U	S
Quick Gloss	<i>Zonitoides arboreus</i>	Y	S5	G5	2	L

Black Gloss	<i>Zonitoides nitidus</i>	B	S3S4	G5		2		L
	Bivalvia							
	Haliotidae							
Northern Abalone	<i>Haliotis kamtschatkana</i>	R	S2	GNR	T	3		S
	Ostreidae							
Olympia Oyster	<i>Ostrea conchaphila</i>	B	S3	G5	SC	2		S
	Sphaeriidae							
Lake Fingernailclam	<i>Musculium lacustre</i>	Y	S5	G5		2		
Swamp Fingernailclam	<i>Musculium partumeium</i>	R	SH	G5		0	1?	
Pond Fingernailclam	<i>Musculium securis</i>	Y	S5	G5		2		
Long Fingernailclam	<i>Musculium transversum</i> ²⁰	Y	S4?	G5		2		
Ubiquitous Peaclam	<i>Pisidium casertanum</i>	Y	S5	G5		2		
Ridgebeak Peaclam	<i>Pisidium compressum</i>	Y	S5	G5		2		
Alpine Peaclam	<i>Pisidium conventus</i>	Y	S5	G5		2		S
River Peaclam	<i>Pisidium fallax</i>	Y	S5	G5		1		S
Rusty Peaclam	<i>Pisidium ferrugineum</i>	Y	S5	G5		2		
Giant Northern Peaclam	<i>Pisidium idahoense</i>	Y	S5	G5		2		S
Tiny Peaclam	<i>Pisidium insigne</i>	Y	S5	G5		0	1?	S
Lilljeborg Peaclam	<i>Pisidium lilljeborgi</i>	Y	S5	G5		2		
Quadrangular Peaclam	<i>Pisidium milium</i> ⁵	Y	S5	G5		2		S
Shiny Peaclam	<i>Pisidium nitidum</i>	Y	S5	G5		2		
Fat Peaclam	<i>Pisidium rotundatum</i>	Y	S4	G5		1		S
Perforated Peaclam	<i>Pisidium simplex</i>	Y	S4	G5		2		S
Shortended Peaclam	<i>Pisidium subtruncatum</i>	Y	S4	G5		2		S
Triangular Peaclam	<i>Pisidium variabile</i>	Y	S5	G5		2		
Globulor Peaclam	<i>Pisidium ventricosum</i>	Y	S5	G5		2		
Arctic Fingernailclam	<i>Sphaerium nitidum</i>	Y	S5	G5		2		L
Herrington Fingernailclam	<i>Sphaerium occidentale</i>	R	SH	G5		1	2	
Rocky Mt. Fingernailclam	<i>Sphaerium patella</i>	B	S2S3	G5		0		S
Rhomboid Fingernailclam	<i>Sphaerium rhomboideum</i>	Y	S5	G5		1		
Grooved Fingernailclam	<i>Sphaerium simile</i>	Y	S5	G5		2		
Striated Fingernailclam	<i>Sphaerium striatinum</i>	NS	SU	G5		2		
	Unionoidea							
Yukon Floater	<i>Anodonta beringiana</i> ⁵	NS	SNA	G4		0		S
California Floater	<i>Anodonta californiensis</i> ²¹	B	S3	G3Q		1		S
Western Floater	<i>Anodonta kennerlyi</i>	Y	S4	G4		5		S
Winged Floater	<i>Anodonta nuttalliana</i>	B	S3S4	G3G4		3		S
Oregon Floater	<i>Anodonta oregonensis</i>	Y	S4	G5Q		4?		S
Western Ridged Mussel	<i>Gonidea angulata</i>	R	S1	G3	SC	1		S
Western Pearlshell	<i>Margaritifera falcata</i>	Y	S5	G4		2		S

Exotic							
Waxy Glass Snail	<i>Aegopinella nitidula</i>	Exotic	SNA	G5	0		S
Brown-banded Arion	<i>Arion circumscriptus</i>	Exotic	SNA	G5	2		
Darkface Arion	<i>Arion distinctus</i>	Exotic	SNA	G5	1		S
	<i>Arion hortensis</i>	Exotic	SNA	G5	?		
Hedgehog Arion	<i>Arion intermedius</i>	Exotic	SNA	G5	1		S
Chocolate Arion	<i>Arion rufus</i>	Exotic	SNA	G4G5	2		S
Forest Arion	<i>Arion silvaticus</i>	Exotic	SNA	G5	1		S
Dusky Arion	<i>Arion subfuscus</i>	Exotic	SNA	G5	2		
Mud Bithynia	<i>Bithynia tentaculata</i> ⁵	Exotic	SNA	G5	?		
Wormslug	<i>Boettgerilla pallens</i>	Exotic	SNA	G5	1		S
Herald Thorn	<i>Carychium minimum</i>	Exotic	SNA	G5	1		S
Grovesnail	<i>Cepaea nemoralis</i>	Exotic	SNA	G5	2		L
Chinese Mysterysnail	<i>Cipangopaludina chinensis</i>	Exotic	SNA	G5	0		L
Longneck Fieldslug	<i>Deroceras panormitanum</i>	Exotic	SNA	G5	1		S
Gray Fieldslug	<i>Deroceras reticulatum</i>	Exotic	SNA	G5	2		L
Rotund Disc	<i>Discus rotundatus</i>	Exotic	SNA	G5	0		
Brown Gardensnail	<i>Helix aspersa</i>	Exotic	SNA	G5	?		
Chrysalis Snail	<i>Lauria cylindracea</i>	Exotic	SNA	G5	1		S
Threeband Gardenslug	<i>Lehmannia valentiana</i>	Exotic	SNA	G5	1		S
Yellow Gardenslug	<i>Limax flavus</i>	Exotic	SNA	G5	1		S
Giant Gardenslug	<i>Limax maximus</i>	Exotic	SNA	G5	2		L
Garlic Glass-snail	<i>Oxychilus alliarius</i>	Exotic	SNA	G5	1		S
Cellar Glass-snail	<i>Oxychilus cellarius</i>	Exotic	SNA	G5	1		
Dark-bodied Glass-snail	<i>Oxychilus draparnaudi</i>	Exotic	SNA	G5	1		
Polished Physa	<i>Physella mexicana</i>	Exotic	SNA	G4G5	?		S
Mimic Lymnaea	<i>Pseudosuccinea columella</i>	Exotic	SNA	G5	?		L
Big-eared Radix	<i>Radix auricularia</i>	Exotic	SNA	G5	2		L
Earshell Slug	<i>Testacella haliotidea</i>	Exotic	SNA	G5	1		S
Iroquois Vallonia	<i>Vallonia excentrica</i>	Exotic	SNA	G5	2		L
Lovely Vallonia	<i>Vallonia pulchella</i>	Exotic	SNA	G5	2		L
Contracted Glass-snail	<i>Vitrea contracta</i>	Exotic	SNA	G5	1		S

Appendix 5 Dragonflies and damselflies - provincial responsibility

English Name	Species	CDC	S rank	Status			Responsibility		Global Range
				G rank	IWMS	COSEWIC	Species	Disjunct	
	Odonata								
	Aeshnidae								
Canada Darner	<i>Aeshna canadensis</i>	Y	S5	G5			2		L
Lance-tailed Darner	<i>Aeshna constricta</i>	R	S2	G5			1		L
Lake Darner	<i>Aeshna eremita</i>	Y	S5	G5			2		L
Variable Darner	<i>Aeshna interrupta</i>	Y	S5	G5			2		L
Sedge Darner	<i>Aeshna juncea</i>	Y	S5	G5			2		L
Paddle-tailed Darner	<i>Aeshna palmata</i>	Y	S5	G5			2		M
Azure Darner	<i>Aeshna septentrionalis</i>	Y	S4	G5			2		M
Zigzag Darner	<i>Aeshna sitchensis</i>	Y	S5	G5			2		L
Muskeg Darner	<i>Aeshna subarctica</i>	Y	S5	G5			2		L
Black-tipped Darner	<i>Aeshna tuberculifera</i>	Y	S4	G4			2		L
Shadow Darner	<i>Aeshna umbrosa</i>	Y	S5	G5			2		L
Common Green Darner	<i>Anax junius</i>	Y	S5	G5			1		L
California Darner	<i>Rhionaeschna californica</i>	Y	S5	G5			3		M
Blue-eyed Darner	<i>Rhionaeschna multicolor</i>	Y	S5	G5			1		M
	Coenagrionidae								
Western Red Damsel	<i>Amphiagrion abbreviatum</i>	Y	S4	G5			2		M
Emma's Dancer	<i>Argia emma</i>	B	S3S4	G5			1		M
Vivid Dancer	<i>Argia vivida</i>	R	S2	G5			1		M
River Jewelwing	<i>Calopteryx aequabilis</i>	R	S1	G5			1		L
Prairie Bluet	<i>Coenagrion angulatum</i>	Y	S3S4	G5			1		M
Subarctic Bluet	<i>Coenagrion interrogatum</i>	Y	S4S5	G5			2		L
Taiga Bluet	<i>Coenagrion resolutum</i>	Y	S5	G5			2		L
American Emerald	<i>Cordulia shurtleffii</i>	Y	S5	G5			2		L
Northern Bluet	<i>Enallagma annexum</i>	Y	S5	G5			2		L
Boreal Bluet	<i>Enallagma boreale</i>	Y	S5	G5			2		L
Tule Bluet	<i>Enallagma carunculatum</i>	Y	S5	G5			2		L
Familiar Bluet	<i>Enallagma civile</i>	R	S1	G5			1		L
Alkali Bluet	<i>Enallagma clausum</i>	Y	S4	G5			2		L
Marsh Bluet	<i>Enallagma ebrium</i>	Y	S5	G5			2		L
Hagen's Bluet	<i>Enallagma hageni</i>	B	S3S4	G5			2		L
Pacific Forktail	<i>Ischnura cervula</i>	Y	S5	G5			3		M
Plains Forktail	<i>Ischnura damula</i>	R	S1	G5			1		M

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Swift Forktail	<i>Ischnura erratica</i>	Y	S4	G4	3	S
Western Forktail	<i>Ischnura perparva</i>	Y	S5	G5	2	L
Sedge Sprite	<i>Nehalennia irene</i>	Y	S5	G5	2	L
Cordulegastridae						
Pacific Spiketail	<i>Cordulegaster dorsalis</i>	Y	S5	G5	3	M
Corduliidae						
Beaverpond Baskettail	<i>Epitheca canis</i>	B	S3	G5	2	L
Spiny Baskettail	<i>Epitheca spinigera</i>	Y	S5	G5	2	L
Ringed Emerald	<i>Somatochlora albicincta</i>	Y	S5	G5	2	L
Quebec Emerald	<i>Somatochlora brevicincta</i>	B	S3	G3	1	S
Lake Emerald	<i>Somatochlora cingulata</i>	Y	S4	G5	2	L
Forcipate Emerald	<i>Somatochlora forcipata</i>	B	S2S3	G5	1	L
Delicate Emerald	<i>Somatochlora franklini</i>	Y	S5	G5	2	L
Hudsonian Emerald	<i>Somatochlora hudsonica</i>	Y	S4S5	G5	2	M (maybe)
Kennedy's Emerald	<i>Somatochlora kennedyi</i>	B	S3S4	G5	2	L
Ocellated Emerald	<i>Somatochlora minor</i>	Y	S5	G5	2	L
Mountain Emerald	<i>Somatochlora semicircularis</i>	Y	S5	G5	3	M
Muskeg Emerald	<i>Somatochlora septentrionalis</i>	Y	S4	G5	2	M
Brush-tipped Emerald	<i>Somatochlora walshii</i>	Y	S4	G5	2	L
Whitehouse's Emerald	<i>Somatochlora whitehousei</i>	Y	S5	G5	2	M
Gomphidae						
Pronghorn Clubtail	<i>Gomphus graslinellus</i>	B	S2S3	G5	1	L
Grappletail	<i>Octogomphus specularis</i>	R	S2	G4	1	S
Boreal Snaketail	<i>Ophiogomphus colubrinus</i>	Y	S4	G5	2	M
Sinuuous Snaketail	<i>Ophiogomphus occidentis</i>	Y	S4	G4	3	S
Pale Snaketail	<i>Ophiogomphus severus</i>	Y	S5	G5	3	M
Olive Clubtail	<i>Stylurus olivaceus</i>	R	S1S2	G4	3	S
Lestidae						
Spotted Spreadwing	<i>Lestes congener</i>	Y	S5	G5	2	L
Northern Spreadwing	<i>Lestes disjunctus</i>	Y	S5	G5	2	L
Emerald Spreadwing	<i>Lestes dryas</i>	Y	S5	G5	2	L
Sweetflag Spreadwing	<i>Lestes forcipatus</i>	Y	S4	G5	2	L
Lyre-tipped Spreadwing	<i>Lestes unguiculatus</i>	Y	S5	G5	2	L
Libellulidae						
Western Pondhawk	<i>Erythemis collocata</i>	B	S3	G5	1	M
Chalk-fronted Skimmer	<i>Ladona julia</i>	Y	S5	G5	2	L
Boreal Whiteface	<i>Leucorrhinia borealis</i>	Y	S5	G5	2	M
Crimson-ringed Whiteface	<i>Leucorrhinia glacialis</i>	Y	S5	G5	2	L
Hudsonian Whiteface	<i>Leucorrhinia hudsonica</i>	Y	S5	G5	2	L

Dot-tailed Whiteface	<i>Leucorrhinia intacta</i>	Y	S5	G5	2	L
Canada Whiteface	<i>Leucorrhinia patricia</i>	Y	S4	G4	2	M
Belted Whiteface	<i>Leucorrhinia proxima</i>	Y	S5	G5	2	L
Eight-spotted Skimmer	<i>Libellula forensis</i>	Y	S5	G5	1	M
Twelve-spotted Skimmer	<i>Libellula pulchella</i>	B	S3	G5	1	L
Four-spotted Skimmer	<i>Libellula quadrimaculata</i>	Y	S5	G5	2	L
Blue Dasher	<i>Pachydiplax longipennis</i>	B	S3S4	G5	1	L
Spot-winged Glider	<i>Pantala hymenaea</i> *	acc	SNA	G5	*	L
Common Whitetail	<i>Plathemis lydia</i>	Y	S4	G5	1	L
Variegated Meadowhawk	<i>Sympetrum corruptum</i>	Y	S5	G5	2	L
	<i>Sympetrum costiferum</i>	Y	S5	G5	2	L
Black Meadowhawk	<i>Sympetrum danae</i>	Y	S5	G5	2	L
Cardinal Meadowhawk	<i>Sympetrum illotum</i>	Y	S4?	G5	1	S
Cherry-faced Meadowhawk	<i>Sympetrum internum</i>	Y	S5	G5	2	L
Red-veined Meadowhawk	<i>Sympetrum madidum</i>	Y	S4	G4	3	M
White-faced Meadowhawk	<i>Sympetrum obtrusum</i>	Y	S5	G5	2	L
Western Meadowhawk	<i>Sympetrum occidentale</i>	Y	S5	G5	2	M
Striped Meadowhawk	<i>Sympetrum pallipes</i>	Y	S5	G5	2	M
Autumn Meadowhawk	<i>Sympetrum vicinum</i>	B	S3S4	G5	1	L
Black Saddlebags	<i>Tramea lacerata</i>	Y	SNA	G5	1	L
Macromiidae						
Western River Cruiser	<i>Macromia magnifica</i>	B	S3	G5	1	S
Petaluridae						
Black Petaltail	<i>Tanypteryx hageni</i>	B	S3	G4	4	S

* Accidental/non-regular

Appendix 6 Butterflies - provincial responsibility

Vidler's Alpine	<i>Erebia vidleri</i>		Y	S4S5	G4G5			5		S
Anicia Chalcedona Checkerspot	<i>Euphydryas anicia</i>		Y	S5	G5			2		M
Chalcedon Checkerspot	<i>Euphydryas chalcedona</i>		Y	S5	G5			4		M
Edith's Checkerspot	<i>Euphydryas editha</i>		Y	S5	G5			1		M
Edith's Checkerspot	<i>Euphydryas editha</i>	<i>taylori</i>	R	S1	G5T1		E		4	S
Gillette's Checkerspot	<i>Euphydryas gillettii</i>		B	S2S3	G2G3	G106		1		S
Variiegated Fritillary	<i>Euptoieta claudia</i>		Accidental	SNA	G5			0		L
Viceroy	<i>Limenitis archippus</i>		R	SX	G5			1		L
White Admiral	<i>Limenitis arthemis</i>		Y	S5	G5			2		L
Lorquin's Admiral	<i>Limenitis lorquini</i>		Y	S5	G5			3		S
Mourning Cloak	<i>Nymphalis antiopa</i>		Y	S5	G5			2		L
California Tortoise Shell	<i>Nymphalis californica</i>		Y	S4B	G5			2		M
Compton Tortoise Shell	<i>Nymphalis vaualbum</i>		Y	S5	G5			2		L
Alberta Arctic	<i>Oeneis alberta</i>		B	S2S3	G4			1		S
Arctic Grayling	<i>Oeneis bore</i>		Y	S5	G5			2		M
Arctic Grayling	<i>Oeneis bore</i>	<i>edwardsi</i>	B	S3	G5T3				3	S
Chryxus Arctic	<i>Oeneis chryxus</i>		Y	S5	G5			2		L
Arctic Grayling	<i>Oeneis jutta</i>		Y	S5	G5			2		L
Arctic Grayling	<i>Oeneis jutta</i>	<i>alaskensis</i>	B	S3	G5T4T5			1		S
Macoun's Arctic	<i>Oeneis macounii</i>		Y	S5	G5			2		S
Melissa Arctic	<i>Oeneis melissa</i>		Y	S5	G5			2		M
Great Arctic	<i>Oeneis nevadensis</i>		B	S3	G5			3		S
Rosov's Arctic	<i>Oeneis philipi</i>		B	S3	G3G4			1		S
Polixenes Arctic	<i>Oeneis polixenes</i>		Y	S5	G5			1		M
Polixenes Arctic	<i>Oeneis polixenes</i>	<i>yukonensis</i>	B	S3	G5T5			5		S
Uhler's Arctic	<i>Oeneis uhleri</i>		B	S3	G5			1		M
Tawny Crescent	<i>Phyciodes batesii</i>		B	S3	G4			1		L
Pearl Crescent	<i>Phyciodes cocyta</i>		Y	S5	G5			2		L
Mylitta Crescent	<i>Phyciodes mylitta</i>		Y	S5	G5			1		M
Pale Crescent	<i>Phyciodes pallida</i>		Y	S4	G5			1		M
Field Crescent	<i>Phyciodes pulchella</i>		Y	S5	G5			3		M
Aphrodite Fritillary	<i>Speyeria aphrodite</i>		Y	S5	G5			1		L
Aphrodite Fritillary	<i>Speyeria aphrodite</i>	<i>manitoba</i>	B	S3	G5T5				1	S
Atlantis Fritillary	<i>Speyeria atlantis</i>		Y	S5	G5			2		L
Callippe Fritillary	<i>Speyeria callippe</i>		Y	S5	G5			2		M
Great Spangled Fritillary	<i>Speyeria cybele</i>		Y	S5	G5			1		L
Great Spangled Fritillary	<i>Speyeria cybele</i>	<i>pseudocarpenteri</i>	B	S3	G5T5				1	S
Atlantis Fritillary	<i>Speyeria hesperis</i>		Y	S5	G5			2		M
Hydaspe Fritillary	<i>Speyeria hydaspe</i>		Y	S4S5	G4G5			4		M
Mormon Fritillary	<i>Speyeria mormonia</i>		Y	S5	G5			3		L
Mormon Fritillary	<i>Speyeria mormonia</i>	<i>erinna</i>	B	S2S3	G5T4				1	S
Zerene Fritillary	<i>Speyeria zerene</i>		Y	S5	G5			2		M

Zerene Fritillary	<i>Speyeria zerene</i>	<i>bremmerii</i>	B	S3	G5T3T4		3		S
West Coast Lady	<i>Vanessa annabella</i>		Y	SNR	G5		1		M
Red Admiral	<i>Vanessa atalanta</i>		Y	S5	G5		1		L
Painted Lady	<i>Vanessa cardui</i>		Y	S5	G5		2		L
American Painted Lady	<i>Vanessa virginiensis</i>		Acc	SNA	G5		0		L
Hesperiidae									
Roadside Skipper	<i>Amblyscirtes vialis</i>		Y	S5	G5		2		L
Sachem	<i>Atalopedes campestris</i>		Accl	SNA	G5		0		L
Arctic Skipper	<i>Carterocephalus palaemon</i>		Y	S5	G5		2		L
Arctic Skipper	<i>Carterocephalus palaemon</i>	<i>mandan</i>	B	S3	G5T5		1		L
Silver-spotted Skipper	<i>Epargyreus clarus</i>		Y	S4	G5		1		L
Afranius Duskywing	<i>Erynnis afranius</i>		R	S1	G5		1	D1	M
Dreamy Dusky Wing	<i>Erynnis icelus</i>		Y	S5	G5		2		L
Juvenal's Dusky Wing	<i>Erynnis juvenalis</i>		Y	SNR	G5		1		L
Pacuvius Duskywing	<i>Erynnis pacuvius</i>		Y	S4	G5		1		M
Persius Dusky Wing	<i>Erynnis persius</i>		Y	S5	G5		2		L
Propertius Duskywing	<i>Erynnis propertius</i>		B	S3	G5		1		S
Dun Skipper	<i>Euphyes vestris</i>		B	S3	G5	T	1	D2	L
<i>assiniboia</i> subspecies	<i>Hesperia assiniboia</i>		B	S3	G5		1		S
Common branded skipper	<i>Hesperia colorado</i>		NS	SNR	G5		1		M
<i>oregonia</i> subspecies	<i>Hesperia colorado</i>	<i>oregonia</i>	B	S3	G5T3T4		1		S
Common Branded Skipper	<i>Hesperia comma</i>		Y	S5	G5		2		L
Juba Skipper	<i>Hesperia juba</i>		Y	S4	G5		1		M
Nevada Skipper	<i>Hesperia nevada</i>		Y	S4	G5		1	D1	M
Draco Skipper	<i>Polites draco</i>		B	S3	G5		1	D1	M
Long Dash	<i>Polites mystic</i>		Y	S4	G5		1		L
Peck's Skipper	<i>Polites peckius</i>		Y	S4	G5		1		L
Sandhill Skipper	<i>Polites sabuleti</i>		B	S3	G5		1		M
Sonora Skipper	<i>Polites sonora</i>		R	S1	G4	36 SC	1	D2	M
Tawny-edged Skipper	<i>Polites themistocles</i>		Y	S4	G5		2		L
Green Comma	<i>Polygonia faunus</i>		Y	S5	G5		2		L
Hoary Comma	<i>Polygonia gracilis</i>		Y	S5	G5		2		L
Oreas Anglewing	<i>Polygonia oreas</i>		Y	S4	G5		1		M
Grey Comma	<i>Polygonia progne</i>		Y	S5	G5		2		L
Satyr Anglewing	<i>Polygonia satyrus</i>		Y	S5	G5		2		L
Grizzled Skipper	<i>Pyrgus centaureae</i>		Y	S5	G5		2		M
Checkered Skipper	<i>Pyrgus communis</i>		B	S3	G5		1		L
Two-banded Checkered Skipper	<i>Pyrgus ruralis</i>		Y	S5	G5		3		M
Northern Cloudy Wing	<i>Thorybes pylades</i>		Y	S5	G5		2		L
European Skipper	<i>Thymelicus lineola</i>		Exotic	SNA	G5		0		L
Pieridae									
Sara Orange Tip	<i>Anthocharis sara</i>		Y	S5	G5		4		S

Stella's Orange Tip	<i>Anthocharis stella</i>		Y	S5	G5			3		S
Queen Alexandra's Sulphur	<i>Colias alexandra</i>		Y	S5	G5			2		M
Canadian Sulphur	<i>Colias canadensis</i>		Y	S4S5	G4G5			3		S
Christina's Sulphur	<i>Colias christina</i>		Y	S5	G5			1		M
Alfalfa Sulphur	<i>Colias eurytheme</i>		Y	S5B	G5			1		L
Giant Sulphur	<i>Colias gigantea</i>		Y	S5	G5			2		S
Giant Sulphur	<i>Colias gigantea</i>	<i>gigantea</i>	B	S3	G5T5				1	S
Hecla Sulphur	<i>Colias hecla</i>		B	S3	G5			1		S
Pink-edged Sulphur	<i>Colias interior</i>		Y	S5	G5			2		L
Mead's Sulphur	<i>Colias meadii</i>		B	S3	G4G5			1		D2 S
Labrador Sulphur	<i>Colias nastes</i>		Y	S5	G5			1		D2 M
Western Sulphur	<i>Colias occidentalis</i>		B	S3S4	G3G4			1		S
Chippewa Sulphur	<i>Colias palaeno</i>		Y	S5	G5			1		M
Pelidne Sulphur	<i>Colias pelidne</i>		B	S3	G5			1		M
Clouded Sulphur	<i>Colias philodice</i>		Y	S5	G5			2		L
Large Marble	<i>Euchloe ausonides</i>		Y	S4S5	G5			3		L
Large Marble	<i>Euchloe ausonides</i>	<i>insulanus</i>	R	SX	G5T1		XT		6	S
Northern Marble	<i>Euchloe creusa</i>		Y	S5	G5			2		S
Pearly Marble	<i>Euchloe lotta</i>		Y	S4	G4G5			1		M
Green Marble	<i>Euchloe naina</i>		B	S3	GU			1		S
Pine White	<i>Neophasia menapia</i>		Y	S5	G5			2		M
Garita Skipperling	<i>Oarisma garita</i>		Y	S4	G5			1		D2 M
Woodland Skipper	<i>Ochlodes sylvanoides</i>		Y	S5	G5			2		M
Common Sooty Wing	<i>Pholisora catullus</i>		Y	S4	G5			1		L
Arctic White	<i>Pieris angelika</i>		B	S3	G5			1		S
Margined (Mustard) White	<i>Pieris marginalis</i>		Y	S5	G5			4		M
Margined (Mustard) White	<i>Pieris marginalis</i>	<i>guppyi</i>	B	S3	G5T3Q				4	S
Mustard white	<i>Pieris oleracea</i>		Y	S4S5	G4G5			2		L
Cabbage Butterfly	<i>Pieris rapae</i>		Exotic	SNA	G5			0		L
Becker's White	<i>Pontia beckerii</i>		Y	S5	G5			1		M
Western White	<i>Pontia occidentalis</i>		Y	S5	G5			2		L
Checkered white	<i>Pontia protodice</i>		Accl	SNA	G4			0		L
California White	<i>Pontia sisymbrii</i>		Y	S4	G5			1		M
Riodinidae										
Mormon Metalmark	<i>Apodemia mormo</i>		R	S1	G5		E	1		M
Lycaenidae										
Immaculate Green Hairstreak	<i>Callophrys affinis</i>		B	S3	G5			1		M
Brown Elfin	<i>Callophrys augustinus</i>		Y	S5	G5			2		L
Western Pine Elfin	<i>Callophrys eryphon</i>		Y	S5	G5			2		L
Juniper Hairstreak	<i>Callophrys gryneus</i>		Y	S4	G5			1		L
Johnson's Hairstreak	<i>Callophrys johnsoni</i>		R	S1S2	G3G4	yes		1		S
Moss' Elfin	<i>Callophrys mossii</i>		Y	S4	G4			1		S

Moss' Elfin	<i>Callophrys mossii</i>	<i>mossii</i>	B	S3	G4T4		4	S
Cedar Hairstreak	<i>Callophrys nelsoni</i>		Y	S5	G5		3	S
Eastern Pine Elfin	<i>Callophrys niphon</i>		R	S1S3	G5		1	L
Hoary Elfin	<i>Callophrys polios</i>		Y	S5	G5		2	L
Sheridan's Hairstreak	<i>Callophrys sheridanii</i>		Y	S4	G5		1	M
Thicket Hairstreak	<i>Callophrys spinetorum</i>		Y	S4	G5		3	M
Western Spring Azure	<i>Celastrina echo</i>		Y	S5	G5		1	S
Spring Azure	<i>Celastrina ladon</i>		Y	S5	G5		2	L
Western Tailed Blue	<i>Cupido (Everes) amyntula</i>		Y	S5	G5		2	L
Eastern Tailed Blue	<i>Cupido (Everes) comyntas</i>		B	S3	G5		1	D2 L
Square-spotted Blue	<i>Euphilotes battoides</i>		Y	S4	G5		1	S
Silvery Blue	<i>Glaucopsyche lygdamus</i>		Y	S5	G5		2	L
Arrowhead Blue	<i>Glaucopsyche piasus</i>		B	S3S4	G5		1	M
Lustrous Copper	<i>Lycaena cupreus</i>		Y	S5	G5		3	M
Dione Copper	<i>Lycaena dione</i>		R	S1	G5		1	L
Dorcas Copper	<i>Lycaena dorcas</i>		Y	S5	G5		2	M
Purplish Copper	<i>Lycaena helloides</i>		Y	S5	G5		2	L
Blue Copper	<i>Lycaena heteronea</i>		Y	S4	G5		1	M
Bronze Copper	<i>Lycaena hyllus</i>		B	S3	G5		1	L
Reakirt's Copper	<i>Lycaena mariposa</i>		Y	S5	G5		3	S
Lilac-bordered Copper	<i>Lycaena nivalis</i>		B	S3	G5		1	S
Little Copper	<i>Lycaena phlaeas</i>		Y	S4	G5		2	L
Arctic Blue	<i>Plebejus glandon</i>		Y	S5	G5		2	L
Arctic Blue	<i>Plebejus glandon</i>	<i>lacustris</i>	B	S3	G5TNR		1	S
Icarioides Blue	<i>Plebejus icarioides</i>		Y	S5	G5		2	M
Icarioides Blue	<i>Plebejus icarioides</i>	<i>blackmorei</i>	B	S3	G5T3		5	S
Northern Blue	<i>Plebejus idas</i>		Y	S5	G5		2	L
Acmon Blue	<i>Plebejus lupini</i>		Y	S4	G5		1	M
Melissa Blue	<i>Plebejus melissa</i>		Y	S4	G5		1	L
Cranberry Blue	<i>Plebejus optilete</i>		B	S3	G5		1	S
Greenish Blue	<i>Plebejus saepiolus</i>		Y	S5	G5		2	L
Greenish Blue	<i>Plebejus saepiolus</i>	<i>insulanus</i>	R	SH	G5TH	E	7	S
Acadian Hairstreak	<i>Satyrium acadica</i>		Y	SNR	G5		1	L
Behr's Hairstreak	<i>Satyrium behrii</i>		R	S2	G5	T	1	M
California Hairstreak	<i>Satyrium californica</i>		B	S3	G5		1	S
Sooty Hairstreak	<i>Satyrium fuliginosa</i>		R	S1	G4	yes E	1	S
Striped Hairstreak	<i>Satyrium liparops</i>		B	S3	G5		1	L
Hedge-row Hairstreak	<i>Satyrium saepium</i>		Y	S4	G5		3	M
Sylvan Hairstreak	<i>Satyrium sylvinus</i>		Y	S5	G5		2	M
Coral Hairstreak	<i>Satyrium titus</i>		Y	S4	G5		2	L
Coral Hairstreak	<i>Satyrium titus</i>	<i>titus</i>	B	S3	G5T5		1	S
Grey Hairstreak	<i>Strymon melinus</i>		Y	S5	G5		2	L

Papilionidae								
Canadian Swallowtail	<i>Papilio canadensis</i>		Y	S5	G5		2	L
Pale Swallowtail	<i>Papilio eurymedon</i>		Y	S5	G5		2	M
Indra Swallowtail	<i>Papilio indra</i>		R	S2	G5		1	M
Old World Swallowtail	<i>Papilio machaon</i>		Y	S4?	G5		1	L
subspecies	<i>Papilio machaon</i>	<i>piki</i>	B	S3	G5T3		3	S
Two-tailed Swallowtail	<i>Papilio multicaudata</i>		Y	S4?	G5		1	M
Western Tiger Swallowtail	<i>Papilio rutulus</i>		Y	S5	G5		1	M
Anise Swallowtail	<i>Papilio zelicaon</i>		Y	S5	G5		3	M
Clodius Parnassian	<i>Parnassius clodius</i>		Y	S5	G5		1	S
Clodius Parnassian	<i>Parnassius clodius</i>	<i>altaurus</i>	B	S3S4	G5T3T4		1	S
Eversmann's Parnassian	<i>Parnassius eversmanni</i>		Y	S4?	G5		2	S
Phoebus Appolo	<i>Parnassius phoebus</i>		B	S3	G5		1	S
Phoebus' Parnassian	<i>Parnassius smintheus</i>		Y	S5	G5		1	M

Subspecies not on CDC list for which the province has high responsibility

Pieridae								
Sara's Orange Tip	<i>Anthocharis sara</i>	<i>alaskensis</i>	Y	S5	G5T4		6	S
Arctic sulphur	<i>Colias nastes</i>	<i>strekeri</i>		S5	G5T4		6	S
Margined White	<i>Pieris marginalis</i>	<i>tremblayi</i>		S5	G5T4		6	S
Nymphalidae								
Western Meadow Fritillary	<i>Clossiana epithore</i>	<i>chermocki</i>	Y	S5			6	
Boeber's Fritillary	<i>Clossiana tritonia</i>	<i>distincta</i>	B	S3			6	
Common Ringlet	<i>Coenonympha californica</i>	<i>columbiana</i>		S5			6	
Lorquin's Admiral	<i>Limenitis lorquini</i>	<i>ilgae</i>		S5			6	
Melissa Arctic	<i>Oeneis melissa</i>	<i>beanii</i>		S5	G5		5	S
Polixenes Arctic	<i>Oeneis polixenes</i>	<i>yukonensis</i>	B	S3	G5T5		5	S
Aphrodite Fritillary	<i>Speyeria aphrodite</i>	<i>columbiana</i>		S5	G5		6	S
		<i>whitehousei</i>		S3	G5		6	
Chalcedon Checkerspot	<i>Euphydryas chalcedona</i>	<i>perdiccas</i>	Y	S4	G5T2T3		6	S
Great Arctic	<i>Oeneis nevadensis</i>	<i>gigas</i>	B	S3	G5Tu		6	S
Mormon Fritillary	<i>Speyeria mormonia</i>	<i>opis</i>		S5	G5		6	S
Callippe Fritillary	<i>Speyeria callippe</i>	<i>chilcotinensis</i>		S4			7	S
Small Woodnymph	<i>Cercyonis oetus</i>	<i>phocus</i>		S5			6	
Hesperiidae								
Tawny-edged skipper	<i>Polites themistocles</i>	<i>turneri</i>		S5			6	

	Lycaenidae						
Coral Hairstreak	<i>Satyrrium titus</i>	<i>immaculosus</i>		S4	G5T4	6	S
Lustrous Copper	<i>Lycaena cuprea</i>	<i>henryae</i>	Y	S5		6	
Reakirt's copper	<i>Lycaena mariposa</i>	<i>charlottensis</i>	Y	S5	G5T5	6	S
Anna's Blue	<i>Lycaeides anna</i>	<i>vancouverensis</i>		S4		6	
	Papilionidae						
Rocky Mountain Apollo	<i>Parnassius smintheus</i>	<i>olympiannus</i>	Y	S4	G5T4	5	S

Appendix 7 Freshwater fish - provincial responsibility

English Name	Species	Subspecies or Population	Status					Responsibility		Global Range	
			CDC	S rank	G rank	IWMS	COSEWIC	Species	Subspecies or Pop		Disjunct
Pteromyzonidae											
American River Lamprey	<i>Lampetra ayresii</i>		Y	S4	G4				4		S
Cowichan Lake Lamprey	<i>Lampetra macrostoma</i>		R	S1	G1		T		7		S
Western Brook Lamprey (Morrison Creek)	<i>Lampetra richardsoni</i>	Pop 1	Y	S4	G4G5				4		S
Pacific Lamprey	<i>Lampetra tridentata</i>		R	S1	G4G5T1Q		E			7	S
	<i>Lampetra tridentata</i>		Y	S4	G5				3		S
Acipenseridae											
Green Sturgeon	<i>Acipenser medirostris*</i>		R	S1N	G3		SC		non-		S
White Sturgeon (Kootenay River)	<i>Acipenser transmontanus</i>	Pop 1	NS	S2	G4		E		4		S
(Columbia River)	<i>Acipenser transmontanus</i>	Pop 2	R	S1	G4T1Q		E			4	S
(Nechako River)	<i>Acipenser transmontanus</i>	Pop 3	R	S1	G4T3T4Q		E			6	S
(Lower Fraser River)	<i>Acipenser transmontanus</i>	Pop 4	R	S1	G4T1Q		E			7	S
(Upper Fraser River)	<i>Acipenser transmontanus</i>	Pop 5	R	S2	G4T2Q		E			7	S
(Middle Fraser River)	<i>Acipenser transmontanus</i>	Pop 6	R	S1	G4T1Q		E			6?	S
	<i>Acipenser transmontanus</i>		R	S1	G4T1Q		E			7	S
Hiodontidae											
Goldeye	<i>Hiodon alosoides</i>		B	S3	G5				2		L
Salmonidae											
Cutthroat Trout	<i>Oncorhynchus clarkii</i>		NS	S4	G4				2		M
<i>clarkii</i> subspecies	<i>Oncorhynchus clarkii</i>	<i>clarkii</i>	B	S3S4	G4T4					1	S
<i>lewisii</i> subspecies	<i>Oncorhynchus clarkii</i>	<i>lewisii</i>	B	S3	G4T3	yes	SC			1	S
Pink Salmon	<i>Oncorhynchus gorbuscha</i>		Y	S5	G5				3		S
Chum Salmon	<i>Oncorhynchus keta</i>		Y	S5	G5				3		S
Coho Salmon	<i>Oncorhynchus kisutch</i>		Y	S4	G4		E		3		S
Rainbow Trout	<i>Oncorhynchus mykiss</i>		Y	S5	G5				4		S
Sockeye Salmon	<i>Oncorhynchus nerka</i>		Y	S4	G5		E		5		S
Chinook Salmon	<i>Oncorhynchus tshawytscha</i>		Y	S4	G5		T		3		S
Bull Trout	<i>Salvelinus confluentus</i>		B	S3	G3	yes			5		S
Dolly Varden	<i>Salvelinus malma</i>		B	S3S4	G5				3		S
Lake Trout	<i>Salvelinus namaycush</i>		Y	S4	G5				2		L
Cisco	<i>Coregonus artedii</i>		R	S1	G5				1		M
Arctic Cisco	<i>Coregonus autumnalis</i>		R	S1	G5				1	D1	S
Lake Whitefish	<i>Coregonus clupeaformis</i>		Y	S5	G5				2		L
Broad Whitefish	<i>Coregonus nasus</i>		R	S1	G5				1		S

Least Cisco	<i>Coregonus sardinella</i>		B	S2S3	G5		1		S
Dragon Lake Whitefish	<i>Coregonus</i> sp. 1		Ext	SX	GX		7		S
Pygmy Whitefish	<i>Prosopium coulterii</i>		Y	S4S5	G5		3	D1	S
Macleese/Mclure Lake									
Pygmy Whitefish	<i>Prosopium</i> sp 2						7?		S
Round Whitefish	<i>Prosopium cylindraceum</i>		Y	S4	G5		1		M
Mountain Whitefish	<i>Prosopium williamsoni</i>		Y	S4	G5		4		M
Inconnu	<i>Stenodus leucichthys</i>		B	S3	G5		2		S
Arctic Grayling	<i>Thymallus arcticus</i>		Y	S4	G5		3		S
(Williston Watershed)	<i>Thymallus arcticus</i>	Pop 1	R	S1	G5T1Q			7	S
	Osmeridae								
Rainbow Smelt	<i>Osmerus mordax</i>		Y	SU	G5		2		L
Pygmy Longfin Smelt	<i>Spirinchus</i> sp. 1		R	S1	G1Q	DD	7		S
Longfin Smelt	<i>Spirinchus thaleichthys</i>		Y	S5	G5		4	D1	S
Eulachon	<i>Thaleichthys pacificus</i>		B	S2S3	G5		3	D1	S
	Esocidae								
Northern Pike	<i>Esox lucius</i>		Y	S5	G5		2		L
	Cyprinidae								
Chiselmouth	<i>Acrocheilus alutaceus</i>		B	S3S4	G5	NAR	4	D1?	S
Lake Chub	<i>Couesius plumbeus</i>		Y	S5	G5		2		L
(Liard Hot Spring)	<i>Couesius plumbeus</i>	Pop 1						7?	S
Brassy Minnow	<i>Hybognathus hankinsoni</i>		Y	S4	G5		2	D1	L
Pearl Dace	<i>Margariscus margarita</i>		B	S3?	G5		1		L
Peamouth Chub	<i>Mylocheilus caurinus</i>		Y	S5	G5		5	D1	S
Emerald Shiner	<i>Notropis atherinoides</i>		R	S1	G5		1		L
Spottail Shiner	<i>Notropis hudsonius</i>		R	S1S2	G5		1		L
Northern Redbelly Dace	<i>Phoxinus eos</i>		Y	SU	G5		1		L
Northern Redbelly Dace	<i>Phoxinus eos</i> x <i>Ph oxinus</i>								
X Finescale Dace	<i>neogaeus</i>		Y	SU	GNA		2?		M
Finescale Dace	<i>Phoxinus neogaeus</i>		Y	SU	G5		1	D2	M
Flathead Chub	<i>Platygobio gracilis</i>		Y	S5	G5		1		L
Pikeminnow	<i>Ptychocheilus oregonensis</i>		Y	S5	G5		4		S
Longnose Dace	<i>Rhinichthys cataractae</i>		Y	S5	G5		2		L
Leopard Dace	<i>Rhinichthys falcatus</i>		Y	S4	G4	NAR	4		S
Speckled Dace	<i>Rhinichthys osculus</i>		R	S1	G5	E	1		M
Nooksack Dace	<i>Rhinichthys</i> sp. 4		R	S1	G3	E	5		S
Umatilla Dace	<i>Rhinichthys umatilla</i>		R	S2	G4	SC	1		S
Redside Shiner	<i>Richardsonius balteatus</i>		Y	S5	G5		4		S
	Catostomidae								
Longnose Sucker	<i>Catostomus catostomus</i>		Y	S5	G5		1		L
Bridgelip Sucker	<i>Catostomus columbianus</i>		Y	S5	G5		4		S
White Sucker	<i>Catostomus commersonii</i>		Y	S5	G5		2		L
Largescale Sucker	<i>Catostomus macrocheilus</i>		Y	S5	G5		3		S
Mountain Sucker	<i>Catostomus platyrhynchus</i>		B	S3?	G5	NAR	4		M

Salish Sucker	<i>Catostomus</i> sp. 4	R	S1	G1		E	6		S
	Gadidae								
Burbot	<i>Lota lota</i>	Y	S4	G5			2		L
(lower Kootenay)	Pop. 1	R	S1	G5T1Q				4	S
(Keenleyside)	Pop. 1		SNR	G5TNRQ				3	S
	Percopsidae								
Trout-Perch	<i>Percopsis omiscomaycus</i>	Y	S5	G5			1		L
	Gasterosteidae								
Brook Stickleback	<i>Culaea inconstans</i>	Y	S5	G5			1		L
Threespine Stickleback	<i>Gasterosteus aculeatus</i>	Y	S5	G5		SC	2		L
Charlotte Unarmoured Stickleback	<i>Gasterosteus aculeatus</i> subsp.	R	S2	G5TNR		SC		7	S
Giant Black Stickleback	<i>Gasterosteus</i> sp. 1	R	S1	G1		SC	7		S
Hadley Lake Limnetic Stickleback	<i>Gasterosteus</i> sp. 12	Extinct	SX	GX		XX	7		S
Hadley Lake Benthic Stickleback	<i>Gasterosteus</i> sp. 13	Extinct	SX	GX		XX	7		S
Vananda Creek Limnetic Stickleback	<i>Gasterosteus</i> sp. 16	R	S1	G1	yes	E	7		S
Vananda Creek Benthic Stickleback	<i>Gasterosteus</i> sp. 17	R	S1	G1	yes	E	7		S
Misty Lake "Lake" Stickleback	<i>Gasterosteus</i> sp. 18	R	S1	GNR			7		S
Misty Lake "Stream" Stickleback	<i>Gasterosteus</i> sp. 19	R	S1	GNR			7		S
Enos Lake Limnetic Stickleback	<i>Gasterosteus</i> sp. 2	R	S1	G1		E	7		S
Enos Lake Benthic Stickleback	<i>Gasterosteus</i> sp. 3	R	S1	G1		E	7		S
Paxton Lake Limnetic Stickleback	<i>Gasterosteus</i> sp. 4	R	S1	G1		E	7		S
Paxton Lake Benthic Stickleback	<i>Gasterosteus</i> sp. 5	R	S1	G1		E	7		S
Ninespine Stickleback	<i>Pungitius pungitius</i>	R	S1	G5			1		L
	Percidae								
Yellow Perch	<i>Perca flavescens</i>	Y	S4	G5			2		L
Walleye	<i>Sander vitreus</i>	Y	S5	G5			1		L
	Cottidae								
Spinynose Sculpin	<i>Asemichthys taylori</i>	Y	S4S5	GNR		DD	7?		S
Coastrange Sculpin	<i>Cottus aleuticus</i>	Y	S4	G5			4		S
Prickly Sculpin	<i>Cottus asper</i>	Y	S5	G5			5	D1	S
Mottled Sculpin	<i>Cottus bairdii</i>	NS	S3	G5			1		L

Rocky Mountain Sculpin	<i>Cottus bairdii punctulatus</i>	B	S2S3	G5TNR		1	S
Slimy Sculpin	<i>Cottus cognatus</i>	Y	S5	G5		1	L
Shorthead Sculpin	<i>Cottus confusus</i>	B	S2S3	G5	T	1	S
Columbia Mottled Sculpin	<i>Cottus hubbsi</i>	B	S3	G4Q	SC	1	S
Torrent Sculpin	<i>Cottus rhotheus</i>	Y	S4	G5		4	S
Spoonhead Sculpin	<i>Cottus ricei</i>	Y	S5	G5	NAR	1	
Cultus Pygmy Sculpin	<i>Cottus</i> sp. 2	R	S1	G1	T	7	S
Pacific Staghorn Sculpin	<i>Leptocottus armatus</i>	Y	S5	G5		4	S
Pleuronectidae							
Starry Flounder	<i>Platichthys stellatus</i>	Y	SNR	G5		1	S

* *Acipenser medirostris* has not been reported from fresh water

Exotics

Pumpkinseed	<i>Lepomis gibbosus</i>	Exotic	SNA	G5			
Smallmouth Bass	<i>Micropterus dolomieu</i>	Exotic	SNA	G5			
Largemouth Bass	<i>Micropterus salmoides</i>	Exotic	SNA	G5			
Black Crappie	<i>Pomoxis nigromaculatus</i>	Exotic	SNA	G5			
Atlantic Salmon	<i>Salmo salar</i>	Exotic	SNA	G5			
Brown Trout	<i>Salmo trutta</i>	Exotic	SNA	G5			
Brook Trout	<i>Salvelinus fontinalis</i>	Exotic	SNA	G5			
Tench	<i>Tinca tinca</i>	Exotic	SNA	G5			
American Shad	<i>Alosa sapidissima</i>	Exotic	SNA	G5			
Black Bullhead	<i>Ameiurus melas</i>	Exotic	SNA	G5			
Brown Bullhead	<i>Ameiurus nebulosus</i>	Exotic	SNA	G5			
Goldfish	<i>Carassius auratus</i>	Exotic	SNA	G5			
Common Carp	<i>Cyprinus carpio</i>	Exotic	SNA	G5			
Fathead Minnow	<i>Pimephales promelas</i>	Exotic	SNA	G5			

Appendix 8 Amphibians - provincial responsibility

English Name	Species	Subspecies	CDC	S rank	G rank	Status			Responsibility			
						IWMS	COSEWIC	IUCN	Species	Subspp	Disjunct	
CAUDATA												
Ambystomatidae												
Tiger Salamander	Ambystoma tigrinum		R	S2	G5	yes	E	Ic	0			D2
Tiger Salamander	Ambystoma tigrinum	melanostictum									1	
Long-toed Salamander	Ambystoma macrodactylum		Y	S5	G5			Ic	4			
	Ambystoma macrodactylum	columbianum									5	
	Ambystoma macrodactylum	krausei									4	
	Ambystoma macrodactylum	macrodactylum									4	
Northwestern Salamander	Ambystoma gracile		Y	S4S5	G5		NAR	Ic	4			
Salamandridae												
Rough-skinned Newt	Taricha granulosa		Y	S4S5	G5			Ic	4			
	Taricha granulosa	granulosa									4	
Dicamptonidae												
Pacific Giant Salamander	Dicamptodon tenebrosus		R	S2	G5	yes	T	Ic	0			
Plethodontidae												
Wandering Salamander	Aneides vagrans		Y	S4	G4			Near T	4			D1
Ensatina	Ensatina eschscholtzii		Y	S4	G5		NAR	Ic	1			
	Ensatina eschscholtzii	oregonensis									3	
Coeur d'Alene Salamander	Plethodon idahoensis		B	S3	G4	yes	SC	Ic	1?			
Western Red-backed Salamander	Plethodon vehiculum		Y	S4	G5		NAR	Ic	4			
ANURA												
Leiopelmatidae												
Coastal Tailed Frog	Ascaphus truei		B	S3S4	G4	yes	SC	Ic	4			
Rocky Mountain Tailed Frog	Ascaphus montanus		R	S1	G4	yes	E	Ic	0			
Bufonidae												
Western (Boreal) Toad	Bufo boreas		Y	S4	G4		SC	Near T	4			
	Bufo boreas	boreas									4	
Pelobatidae												
Great Basin Spadefoot Toad	Spea intermontana		B	S3	G5	yes	T	Ic	1			
Hylidae												
Pacific Treefrog	Pseudacris regilla		Y	S5	G5			Ic	3			
Boreal Chorus Frog	Pseudacris maculata		Y	S4	G5			Ic	1			
Ranidae												
Columbia Spotted Frog	Rana luteiventris		Y	S4	G4		NAR	Ic	5			
Oregon Spotted Frog	Rana pretiosa		R	S1	G2		E	VU	0			D1
Northern Leopard Frog	Rana pipiens		R	S1	G5	yes	E	Ic	0			D1
Red-legged Frog	Rana aurora		B	S3S4	G4	yes	SC	Near T	1			
	Rana aurora	aurora									3	
Wood Frog	Rana sylvatica		Y	S5	G5			Ic	2			

Appendix 9 Reptiles - provincial responsibility

English Name	Species	Subspecies	CDC	Status			COSEWIC	IUCN	Responsibility			Global Range
				S Rank	G Rank	IWMS			Species	Subspp	Disjunct	
CHELONIA												
Testudinae												
Western Pond Turtle (Introduced)	<i>Actinemys marmorata</i>		R	SX	G3G4		XT	VU	1			S
"North Western" Pond Turtle	<i>Actinemys marmorata</i>	<i>marmorata</i>	NR-R	SX			XT			1		S
Painted Turtle	<i>Chrysemys picta</i>		B	S3S4	G5			NE	1			L
"Western" Painted Turtle	<i>Chrysemys picta</i>	<i>bellii</i>	NR-B				E/SC			1		S
Cheloniidae												
Green Turtle	<i>Chelonia mydas</i>		accidental	SNA	G3			EN	1			L
Derموchelyidae												
Leatherback Turtle	<i>Derموchelys coriacea</i>		R	S1S2/N	G2		E	CR	1			L
SQUAMATA												
Iguanidae												
Pygmy Short-horned Lizard	<i>Phrynosoma douglasii</i>		R	SX	G5		XT	NE	1			S
Scincidae												
Western Skink	<i>Eumeces skiltonianus</i>		B	S2S3	G5		SC	NE	1			S
Western Skink	<i>Eumeces skiltonianus</i>	<i>skiltonianus</i>	NR-B				SC			1		S
Anguidae												
Northern Alligator Lizard	<i>Elgaria coerulea</i>		Y	S4S5	G5		NAR	NE	3			S
"Northwestern" Alligator Lizard	<i>Elgaria coerulea</i>	<i>principis</i>	NR-Y				NAR			4		S
Boidae												
Rubber Boa	<i>Charina bottae</i>		Y	S4	G5		SC	NE	3			S
Colubridae												
Racer	<i>Coluber constrictor</i>		B	S3S4	G5	yes		NE	1			L
"Western Yellowbelly" Racer	<i>Coluber constrictor</i>	<i>mormon</i>	NR-B	S3S4	G5T5		SC			1		S
Sharptailed Snake	<i>Contia tenuis</i>		R	S1	G5		E	NE	1		D1	S
Night Snake	<i>Hypsiglena torquata</i>		R	S1	G5		E	NE	1			M
Gopher Snake	<i>Pituophis catenifer</i>			S3	G5			NE	1			L
"Pacific" Gopher Snake	<i>Pituophis catenifer</i>	<i>catenifer</i>	R	SX	G5T5		XT			1		S
"Great Basin" Gopher Snake	<i>Pituophis catenifer</i>	<i>deserticola</i>	B	S3	G5T5	yes	T			1		S
Western Terrestrial Garter Snake	<i>Thamnophis elegans</i>		Y	S5	G5			NE	2		D1	M
"Wandering" Western Terrestrial Garter Snake	<i>Thamnophis elegans</i>	<i>vagrans</i>	NR-Y	na	na					2		S
Northwestern Garter Snake	<i>Thamnophis ordinoides</i>		Y	S4	G5		NAR	NE	4			S
Common Garter Snake	<i>Thamnophis sirtalis</i>		Y	S5	G5				2			L
"Valley" Common Garter Snake	<i>Thamnophis sirtalis</i>	<i>fitchi</i>	NR (Y)	na	na					4		S
"Red-sided" Common Garter Snake	<i>Thamnophis sirtalis</i>	<i>parietalis</i>	NR (Y)	na	na					1		S
"Puget Sound" Common Garter Snake	<i>Thamnophis sirtalis</i>	<i>pickeringi</i>	NR (Y)	na	na					5		S
Viperidae												
Western Rattlesnake	<i>Crotalus oreganus</i>		B	S3	G5	yes	T	NE	1			M
"Northern Pacific" Rattlesnake	<i>Crotalus oreganus</i>	<i>oreganus</i>	NR-B	SNR	G5T5					1		S

Appendix 10 Birds - provincial responsibility

English Name	Scientific Name	Subspecies or Population	BC Status	Global Rank	Prov Rank	STATUS					Stewardship		
						COSEWIC	IWMS	Wildlife Act	Breeding	Endemic	Species	Subspp	Disjunct
Gaviiformes													
Gaviidae													
Yellow-billed Loon	<i>Gavia adamsii</i>		Y	G4	SNA	NAR					N	3 [m,w] 2 [b,w];	
Common Loon	<i>Gavia immer</i>		Y	G5	S5B	NAR					Y	National-5 [b] 2 [b,w]; National-5 [b]	
Pacific Loon	<i>Gavia pacifica</i>		Y	G5	S4S5B,S4 N						Y		
Red-throated Loon	<i>Gavia stellata</i>		Y	G5	S5B						Y	2 [b,w]; National-5 [b]	
Podicipediformes													
Podicipedidae													
Clark's Grebe	<i>Aechmophorus clarkii</i>	<i>transitionalis</i>	Y	G5	SNA							0 [b]	
Western Grebe	<i>Aechmophorus</i>	<i>occidentalis</i>	R	G5	S1B,S2N						Y	0 [b,w]	
Horned Grebe	<i>Podiceps auritus</i>	<i>cornutus</i>	Y	G5	S4B						Y	3 [b,w]	
Red-necked Grebe	<i>Podiceps grisegena</i>	<i>holboellii</i>	Y	G5	S4S5B	NAR					Y	2 [r]	
Eared Grebe	<i>Podiceps nigricollis</i>	<i>californicus</i>	Y	G5	S4B						Y	1 [b,w]	
Pied-billed Grebe	<i>Podilymbus podiceps</i>	<i>podiceps</i>	Y	G5	S4S5B						Y	1 [b,w]	
Procellariiformes													
Diomedidae													
Short-tailed Albatross	<i>Phoebastria albatrus</i>		R	G1	SNA	T						2 [v]	
Laysan Albatross	<i>Phoebastria immutabilis</i>		B	G3	SNA							2 [v]	
Black-footed Albatross	<i>Phoebastria nigripes</i>		Y	G3G4	SNA							2 [v]	
Procellariidae													
Northern Fulmar	<i>Fulmarus glacialis</i>		R	G5	S1B							1[w]; 0 [b]	
Northern Fulmar	<i>Fulmarus glacialis</i>	<i>rodgersii</i>											1[w]; 0 [b]
Buller's Shearwater	<i>Puffinus bulleri</i>		B	G3	SNA							1 [v]	
Flesh-footed Shearwater	<i>Puffinus carneipes</i>		B	G3G4	SNA							2 [v]	
Pink-footed Shearwater	<i>Puffinus creatopus</i>		R	G1G2Q	SNA	T						2 [v]	
Sooty Shearwater	<i>Puffinus griseus</i>		Y	G5	SNA							2 [v]	
Short-tailed Shearwater	<i>Puffinus tenuirostris</i>		Y	G5	SNA							1 [v]	
Hydrobatidae													
Fork-tailed Storm-petrel	<i>Oceanodroma furcata</i>		Y	G5	S4B							3 [b,w]	
Fork-tailed Storm-petrel	<i>Oceanodroma furcata</i>	<i>plumbea</i>											3 [b,w]
Leach's Storm-Petrel	<i>Oceanodroma leucorhoa</i>		Y	G5	S4B							2 [b,w]	
Leach's Storm-Petrel	<i>Oceanodroma leucorhoa</i>	<i>leucorhoa</i>											2 [b,w]
Pelecaniformes													

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American White Pelican	<i>Pelecanus erythrorhynchos</i>		R	G3	S1B	NAR	Y	End	Y	0 [b,w]; National-5 [b]	
Brown Pelican	<i>Pelecanus occidentalis</i>		Y	G4	SNA				N	0 [v]	
Phalacrocoracidae											
Double-crested Cormorant	<i>Phalacrocorax auritus</i>		B	G5	S3B	NAR			Y	4 [r]	
Double-crested Cormorant	<i>Phalacrocorax auritus</i>	<i>albociliatus</i>									1 [r]
Double-crested Cormorant	<i>Phalacrocorax auritus</i>	<i>auritus</i>									1[w]
Double-crested Cormorant	<i>Phalacrocorax auritus</i>	<i>cincinatus</i>									4[w]
Pelagic Cormorant	<i>Phalacrocorax pelagicus</i>		Y	G5	S4B				Y	2 [r]	
Pelagic Cormorant	<i>Phalacrocorax pelagicus pelagicus</i>		R	G5TU	S2B				Y		1 [r]
Pelagic Cormorant	<i>Phalacrocorax pelagicus</i>	<i>resplendens</i>									1 [b,w]
Brandt's Cormorant	<i>Phalacrocorax penicillatus</i>		R	G5	S1B,S4N				Y	3 [r]	
Ciconiiformes											
Ardeidae											
Great Egret	<i>Ardea alba</i>		Y	G5	SNA				N	0 [m]	
Great Blue Heron	<i>Ardea herodias</i>		B	G5	S3B				Y	2 [r]	
Great Blue Heron	<i>Ardea herodias</i>	<i>fannini</i>	B	G5T4	S3B,S4N	SC	Y		Y		4[r]
Great Blue heron	<i>Ardea herodias</i>	<i>herodias</i>	B	G5T5	S3B,S4N		Y		Y		1[b,m]
American Bittern	<i>Botaurus lentiginosus</i>		B	G4	S3B				Y	2 [r]; National-5 [b]	
Cattle Egret	<i>Bubulcus ibis</i>		Y	G5	SNA				N	0 [w]	
Green Heron	<i>Butorides virescens</i>		B	G5	S3S4B				Y	0 [b,w]	
Green Heron	<i>Butorides virescens</i>	<i>anthonyi</i>									4 [b,w]
Black-crowned Night-heron	<i>Nycticorax nycticorax</i>		Y	G5	S1N				Y	0 [b,w]	
Cathartidae											
Turkey Vulture	<i>Cathartes aura</i>		Y	G5	S4				Y	1 [b,w]	
Turkey Vulture	<i>Cathartes aura</i>	<i>meridionalis</i>									1 [b,w]
Anseriformes											
Anatidae											
Wood Duck	<i>Aix sponsa</i>		Y	G5	S4B,S4N				Y	1 [b,w]; 2 [b,w]; national-5 [b]	
Northern Pintail	<i>Anas acuta</i>		Y	G5	S5B,S5N				Y	2 [b,w]; national-5 [b]	
American Wigeon	<i>Anas americana</i>		Y	G5	S5B,S5N				Y	2 [b,w]; national-5 [b]	
Northern Shoveler	<i>Anas clypeata</i>		Y	G5	S5B,S5N				Y	2 [b,w]; national-5 [b]	
Green-winged Teal	<i>Anas crecca</i>	<i>carolinensis</i>	Y	G5	S5B,S5N				Y	2 [b,w]	
Cinnamon Teal	<i>Anas cyanoptera</i>	<i>septentrionalium</i>	Y	G5	S4B				Y	1 [b]	
Blue-winged Teal	<i>Anas discors</i>		Y	G5	S5B				Y	2 [b]	
Eurasian Wigeon	<i>Anas penelope</i>		Y	G5	SNA				N	1 [v]	
Mallard	<i>Anas platyrhynchos</i>	<i>platyrhynchos</i>	Y	G5	S5B,S5N				Y	2 [r]	
Gadwall	<i>Anas strepera</i>		Y	G5	S5B				Y	1 [r]	
Greater White-fronted Goose	<i>Anser albifrons</i>		Y	G5	SNA				N	4 [m,w]	
Greater White-fronted Goose	<i>Anser albifrons</i>	<i>frontalis</i>	Y	G5	SNA				N		4 [m,w]
Greater White-fronted Goose	<i>Anser albifrons</i>	<i>gambeli</i>									4 [m,w]

Lesser Scaup	<i>Aythya affinis</i>		Y	G5	S4S5B,S5				Y	2 [b,w]; National-5 [b]
Redhead	<i>Aythya americana</i>		Y	G5	S4B,S4N				Y	1 [b,w] 2 [b,w]; National-5 [b]
Ring-necked Duck	<i>Aythya collaris</i>		Y	G5	S5B,S5N				Y	2 [m,w]
Greater Scaup	<i>Aythya marila</i>	<i>nearctica</i>	Y	G5	SNA				N	2 [b,w]; National-5 [b]
Canvasback	<i>Aythya valisineria</i>		Y	G5	S4B				Y	2 [b,w]; National-5 [b]
Brant	<i>Branta bernicla</i>		Y	G5	S3M				N	1 [m,w]
Brant	<i>Branta bernicla</i>	<i>nigricans</i>	Y	G5	S3M				N	1 [m,w]
Brant	<i>Branta bernicla</i>	<i>hrota-nigricans</i>								1 [m,w]
Canada Goose	<i>Branta canadensis</i>		Y	G5	S5				Y	2 [b,w]; National-5 [b]
Canada Goose	<i>Branta canadensis</i>	<i>occidentalis</i>	B	G5T2T3	S1N				N	2[m,w]
Cackling Goose	<i>Branta hutchinsii</i>		Y	G5	SNA				N	6[[b,w]
Bufflehead	<i>Bucephala albeola</i>		Y	G5	S5B				Y	2 [b,w]; National-5 [b]
Common Goldeneye	<i>Bucephala clangula</i>	<i>americana</i>	Y	G5	S4S5B				Y	2 [b,w]; National-5 [b]
Barrow's Goldeneye	<i>Bucephala islandica</i>		Y	G5	S4B				Y	6 [b,w] 1 [m,w]; National-5 [m]
Snow Goose	<i>Chen caerulescens</i>		Y	G5	S4M				N	1 [b]
Long-tailed Duck	<i>Clangula hyemalis</i>		Y	G5	SUB,S4N				Y	2 [b,w]
Trumpeter Swan	<i>Cygnus buccinator</i>		Y	G4	S4B,S5N	NAR			Y	
Trumpeter Swan	<i>Cygnus buccinator</i>	Pacific Coast population								2 [b,w]
Trumpeter Swan	<i>Cygnus buccinator</i>	Rocky Mountain population								5 [b]
Tundra Swan	<i>Cygnus columbianus</i>		Y	G5	S3N				N	1 [m,w]; National - [b,m]
Harlequin Duck	<i>Histrionicus histrionicus</i>		Y	G4	S4B,S3N				Y	3 [b,w]
Hooded Merganser	<i>Lophodytes cucullatus</i>		Y	G5	S5B				Y	2 [b,w]
White-winged Scoter	<i>Melanitta fusca</i>	<i>deglandi</i>	Y	G5	S5B				Y	2 [b,w]
Black Scoter	<i>Melanitta nigra</i>	<i>americana</i>	Y	G5	SNA				N	2 [w]
Surf Scoter	<i>Melanitta perspicillata</i>		B	G5	S3B,S4N				Y	2 [b,w] 2 [b,w]; National-5 [b]
Common Merganser	<i>Mergus merganser</i>	<i>americanus</i>	Y	G5	S5B				Y	
Red-breasted Merganser	<i>Mergus serrator</i>	<i>serrator</i>	Y	G5	S4B				Y	2 [b,w]
Ruddy Duck	<i>Oxyura jamaicensis</i>	<i>rubida</i>	Y	G5	S5B				Y	2 [b,w]
Falconiformes										
Accipitridae										
Cooper's Hawk	<i>Accipiter cooperii</i>		Y	G5	S5B,S4N	NAR			Y	2 [b,w]
Northern Goshawk	<i>Accipiter gentilis</i>		Y	G5	S4B,S4N				Y	2 [r]
Northern Goshawk	<i>Accipiter gentilis</i>	<i>laingi</i>	R	G5T2	S2B	T	Y		Y	4? [r]
Northern Goshawk	<i>Accipiter gentilis</i>	<i>atricapillus</i>	NA							2 [r]
Sharp-shinned Hawk	<i>Accipiter striatus</i>		Y	G5	S5B,S5N	NAR			Y	2 (b,w); National-5 (b)
Sharp-shinned Hawk	<i>Accipiter striatus</i>	<i>velox</i>								2[b,w]
Sharp-shinned Hawk	<i>Accipiter striatus</i>	<i>perobscurus</i>								6[b,w]
Golden Eagle	<i>Aquila chrysaetos</i>	<i>canadensis</i>	Y	G5	S4B	NAR			Y	2 [r]
Red-tailed Hawk	<i>Buteo jamaicensis</i>		Y	G5	S5B	NAR			Y	2 [b,w]
Red-tailed Hawk	<i>Buteo jamaicensis</i>	<i>harlani</i>								4 [b,w]
Red-tailed Hawk	<i>Buteo jamaicensis</i>	<i>calurus</i>								3 [b,w]
Red-tailed Hawk	<i>Buteo jamaicensis</i>	<i>alascensis</i>								5[b,w]

Rough-legged Hawk	<i>Buteo lagopus</i>	<i>sanctijohannis</i>	Y	G5	S2S3N	NAR		N	2 [w]	
Broad-winged Hawk	<i>Buteo platypterus</i>	<i>platypterus</i>	B	G5	S3B			Y	0 [b]	
Ferruginous Hawk	<i>Buteo regalis</i>		NA	G4	SNA	SC		Y	0 [b]	
Swainson's Hawk	<i>Buteo swainsoni</i>		R	G5	S2B			Y	1 [b]	
Northern Harrier	<i>Circus cyaneus</i>	<i>hudsonius</i>	Y	G5	S4B	NAR		Y	2 [r]	
Bald Eagle	<i>Haliaeetus leucocephalus</i>		Y	G5	S5B,S4N	NAR		Y	3 [r]	
Bald Eagle	<i>Haliaeetus leucocephalus</i>	<i>alascanus</i>								4 [r]
Osprey	<i>Pandion haliaetus</i>	<i>carolinensis</i>	Y	G5	S5B			Y	2 [b]	
	Falconidae									
Merlin	<i>Falco columbarius</i>		Y	G5	S5B	NAR		Y	2 [r]	
Merlin	<i>Falco columbarius</i>	<i>columbarius</i>								2 [r]
Merlin	<i>Falco columbarius</i>	<i>suckleyi</i>								5 [r]
Prairie Falcon	<i>Falco mexicanus</i>		R	G5	S2B	NAR	Y	Y	1 [r]	
Peregrine Falcon	<i>Falco peregrinus</i>		NA	G4	S3B			Y	2 [b,w]	
Peregrine Falcon	<i>Falco peregrinus</i>	<i>anatum</i>	R	G4T3	S2B	T		Y		2 [b]
Peregrine Falcon	<i>Falco peregrinus</i>	<i>pealei</i>	B	G4T3	S3B	SC		Y		4 [b,w]
Peregrine Falcon	<i>Falco peregrinus</i>	<i>tundrius</i>	B	G4T3T4	SNA	SC		N		2 [?]
Gyr Falcon	<i>Falco rusticolus</i>		B	G5	S3S4B	NAR		Y	0 [r]	
American Kestrel	<i>Falco sparverius</i>	<i>sparverius</i>	Y	G5	S4B			Y	2 [b]	
	Galliformes									
	Phasianidae									
Ruffed Grouse	<i>Bonasa umbellus</i>		Y	G5	S4			Y	2 [r]; National-5 [b]	
Ruffed Grouse	<i>Bonasa umbellus</i>	<i>sabini</i>								4 [r]
Ruffed Grouse	<i>Bonasa umbellus</i>	<i>brunnescens</i>								6 [r]
Ruffed Grouse	<i>Bonasa umbellus</i>	<i>umbelloides</i>								2 [r]
Ruffed Grouse	<i>Bonasa umbellus</i>	<i>phaia</i>								1 [r]
Greater Sage-Grouse	<i>Centrocercus urophasianus</i>	<i>phaios</i>	R	G4	SX	XT		Y	extirpated	
Sooty Grouse	<i>Dendragapus fuliginosus</i>		Y	G5	S4			Y	4 [r]	
Dusky Grouse	<i>Dendragapus obscurus</i>		Y	G5	S4			Y	5 [r]	
Spruce Grouse	<i>Falcipennis canadensis</i>		Y	G5	S5			Y	2 [r]; National-5 [b]	
Spruce Grouse	<i>Falcipennis canadensis</i>	<i>canadensis</i>								2 [r]
Spruce Grouse	<i>Falcipennis canadensis</i>	<i>franklinii</i>								3[r]
Willow Ptarmigan	<i>Lagopus lagopus</i>		Y	G5	S5			Y	2 [r]	
Willow Ptarmigan	<i>Lagopus lagopus</i>	<i>alexandrae</i>								1[r]
Willow Ptarmigan	<i>Lagopus lagopus</i>	<i>albue</i>								2 [r]
White-tailed Ptarmigan	<i>Lagopus leucura</i>		Y	G5	S5			Y	5 [r]	
White-tailed Ptarmigan	<i>Lagopus leucura</i>	<i>leucurus</i>								5 [r]
White-tailed Ptarmigan	<i>Lagopus leucura</i>	<i>saxatilis</i>	B	G5T3	S3		Y	Y		7 [r]
Rock Ptarmigan	<i>Lagopus muta</i>		Y	G5	S5			Y	2 [r]	
	<i>Tympanuchus phasianellus</i>		Y	G4	S4			Y	2 [r]	
Sharp-tailed Grouse	<i>Tympanuchus phasianellus</i>	<i>caurus</i>								1[r]
Sharp-tailed Grouse	<i>Tympanuchus phasianellus</i>	<i>columbianus</i>	B	G4T3	S2S3		Y	Y	1[r]	D1

Sharp-tailed Grouse	<i>Tympanuchus phasianellus jamesi</i>									1[r]
	Gruiformes									
	Gruidae									
Sandhill Crane	<i>Grus canadensis</i>		B	G5	S3S4B	NAR	Y	Y	2 [b]; National-5 [b]	
	Rallidae									
	<i>Coturnicops noveboracensis</i>	<i>noveboracensis</i>	R	G4	S1B	SC		Y	0 [v]	
Yellow Rail	<i>Fulica americana</i>	<i>americana</i>	Y	G5	S5B	NAR		Y	2 [r]	
American Coot									2 [b]; National-5 [b]	
Sora	<i>Porzana carolina</i>		Y	G5	S5			Y	5 [b]	
Virginia Rail	<i>Rallus limicola</i>	<i>limicola</i>	Y	G5	S4S5			Y	1 [r]	
	Charadriiformes									
	Charadriidae									
	<i>Charadrius semipalmatus</i>		Y	G5	S4S5B			Y	1 [b]; National-5 [b]	
Semipalmated Plover	<i>Charadrius vociferus</i>	<i>vociferus</i>	Y	G5	S4S5B			Y	2 [r]	
Killdeer										
American Golden-Plover	<i>Pluvialis dominica</i>		B	G5	S3S4B			Y	1 [b]	
Pacific Golden-Plover	<i>Pluvialis fulva</i>		Y	G5	SNA			N	1 [m]	
Black-bellied Plover	<i>Pluvialis squatarola</i>		Y	G5	SNA			N	1 [m,w]	
	Haematopodidae									
Black Oystercatcher	<i>Haematopus bachmani</i>		Y	G5	S4			Y	3 [r]	
	Recurvirostridae									
American Avocet	<i>Recurvirostra americana</i>		R	G5	S2B			Y	0 [b]	
	Scolopacidae									
Spotted Sandpiper	<i>Actitis macularius</i>		Y	G5	S5B			Y	2 [b]; National-5 [b]	
Surfbird	<i>Aphriza virgata</i>		Y	G5	SNA			N	2 [m,w]	
Ruddy Turnstone	<i>Arenaria interpres</i>		Y	G5	SNA			N	1 [m,w]	
Ruddy Turnstone	<i>Arenaria interpres</i>	<i>interpres</i>								
Black Turnstone	<i>Arenaria melanocephala</i>		Y	G5	S4N			N	5 [m,w]	
Upland Sandpiper	<i>Bartramia longicauda</i>		R	G5	S1S2B			Y	0 [b]	
Sharp-tailed Sandpiper	<i>Calidris acuminata</i>		Y	G5	SNA			N	1 [m]	
Sanderling	<i>Calidris alba</i>		Y	G5	SNA			N	2 [m,w]	
Dunlin	<i>Calidris alpina</i>		Y	G5	SNA			N	4 [m,w]	
Dunlin	<i>Calidris alpina</i>	<i>pacifica</i>								3 [m.w]
Baird's Sandpiper	<i>Calidris bairdii</i>		Y	G5	SU			N	0 [b]	
Red Knot	<i>Calidris canutus</i>		Y	G4	SNA			N	2 [v]	
Red Knot	<i>Calidris canutus</i>	<i>roselaari</i>								2 [v]
									0 [m]; National-5 [b]	
Stilt Sandpiper	<i>Calidris himantopus</i>		Y	G5	SNA			N	5 [b]	
Western Sandpiper	<i>Calidris mauri</i>		Y	G5	SNA			N	2 [m,w]	
Pectoral Sandpiper	<i>Calidris melanotos</i>		Y	G5	SNA			N	2 [m]	
									1 [b]; National-5 [b]	
Least Sandpiper	<i>Calidris minutilla</i>		Y	G5	S4?B			Y	5 [b]	
Rock Sandpiper	<i>Calidris ptilocnemis</i>		Y	G5	SNA			N	3 [w]	
Rock Sandpiper	<i>Calidris ptilocnemis</i>	<i>tshuktshchorum</i>	Y	G5	SNA			N	3 [w]	
Semipalmated Sandpiper	<i>Calidris pusilla</i>		Y	G5	SNA			N	2 [m]; National-5 [b]	
Wilson's Snipe	<i>Gallinago delicata</i>		Y	G5	S5B			Y	2 [[b,w]	
Wandering Tattler	<i>Heteroscelus incanus</i>		B	G5	S3S4B			Y	1 [b]	

Short-billed Dowitcher	<i>Limnodromus griseus</i>		B	G5	S2S4B				Y	1 [b]; National-5 [b]	
Short-billed Dowitcher	<i>Limnodromus griseus</i>	<i>caurinus</i>									3[b]
	<i>Limnodromus</i>										
Long-billed Dowitcher	<i>scolopaceus</i>		Y	G5	SNA				N	4 [m,w]	
Marbled Godwit	<i>Limosa fedoa</i>		Y	G5	SNA				N		
Hudsonian Godwit	<i>Limosa haemastica</i>		R	G4	S2B				Y	1 [b]; national-5 [b]	
Long-billed Curlew	<i>Numenius americanus</i>		B	G5	S3B	SC	Y		Y	2 [b]	
Long-billed Curlew	<i>Numenius americanus</i>	<i>parvus</i>									2 [b]
Whimbrel	<i>Numenius phaeopus</i>	<i>hudsonicus</i>	Y	G5	SNA				N	2 [m]	
Red Phalarope	<i>Phalaropus fulicarius</i>		Y	G5	SNA				N	3? [m]	
										1 [b,m];	
Red-necked Phalarope	<i>Phalaropus lobatus</i>		B	G4G5	S3S4B				Y	National-5 [b]	
										2 [b]; national-5 [b]	
Wilson's Phalarope	<i>Phalaropus tricolor</i>		Y	G5	S4S5B				Y	5 [b]	
										2 [b]; National-5 [b]	
Lesser Yellowlegs	<i>Tringa flavipes</i>		Y	G5	S5B				Y	5 [b]	
										2 [b]; National-5 [b]	
Greater Yellowlegs	<i>Tringa melanoleuca</i>		Y	G5	S5B				Y	5 [b]	
										2 [b]; National-5 [b]	
Solitary Sandpiper	<i>Tringa solitaria</i>		Y	G5	S5B				Y	5 [b]	
Solitary Sandpiper	<i>Tringa solitaria</i>	<i>cinnamomea</i>									1[b]
Solitary Sandpiper	<i>Tringa solitaria</i>	<i>solitaria</i>									2[b]
Buff-breasted Sandpiper	<i>Tryngites subruficollis</i>		Y	G4	SNA				N	2[m]	
	Laridae										
Black Tern	<i>Chlidonias niger</i>	<i>surinamensis</i>	Y	G4	S4B	NAR			Y	2 [b]	
Herring Gull	<i>Larus argentatus</i>	<i>smithsonianus</i>	Y	G5	S5B				Y	2 [b,w]	
California Gull	<i>Larus californicus</i>		B	G5	S3B				Y	1 [b,w]	
California Gull	<i>Larus californicus</i>	<i>albertaensis</i>									1 [b,w]
Mew Gull	<i>Larus canus</i>	<i>brachyrhynchus</i>	Y	G5	S5B				Y	2 [b,w]	
										2 [b,w];	
Ring-billed Gull	<i>Larus delawarensis</i>		Y	G5	S4B				Y	National-5 [b]	
Glaucous-winged Gull	<i>Larus glaucescens</i>		Y	G5	S5B				Y	3 [r]	
Heermann's Gull	<i>Larus heermanni</i>		Y	G4	SNA				N	0 [m]	
Glaucous Gull	<i>Larus hyperboreus</i>		Y	G5	SNA				N	2 [w]	
Glaucous Gull	<i>Larus hyperboreus</i>	<i>barrovianus</i>									3 [w]
Western Gull	<i>Larus occidentalis</i>		Y	G5	SNA				N	1 [b,w]	
Western Gull	<i>Larus occidentalis</i>	<i>occidentalis</i>	Y	G5	SNA				N		1 [b,w]
										2[b,w];	
Bonaparte's Gull	<i>Larus philadelphia</i>		Y	G5	S5B				Y	National-5 [b]	
Franklin's Gull	<i>Larus pipixcan</i>		Y	G4G5	SNA				Y	1 [b]	
Thayer's Gull	<i>Larus thayeri</i>		Y	G5	SNA				N	3 [w]	
Black-legged Kittiwake	<i>Rissa tridactyla</i>		Y	G5	SNA				Y	2 [w,b]	
Black-legged Kittiwake	<i>Rissa tridactyla</i>	<i>pollicaris</i>								2 [w,b]	
Long-tailed Jaeger	<i>Stercorarius longicaudus</i>		Y	G5	SNA				N	2 [m]	
	<i>Stercorarius</i>										
South Polar Skua	<i>maccormicki</i>		Y	G5	SNA				N	0 [b,m]	
Parasitic Jaeger	<i>Stercorarius parasiticus</i>		Y	G5	SNA				N	2 [m]	
Pomarine Jaeger	<i>Stercorarius pomarinus</i>		Y	G5	SNA				N	2 [m]	
Caspian Tern	<i>Sterna caspia</i>		B	G5	S3B	NAR			Y	1 [b]	
Forster's Tern	<i>Sterna forsteri</i>		R	G5	S1B	DD			Y	0 [b]	
Common Tern	<i>Sterna hirundo</i>	<i>hirundo</i>	Y	G5	SNA	NAR			N	2 [m]	

Arctic Tern	<i>Sterna paradisaea</i>		Y	G5	S4?B			Y		1 [b]	
Sabine's Gull	<i>Xema sabini</i>		Y	G5	SNA			N		0 [m,w]	
Alcidae											
<i>Brachyramphus</i>											
Marbled Murrelet	<i>marmoratus</i>		R	G3G4	S2B,S4N	T	Y	Y		3 [r]	
Pigeon Guillemot	<i>Cepphus columba</i>		Y	G5	S4B			Y		2 [r]	
Pigeon Guillemot	<i>Cepphus columba</i>	<i>adiana</i>									2 [r]
Rhinoceros Auklet	<i>Cerorhinca monocerata</i>		Y	G5	S4B			Y		4 [r]	
Tufted Puffin	<i>Fratercula cirrhata</i>		B	G5	S3B,S4N			Y		3 [b]	
Horned Puffin	<i>Fratercula corniculata</i>		R	G5	S2B			Y		2 [b]	
<i>Ptychoramphus</i>											
Cassin's Auklet	<i>aleuticus</i>	<i>aleuticus</i>	B	G4	N		Y	Y		6 [r]	
<i>Synthliboramphus</i>											
Ancient Murrelet	<i>antiquus</i>		B	G4	N	SC	Y	Y		4 [r]	
										2 [b,w];	
										national-5 [b]	
Common Murre	<i>Uria aalge</i>		R	G5	S2B,S4N			Y			
Common Murre	<i>Uria aalge</i>	<i>californica</i>									3 [b,w]
Common Murre	<i>Uria aalge</i>	<i>inomata</i>									1 [b]
Thick-billed Murre	<i>Uria lomvia</i>		R	G5	S1B			Y		0 [b]	
Thick-billed Murre	<i>Uria lomvia</i>	<i>arra</i>									1 [b]
Columbiformes											
Columbidae											
Passenger Pigeon	<i>Ectopistes migratorius</i>		Ext	GX	SX	XX		Y		Extinct	
Band-tailed Pigeon	<i>Patagioenas fasciata</i>		B	G4	S3S4B			Y		1 [r]	
Band-tailed Pigeon	<i>Patagioenas fasciata</i>	<i>monilis</i>									
Mourning Dove	<i>Zenaidura macroura</i>		Y	G5	S4B			Y		2 [r]	
Mourning Dove	<i>Zenaidura macroura</i>	<i>marginella</i>									
Cuculiformes											
Cuculidae											
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	<i>occidentalis</i>	R	G5	SXB			Y		extirpated	
Strigiformes											
Tytonidae											
Barn Owl	<i>Tyto alba</i>		B	G5	S3	SC		Y		1 [r]	
Barn Owl	<i>Tyto alba</i>	<i>pratincola</i>									1 [r]
Strigidae											
Northern Saw-whet Owl	<i>Aegolius acadicus</i>		Y	G5	S5B,S5N			Y		2 [r]	
Northern Saw-whet Owl	<i>Aegolius acadicus</i>	<i>acadicus</i>									2 [r]
Northern Saw-whet Owl	<i>Aegolius acadicus</i>	<i>brooksi</i>	B	G5T3	S2S3	T		Y	Y		7 [r]
Boreal Owl	<i>Aegolius funereus</i>	<i>richardsonii</i>	Y	G5	S4	NAR		Y		2 [r]	
Short-eared Owl	<i>Asio flammeus</i>	<i>flammeus</i>	B	G5	S3B,S2N	SC	Y	Y		2 [r]	
Long-eared Owl	<i>Asio otus</i>		Y	G5	S4B			Y		2 [r]	
Long-eared Owl	<i>Asio otus</i>	<i>tuftsi</i>	Y	G5	S4B			Y			2 [r]
Burrowing Owl	<i>Athene cunicularia</i>		R	G4	S1B	E	Y	End	Y	0 [b]	
Burrowing Owl	<i>Athene cunicularia</i>	<i>hypugaea</i>									0 [b]
Snowy Owl	<i>Bubo scandiacus</i>		Y	G5	S3N	NAR		N		2 [w]	
Great Horned Owl	<i>Bubo virginianus</i>		Y	G5	S5			Y		4 [r]	
Great Horned Owl	<i>Bubo virginianus</i>	<i>lagophonus</i>									4 [r]
Great Horned Owl	<i>Bubo virginianus</i>	<i>saturatus</i>									4 [r]
Great Horned Owl	<i>Bubo virginianus</i>	<i>subarcticus</i>									1 [r]
Northern Pygmy-Owl	<i>Glaucidium gnoma</i>		Y	G5	S4S5B			Y		3 [r]	
Northern Pygmy-Owl	<i>Glaucidium gnoma</i>	<i>californicum</i>									3 [r]
Northern Pygmy-Owl	<i>Glaucidium gnoma</i>	<i>grinelli</i>									4 [r]
Northern Pygmy-Owl	<i>Glaucidium gnoma</i>	<i>swarthi</i>	B	G5T3Q	S3		Y	Y	Y		7 [r]

Western Screech-Owl	<i>Megascops kennicottii</i>		Y	G5	S4				Y	1 [r]	
Western Screech-Owl	<i>Megascops kennicottii</i>	<i>kennicottii</i>	B	G5T4	S3	SC			Y		5 [r]
Western Screech-Owl	<i>Megascops kennicottii</i>	<i>macfarlanei</i>	R	G5T4	S1	E	Y		Y		1[r]
Flammulated Owl	<i>Otus flammeolus</i>	<i>idaheensis</i>	B	G4	S3S4B	SC	Y		Y	1 [b]	
Great Gray Owl	<i>Strix nebulosa</i>	<i>nebulosa</i>	Y	G5	S4B	NAR			Y	2 [r]	
Spotted Owl	<i>Strix occidentalis</i>		R	G3	S1	E	Y		Y	1 [r]	
Spotted Owl	<i>Strix occidentalis</i>	<i>caurina</i>									1 [r]
Barred Owl	<i>Strix varia</i>		Y	G5	S5B				Y	2 [r]	
Barred Owl	<i>Strix varia</i>	<i>varia</i>									2 [r]
Northern Hawk Owl	<i>Surnia ulula</i>	<i>caparoch</i>	Y	G5	S4S5B	NAR			Y	2 [r]	
Caprimulgiformes											
Caprimulgidae											
Common Nighthawk	<i>Chordeiles minor</i>		Y	G5	S4B				Y	2 [b]	
Common Nighthawk	<i>Chordeiles minor</i>	<i>hesperis</i>									1 [b]
Common Nighthawk	<i>Chordeiles minor</i>	<i>minor</i>									2 [b]
Common Poorwill	<i>Phalaenoptilus nuttallii</i>		Y	G5	S4B	DD			Y	1 [b]	
Coraciiformes											
Alcedinidae											
Belted Kingfisher	<i>Ceryle alcyon</i>		Y	G5	S5B				Y	2 [r]; National-5 [b]	
Belted Kingfisher	<i>Ceryle alcyon</i>	<i>caurina</i>									3 [r]
Apodiformes											
Apodidae											
White-throated Swift	<i>Aeronautes saxatalis</i>	<i>saxatilis</i>	Y	G5	S4				Y	1 [b]	
Vaux's Swift	<i>Chaetura vauxi</i>	<i>vauxi</i>	Y	G5	S4B				Y	2 [b]; National-5 [b]	
Black Swift	<i>Cypseloides niger</i>	<i>borealis</i>	Y	G4	S4S5B				Y	4 [b]	
Trochilidae											
Black-chinned Hummingbird	<i>Archilochus alexandri</i>		Y	G5	S4B				Y	1 [b]	
Anna's Hummingbird	<i>Calypte anna</i>		Y	G5	S4S5B				Y	0 [r]	
Rufous Hummingbird	<i>Selasphorus rufus</i>		Y	G5	S4B				Y	2 [b]; National-5 [b]	
Calliope Hummingbird	<i>Stellula calliope</i>		Y	G5	S4S5B				Y	3 [b]	
Piciformes											
Picidae											
Northern Flicker	<i>Colaptes auratus</i>		Y	G5	S5B				Y	2 [r]	
Northern Flicker	<i>Colaptes auratus</i>	<i>auratus</i>									2 [r]
Northern Flicker	<i>Colaptes auratus</i>	<i>cafer</i>									2 [r]
Pileated Woodpecker	<i>Dryocopus pileatus</i>	<i>picipinus</i>	Y	G5	S4S5B				Y	2 [r]	
Lewis's Woodpecker	<i>Melanerpes lewis</i>		R	G4	S2B	SC	Y		Y	1 [b]; National-5 [b]	
Lewis's Woodpecker	<i>Melanerpes lewis</i>	(Georgia Depression population)	R	G5TXQ	SXB		Y		Y		6[b]
White-headed Woodpecker	<i>Picoides albolarvatus</i>		R	G4	S1	E	Y		Y	0 [r]	
White-headed Woodpecker	<i>Picoides albolarvatus</i>	<i>albolarvatus</i>									0 [r]
Black-backed Woodpecker	<i>Picoides arcticus</i>		Y	G5	S5B				Y	2 [b]; National-5 [b]	
Three-toed Woodpecker	<i>Picoides dorsalis</i>		Y	G5	S5B				Y	2 [r]; National-5 [b]	
Three-toed Woodpecker	<i>Picoides dorsalis</i>	<i>fasciatus</i>									3 [r]

Downy Woodpecker	<i>Picoides pubescens</i>		Y	G5	S5B				Y		2 [r]	
Hairy Woodpecker	<i>Picoides villosus</i>		Y	G5	S5B				Y		2 [r]	
Hairy Woodpecker	<i>Picoides villosus</i>	<i>harrisi</i>										4 [r]
Hairy Woodpecker	<i>Picoides villosus</i>	<i>monticola</i>										3 [r]
Hairy Woodpecker	<i>Picoides villosus</i>	<i>orius</i>										1 [r]
Hairy Woodpecker	<i>Picoides villosus</i>	<i>picoideus</i>	B	G5T3	S3			Y	Y	Y		7 [r]
Hairy Woodpecker	<i>Picoides villosus</i>	<i>septentrionalis</i>										2 [r]
Red-naped Sapsucker	<i>Sphyrapicus nuchalis</i>		Y	G5	S5B				Y		6 [b]	
Red-breasted Sapsucker	<i>Sphyrapicus ruber</i>	<i>ruber</i>	Y	G5	S5B				Y		2 [r]	
Williamson's Sapsucker	<i>Sphyrapicus thyroideus</i>		NA	G5	S3B	E			Y		1 [b]	
Williamson's sapsucker	<i>Sphyrapicus thyroideus</i>	<i>nataliae</i>	R	G5TU	S1S2B	E	Y		Y			1[b]
Williamson's Sapsucker	<i>Sphyrapicus thyroideus</i>	<i>thyroideus</i>	R	G5TU	S2B	E	Y		Y			1[b]
Passeriformes												
Tyrannidae												
Olive-sided Flycatcher	<i>Contopus cooperi</i>		Y	G4	S4B				Y		2 [b]; National-5 [b]	
Western Wood-Pewee	<i>Contopus sordidulus</i>		Y	G5	S4B				Y		2 [b]; National-5 [b]	
Western Wood-Pewee	<i>Contopus sordidulus</i>	<i>saturatus</i>										6 [b]
Western Wood-Pewee	<i>Contopus sordidulus</i>	<i>veliei</i>										2 [b]
Alder Flycatcher	<i>Empidonax alnorum</i>		Y	G5	S5B				Y		2 [b]; National-5 [b]	
Pacific-slope Flycatcher	<i>Empidonax difficilis</i>	<i>difficilis</i>	Y	G5	S4S5B				Y		2 [b]	
Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>		Y	G5	S4				Y		1 [b]; National 5 [b]	
Hammond's Flycatcher	<i>Empidonax hammondii</i>		Y	G5	S5B				Y		4 [b]	
Least Flycatcher	<i>Empidonax minimus</i>		Y	G5	S5B				Y		2 [b]; National-5 [b]	
Dusky Flycatcher	<i>Empidonax oberholseri</i>		Y	G5	S4S5B				Y		2 [b]	
Cordilleran Flycatcher	<i>Empidonax occidentalis</i>	<i>hellmayri</i>	Y	G5	SU				Y		1 [b]	
Willow Flycatcher	<i>Empidonax traillii</i>		Y	G5	S4S5B				Y		1 [b]	
Gray Flycatcher	<i>Empidonax wrightii</i>		B	G5	S3B	NAR			Y		1 [b]	
Eastern Phoebe	<i>Sayornis phoebe</i>		Y	G5	S4S5B				Y		1 [b]	
Say's Phoebe	<i>Sayornis saya</i>		Y	G5	S5B				Y		1 [b]	
Eastern Kingbird	<i>Tyrannus tyrannus</i>		Y	G5	S5B				Y		2 [b]	
Western Kingbird	<i>Tyrannus verticalis</i>		Y	G5	S4S5B				Y		1 [b]	
Laniidae												
Northern Shrike	<i>Lanius excubitor</i>		Y	G5	S4S5B,S4N				Y		2 [w,b]	
Vireonidae												
Cassin's Vireo	<i>Vireo cassinii</i>	<i>cassinii</i>	Y	G5	S5B				Y		3 [b]	
Warbling Vireo	<i>Vireo gilvus</i>		Y	G5	S5B				Y		2 [b]	
Warbling Vireo	<i>Vireo gilvus</i>	<i>swainsonii</i>										2 [b]
Hutton's Vireo	<i>Vireo huttoni</i>		Y	G5	S4				Y		1 [r]	
Hutton's Vireo	<i>Vireo huttoni</i>	<i>huttoni</i>										3 [r]
Hutton's Vireo	<i>Vireo huttoni</i>	<i>insularis</i>										7 [r]
Red-eyed Vireo	<i>Vireo olivaceus</i>	<i>olivaceus group</i>	Y	G5	S4B				Y		2 [b]	

Philadelphia Vireo	<i>Vireo philadelphicus</i>		Y	G5	S4B		Y	1 [b]; National 5 [b]		
Blue-headed Vireo	<i>Vireo solitarius</i>		Y	G5	S4S5		Y	1 [b]; National 5 [b]		
Blue-headed Vireo	<i>Vireo solitarius</i>	<i>solitarius</i>							1 [b]	
Corvidae										
American Crow	<i>Corvus brachyrhynchos</i>		Y	G5	S5B		Y	2 [r]		
Northwestern Crow	<i>Corvus caurinus</i>		Y	G5	S5B		Y	6 [r]		
Common Raven	<i>Corvus corax</i>		Y	G5	S5B		Y	2 [r]		
Common Raven	<i>Corvus corax</i>	<i>sinuatus</i>							2 [r]	
Common Raven	<i>Corvus corax</i>	<i>principalis</i>							2 [r]	
Blue Jay	<i>Cyanocitta cristata</i>		Y	G5	S4S5B		Y	1 [r]		
Steller's Jay	<i>Cyanocitta stelleri</i>		Y	G5	S5B		Y	3 [r]		
Steller's Jay	<i>Cyanocitta stelleri</i>	<i>annectens</i>							1 [r]	
Steller's Jay	<i>Cyanocitta stelleri</i>	<i>carlottae</i>	B	G5T3	S3		Y	Y	7 [r]	
Steller's Jay	<i>Cyanocitta stelleri</i>	<i>stelleri</i>							4 [r]	
Clark's Nutcracker	<i>Nucifraga columbiana</i>		Y	G5	S5		Y	3 [r]		
Gray Jay	<i>Perisoreus canadensis</i>		Y	G5	S5B		Y	2 [r]; National 5 [r]		
Gray Jay	<i>Perisoreus canadensis</i>	<i>albescens</i>							1 [r]	
Gray Jay	<i>Perisoreus canadensis</i>	<i>bicolor</i>							1 [r]	
Gray Jay	<i>Perisoreus canadensis</i>	<i>pacificus</i>							2 [r]	
Gray Jay	<i>Perisoreus canadensis</i>	<i>obscurus</i>							3 [r]	
Black-billed Magpie	<i>Pica hudsonia</i>	<i>hudsonia</i>	Y	G5	S5B		Y	2 [r]	D2	
Alaudidae										
Horned Lark	<i>Eremophila alpestris</i>		Y	G5	S5B		Y	2 [r]		
Horned Lark	<i>Eremophila alpestris</i>	<i>arctica</i>							3?[b,w]	
Horned Lark	<i>Eremophila alpestris</i>	<i>merrilli</i>	B	G5TU	S3S4B		Y		3?[b]	
Horned Lark	<i>Eremophila alpestris</i>	<i>strigata</i>	R	G5T2	SX	E	Y		4?[r]	
Hirundinidae										
Barn Swallow	<i>Hirundo rustica</i>		B	G5	S3S4B		Y	2 [b]		
Barn Swallow	<i>Hirundo rustica</i>	<i>erythrogaster</i>							2 [b]	
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>		Y	G5	S4S5B		Y	2 [b]		
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>	<i>pyrrhonota</i>							1 [b]	
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>	<i>hypopolia</i>							2 [b]	
Purple Martin	<i>Progne subis</i>		B	G5	S2S3B		Y	0 [b]		
Purple Martin	<i>Progne subis</i>	<i>arboricola</i>							0 [b]	
Purple Martin	<i>Progne subis</i>	<i>subis</i>							[v]	
Bank Swallow	<i>Riparia riparia</i>	<i>riparia</i>	Y	G5	S5B		Y	2 [b]		
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>		Y	G5	S4S5B		Y	2 [b]		
Tree Swallow	<i>Tachycineta bicolor</i>		Y	G5	S4S5B		Y	2 [b]		
Violet-green Swallow	<i>Tachycineta thalassina</i>		Y	G5	S5B		Y	2 [b]		
Paridae										
Black-capped Chickadee	<i>Poecile atricapillus</i>		Y	G5	S5B		Y	2 [r]; National 5 [b]		
Black-capped Chickadee	<i>Poecile atricapillus</i>	<i>occidentalis</i>							1 [r]	
Black-capped Chickadee	<i>Poecile atricapillus</i>	<i>septentrionalis</i>							2 [r]	
Black-capped Chickadee	<i>Poecile atricapillus</i>	<i>fortuitus</i>							1 [r]	
Mountain Chickadee	<i>Poecile gambeli</i>		Y	G5	S5B		Y	2 [r]; National 5 [b]		

Boreal Chickadee	<i>Poecile hudsonica</i>		Y	G5	S5B		Y	2 [r]	
Chestnut-backed Chickadee	<i>Poecile rufescens</i>		Y	G5	S4S5B		Y	5 [r]	
Chestnut-backed Chickadee	<i>Poecile rufescens</i>	<i>rufescens</i>							6 [r]
	Aegithalidae								
Bushtit	<i>Psaltriparus minimus</i>		Y	G5	S5B		Y	1 [r]	
Bushtit	<i>Psaltriparus minimus</i>	<i>saturatus</i>							4 [r]
	Sittidae								
Red-breasted Nuthatch	<i>Sitta canadensis</i>		Y	G5	S5B		Y	2 [r]; National 5 [b]	
White-breasted Nuthatch	<i>Sitta carolinensis</i>		Y	G5	S4		Y	1 [r]	
White-breasted Nuthatch	<i>Sitta carolinensis</i>	<i>cookei</i>							1[r]
White-breasted Nuthatch	<i>Sitta carolinensis</i>	<i>tenuissima</i>							2 [r]
White-breasted Nuthatch	<i>Sitta carolinensis</i>	<i>aculeata</i>							1 [r]
Pygmy Nuthatch	<i>Sitta pygmaea</i>		Y	G5	S4		Y	1 [r]	1 [r]
Pygmy Nuthatch	<i>Sitta pygmaea</i>	<i>melanotis</i>	Y	G5	S4				1 [r]
	Certhiidae								
Brown Creeper	<i>Certhia americana</i>		Y	G5	S4S5B		Y	2 [r]	
Brown Creeper	<i>Certhia americana</i>	<i>alascensis</i>							6[m]
Brown Creeper	<i>Certhia americana</i>	<i>occidentalis</i>							4[m]
Brown Creeper	<i>Certhia americana</i>	<i>montana</i>							3[m]
Brown Creeper	<i>Certhia americana</i>	<i>stewarti</i>					Y?		7[r]
	Troglodytidae								
Canyon Wren	<i>Catherpes mexicanus</i>		B	G5	S3	NAR	Y	1 [r]	
Marsh Wren	<i>Cistothorus palustris</i>		Y	G5	S5B		Y	2 [r]; National 5 [b]	
Marsh Wren	<i>Cistothorus palustris</i>	<i>browningi</i>							6 [r]
Marsh Wren	<i>Cistothorus palustris</i>	<i>laingi</i>							1[b]
Marsh Wren	<i>Cistothorus palustris</i>	<i>pulverius</i>							2 [b]
Rock Wren	<i>Salpinctes obsoletus</i>		Y	G5	S4S5B		Y	1 [b]	
Rock Wren	<i>Salpinctes obsoletus</i>	<i>obsoletus</i>							1 [b]
Bewick's Wren	<i>Thryomanes bewickii</i>		Y	G5	S4S5		Y	6 [r]	
House Wren	<i>Troglodytes aedon</i>		Y	G5	S5B		Y	2 [r]; National 2 [b] 5 [b]	
Winter Wren	<i>Troglodytes troglodytes</i>		Y	G5	S5B		Y		
Winter Wren	<i>Troglodytes troglodytes</i>	<i>hiemalis</i>							1[r]
Winter Wren	<i>Troglodytes troglodytes</i>	<i>pacificus</i>							4 [r]
Winter Wren	<i>Troglodytes troglodytes</i>	<i>salebrosus</i>							4 [r]
	Cinclidae								
American Dipper	<i>Cinclus mexicanus</i>	<i>unicolor</i>	Y	G5	S5B,S4N		Y	3 [r]	
	Regulidae								
Ruby-crowned Kinglet	<i>Regulus calendula</i>		Y	G5	S5B		Y	2 [r]; National 5 [b]	
Ruby-crowned Kinglet	<i>Regulus calendula</i>	<i>calendula</i>							2 [b]
Ruby-crowned Kinglet	<i>Regulus calendula</i>	<i>grinnelli</i>							5 [r]
Golden-crowned Kinglet	<i>Regulus satrapa</i>		Y	G5	S5B		Y	4 [r]	
Golden-crowned Kinglet	<i>Regulus satrapa</i>	<i>olivaceus</i>							4 [r]
Golden-crowned Kinglet	<i>Regulus satrapa</i>	<i>apache</i>							4 [r]

Turdidae												
Veery	<i>Catharus fuscescens</i>		Y	G5	S4S5B				Y		2 [b]; National 5 [b]	
Veery	<i>Catharus fuscescens</i>	<i>salicicola</i>										4 [b]
Hermit Thrush	<i>Catharus guttatus</i>		Y	G5	S5B				Y		4 [b]	
Hermit Thrush	<i>Catharus guttatus</i>	<i>vaccinius</i>								y		7 [r]
Hermit Thrush	<i>Catharus guttatus</i>	<i>verecundus</i>								Y		7 [r]
Gray-cheeked Thrush	<i>Catharus minimus</i>		Y	G5	S4S5B				Y		1 [b]; National 5 [b]	
Gray-cheeked Thrush	<i>Catharus minimus</i>	<i>aliciae</i>										1[b]
Swainson's Thrush	<i>Catharus ustulatus</i>		Y	G5	S4S5B				Y		2 [b]; National 5 [b]	
Swainson's Thrush	<i>Catharus ustulatus</i>	<i>incanus</i>										3[b]
Swainson's Thrush	<i>Catharus ustulatus</i>	<i>phillipsi</i>							Y			7[r]
Swainson's Thrush	<i>Catharus ustulatus</i>	<i>swainsoni</i>										2[b]
Swainson's Thrush	<i>Catharus ustulatus</i>	<i>ustulatus</i>										5[b]
Varied Thrush	<i>Ixoreus naevius</i>		Y	G5	S5B				Y		2 [r]	
Varied Thrush	<i>Ixoreus naevius</i>	<i>carlottae</i>										7[r]
Varied Thrush	<i>Ixoreus naevius</i>	<i>godfreii</i>										5?[r]
Varied Thrush	<i>Ixoreus naevius</i>	<i>meruloides</i>										4[b,w]
Varied Thrush	<i>Ixoreus naevius</i>	<i>naevius</i>										5[b,w]
Townsend's Solitaire	<i>Myadestes townsendi</i>	<i>townsendi</i>	Y	G5	S5B				Y		3 [r]	
Mountain Bluebird	<i>Sialia currucoides</i>		Y	G5	S4S5B				Y		2 [r]	
Western Bluebird	<i>Sialia mexicana</i>		Y	G5	S4B				Y		1 [r]	
Western Bluebird	<i>Sialia mexicana</i> pop.	(Georgia Depression population)	R	G5TNRQ	SHB				Y			6[r]
American Robin	<i>Turdus migratorius</i>		Y	G5	S5B				Y		2 [r]	
American Robin	<i>Turdus migratorius</i>	<i>caurinus</i>										4[b,w]
American Robin	<i>Turdus migratorius</i>	<i>migratorius</i>										2[b,w]
American Robin	<i>Turdus migratorius</i>	<i>propinquus</i>										2[b,w]
Mimidae												
Gray Catbird	<i>Dumetella carolinensis</i>		Y	G5	S5B				Y		2 [b]	
Northern Mockingbird	<i>Mimus polyglottos</i>		Y	G5	SNA				Y		1 [b]	
Sage Thrasher	<i>Oreoscoptes montanus</i>		R	G5	S1B	E	Y		Y		0 [b]	
Motacillidae												
American Pipit	<i>Anthus rubescens</i>		Y	G5	S5B				Y		2 [b]	
American Pipit	<i>Anthus rubescens</i>	<i>alticola</i>										1[b]
American Pipit	<i>Anthus rubescens</i>	<i>pacificus</i>										3[b]
Bombycillidae												
Cedar Waxwing	<i>Bombycilla cedrorum</i>		Y	G5	S5B				Y		2 [r]	
Bohemian Waxwing	<i>Bombycilla garrulus</i>	<i>pallidiceps</i>	Y	G5	S5B				Y		2 [r]	
Parulidae												
Bay-breasted Warbler	<i>Dendroica castanea</i>		R	G5	S2B		Y		Y		1 [b]; National 5 [b]	
Yellow-rumped Warbler	<i>Dendroica coronata</i>		Y	G5	S5B				Y		2 [r]; National 5 [b]	
Yellow-rumped Warbler	<i>Dendroica coronata</i>	<i>auduboni</i> (audubon's)										2[b,w]
Yellow-rumped Warbler	<i>Dendroica coronata</i>	<i>coronata</i> (myrtle)										1[b]
Yellow-rumped Warbler	<i>Dendroica coronata</i>	<i>hooveri</i> (myrtle)										1[b]
Magnolia Warbler	<i>Dendroica magnolia</i>		Y	G5	S5B				Y		2 [b]; national 5 [b]	
Black-throated Gray Warbler	<i>Dendroica nigrescens</i>		Y	G5	S4S5B				Y		1 [b]	
Palm Warbler	<i>Dendroica palmarum</i>		Y	G5	S4S5B				Y		1 [b]; National 5 [b]	

White-winged Crossbill	<i>Loxia leucoptera</i>	<i>leucoptera</i>	Y	G5	S5B	Y		2 [r]	
Pine Grosbeak	<i>Pinicola enucleator</i>		Y	G5	S5B	Y		2 [r]; National	
Pine Grosbeak	<i>Pinicola enucleator</i>	<i>carlottae</i>	B	G5T3	S3B	Y	Y	5 [b]	7[r]
Pine Grosbeak	<i>Pinicola enucleator</i>	<i>flammula</i>							1[b,w]
Pine Grosbeak	<i>Pinicola enucleator</i>	<i>montanus</i>							5[r]

Exotics and Accidentals

Mottled Petrel	<i>Pterodroma inexpectata</i>		Acc	G3	SNA				N
Murphy's Petrel	<i>Pterodroma ultima</i>		Acc	G2G3	SNA				N
Black-vented Shearwater	<i>Puffinus opisthomelas</i>		Acc	G2	SNA				N
Manx Shearwater	<i>Puffinus puffinus</i>		Acc	G5	SNA				N
Brown Pelican	<i>Pelecanus occidentalis</i>	<i>californicus</i>							acc??
Magnificent Frigatebird	<i>Fregata magnificens</i>		Acc	G5	SNA				N
Red-faced Cormorant	<i>Phalacrocorax urile</i>		Acc	G5	SNA				N
Red-tailed Tropicbird	<i>Phaethon rubricauda</i>		Acc	G4G5	SNA				N
Little Blue Heron	<i>Egretta caerulea</i>		Acc	G5	SNA				N
Snowy Egret	<i>Hydrobatidae</i>		Acc	G5	SNA				N
Least Bittern	<i>Ixobrychus exilis</i>		Acc	G5	SNA	T			N
White-faced Ibis	<i>Plegadis chihi</i>		Acc	G5	SNA				N
Black Vulture	<i>Coragyps atratus</i>		Acc	G5	SNA				N
Wood Stork	<i>Mycteria americana</i>		Acc	G4	SNA				N
Falcated Duck	<i>Anas falcata</i>		Acc	G4G5	SNA				N
Baikal Teal	<i>Anas formosa</i>		Acc	G4	SNA				N
Garganey	<i>Anas querquedula</i>		Acc	G5	SNA				N
American Black Duck	<i>Anas rubripes</i>		Exo	G5	SNA				Y
Tufted Duck	<i>Aythya fuligula</i>		Acc	G5	SNA				N
Emperor Goose	<i>Chen canagica</i>		Acc	G3G4	SNA				N
Ross's Goose	<i>Chen rossii</i>		Acc	G4	SNA				N
Whooper Swan	<i>Cygnus cygnus</i>		Acc	G5	SNA				N
Mute Swan	<i>Cygnus olor</i>		Exo	G5	SNA				Y
Fulvous Whistling-Duck	<i>Dendrocygna bicolor</i>		Acc	G5	SNA				N
Smew	<i>Mergellus albellus</i>		Acc	G4	SNA				N
Steller's Eider	<i>Polysticta stelleri</i>		Acc	G3	SNA				N
Spectacled Eider	<i>Somateria fischeri</i>		Acc	G2	SNA				N
Common Eider	<i>Somateria mollissima</i>		Acc	G5	SNA				N
King Eider	<i>Somateria spectabilis</i>		Acc	G5	SNA				N
White-tailed Kite	<i>Elanus leucurus</i>		Acc	G5	SNA				N
Crested Caracara	<i>Caracara cheriway</i>		Acc	G5	SNA				N
Merlin	<i>Falco columbarius</i>	<i>richardsonii</i>	Acc						acc
Eurasian Kestrel	<i>Falco tinnunculus</i>		Acc	G5	SNA				N
California Quail	<i>Callipepla californica</i>		Exo	G5	SNA				Y
Northern Bobwhite	<i>Colinus virginianus</i>		Exo	G5	SNA	E			Y
Mountain Quail	<i>Oreortyx pictus</i>		Exo	G5	SNA				Y
Chukar	<i>Alectoris chukar</i>		Exo	G5	SNA				Y
Wild Turkey	<i>Meleagris gallopavo</i>		Exo	G5	SNA				Y
Gray Partridge	<i>Perdix perdix</i>		Exo	G5	SNA				Y
Ring-necked Pheasant	<i>Phasianus colchicus</i>		Exo	G5	SNA				Y
Whooping Crane	<i>Grus americana</i>		Acc	G1	SNA	E			N
Demoiselle Crane	<i>Grus virgo</i>		Acc	G4G5	SNA				N
Common Moorhen	<i>Gallinula chloropus</i>		Acc	G5	SNA				N

Snowy Plover	<i>Charadrius alexandrinus</i>	Acc	G4	SNA		N
Piping Plover	<i>Charadrius melodus</i>	Acc	G3	SNA		Y
Lesser Sand-plover	<i>Charadrius mongolus</i>	Acc	G4G5	SNA		N
Mountain Plover	<i>Charadrius montanus</i>	Acc	G2	SNA	E	N
Black-necked Stilt	<i>Himantopus mexicanus</i>	NA	G5	SNA		Y
Curlew Sandpiper	<i>Calidris ferruginea</i>	Acc	G5?	SNA		N
White-rumped Sandpiper	<i>Calidris fuscicollis</i>	Acc	G5	SNA		N
Little Stint	<i>Calidris minuta</i>	Acc	G5	SNA		N
Red-necked Stint	<i>Calidris ruficollis</i>	Acc	G5	SNA		N
Temminck's Stint	<i>Calidris temminckii</i>	Acc	G5	SNA		N
Great Knot	<i>Calidris tenuirostris</i>	Acc	G4G5	SNA		N
Willet	<i>Catoptrophorus semipalmatus</i> <i>Eurynorhynchus</i>	Acc	G5	SNA		N
Spoon-billed Sandpiper	<i>pygmeus</i>	Acc	G2G3	SNA		N
Bar-tailed Godwit	<i>Limosa lapponica</i> <i>Numenius</i>	Acc	G5	SNA		N
Far Eastern Curlew	<i>madagascariensis</i>	Acc	G4	SNA		N
Bristle-thighed Curlew	<i>Numenius tahitiensis</i>	Acc	G2	SNA		N
Ruff	<i>Philomachus pugnax</i>	Acc	G5	SNA		N
Spotted Redshank	<i>Tringa erythropus</i>	Acc	G5	SNA		N
Wood Sandpiper	<i>Tringa glareola</i>	Acc	G5	SNA		N
Terek Sandpiper	<i>Xenus cinereus</i>	Acc	G5	SNA		N
Herring Gull	<i>Larus argentatus</i>				<i>vegae</i>	
Laughing Gull	<i>Larus atricilla</i>	Acc	G5	SNA		N
Black-tailed Gull	<i>Larus crassirostris</i>	Acc	G4	SNA		N
Lesser Black-backed Gull	<i>Larus fuscus</i>	Acc	G5	SNA		N
Iceland Gull	<i>Larus glaucoides</i>	Acc	G5	SNA		N
Great Black-backed Gull	<i>Larus marinus</i>	Acc	G5	SNA		N
Little Gull	<i>Larus minutus</i>	Acc	G5	SNA		N
Black-headed Gull	<i>Larus ridibundus</i>	Acc	G5	SNA		N
Slaty-backed Gull	<i>Larus schistisagus</i>	Acc	G5	SNA		N
Ivory Gull	<i>Pagophila eburnea</i>	Acc	G5	SNA	SC	N
Ross's Gull	<i>Rhodostethia rosea</i>	Acc	G3G4	SNA	T	N
Red-legged Kitiwake	<i>Rissa brevirostris</i>	Acc	G2G3	SNA		N
Aleutian Tern	<i>Sterna aleutica</i>	Acc	G4	SNA		N
Least Tern	<i>Sterna antillarum</i>	Acc	G4	SNA		N
Elegant Tern	<i>Sterna elegans</i>	Acc	G2	SNA		N
Crested Auklet	<i>Aethia cristatella</i>	Acc	G5	SNA		N
Parakeet Auklet	<i>Aethia psittacula</i> <i>Brachyramphus</i>	Acc	G5	SNA		N
Kittlitz's Murrelet	<i>brevirostris</i> <i>Synthliboramphus</i>	Acc	G2	SNA		N
Xantus's Murrelet	<i>hypoleucus</i>	Acc	G3	SNA		N
Rock Pigeon	<i>Columba livia</i>	Exo	G5	SNA		Y
Eurasian Collared Dove	<i>Streptopelia decaocto</i>	Exo	G5	SNA		N
Oriental Turtle-Dove	<i>Streptopelia orientalis</i>	Acc	G4	SNA		N
White-winged Dove	<i>Zenaidura asiatica</i> <i>Coccyzus</i>	Acc	G5	SNA		N
Black-billed Cuckoo	<i>erythrophthalmus</i>	Acc	G5	SNA		N
Whip-poor-will	<i>Caprimulgus vociferus</i>	Acc	G5	SNA		N

Ruby-throated Hummingbird	<i>Archilochus colubris</i>	Acc	G5	SNA		N
Costa's Hummingbird	<i>Calypte costae</i>	Acc	G5	SNA		N
Xantus' Hummingbird	<i>Hylocharis xantusii</i>	Acc	G2	SNA		N
Broad-tailed Hummingbird	<i>Selasphorus platycercus</i>	Acc	G5	SNA		N
Red-headed Woodpecker	<i>Melanerpes erythrocephalus</i>	Acc	G5	SNA	SC	N
Acorn Woodpecker	<i>Melanerpes formicivorus</i>	Acc	G5	SNA		N
Acadian Flycatcher	<i>Empidonax vireescens</i>	Acc	G5	SNA	E	N
Ash-throated Flycatcher	<i>Myiarchus cinerascens</i>	Acc	G5	SNA		N
Great Crested Flycatcher	<i>Myiarchus crinitus</i>	Acc	G5	SNA		N
Black Phoebe	<i>Sayornis nigricans</i>	Acc	G5	SNA		N
Thick-billed Kingbird	<i>Tyrannus crassirostris</i>	Acc	G5	SNA		N
Gray Kingbird	<i>Tyrannus dominicensis</i>	Acc	G5	SNA		N
Scissor-tailed Flycatcher	<i>Tyrannus forficatus</i>	Acc	G5	SNA		N
Tropical Kingbird	<i>Tyrannus melancholicus</i>	Acc	G5	SNA		N
Loggerhead Shrike	<i>Lanius ludovicianus</i>	Acc	G4	SNA		N
Western Scrub-Jay	<i>Aphelocoma californica</i>	Acc	G5	SNA		N
	<i>Gymnorhinus cyanocephalus</i>	Acc	G5	SNA		Y
Pinyon Jay	<i>cyanocephalus</i>	Acc	G5	SNA		Y
Sky Lark	<i>Alauda arvensis</i>	Exo	G5	SNA		Y
Sky Lark	<i>Alauda arvensis arvensis</i>	Exo	G5T5	SNA		Y
Barn Swallow	<i>Hirundo rustica gutturalis</i>					
Sedge Wren	<i>Cistothorus platensis</i>	Acc	G5	SNA		N
Blue-gray Gnatcatcher	<i>Poliophtila caerulea</i>	Acc	G5	SNA		N
Blue Rock-Thrush	<i>Monticola solitarius</i>	Acc	G5	SNA		N
Northern Wheatear	<i>Oenanthe oenanthe</i>	Acc	G5	SNA		N
Dusky Thrush	<i>Turdus naumanni</i>	Acc	G4G5	SNA		N
Fieldfare	<i>Turdus pilaris</i>	Acc	G5	SNA		Y
Brown Thrasher	<i>Toxostoma rufum</i>	Acc	G5	SNA		N
Red-throated Pipit	<i>Anthus cervinus</i>	Acc	G5	SNA		N
Sprague's Pipit	<i>Anthus spragueii</i>	Acc	G4	SNA		Y
White Wagtail	<i>Motacilla alba</i>	Acc	G5?	SNA		N
Gray Wagtail	<i>Motacilla cinerea</i>	Acc	G5	SNA		N
Yellow Wagtail	<i>Motacilla tschutschensis</i>	Acc	G5	SNA		N
Crested Myna	<i>Acridotheres cristatellus</i>	Exo	G5	SNA		Y
European Starling	<i>Sturnus vulgaris</i>	Exo	G5	SNA		Y
Black-throated Blue Warbler	<i>Dendroica caerulescens</i>	Acc	G5	SNA		N
Prairie Warbler	<i>Dendroica discolor</i>	Acc	G5	SNA		N
Yellow-throated Warbler	<i>Dendroica dominica</i>	Acc	G5	SNA		N
Blackburnian Warbler	<i>Dendroica fusca</i>	Acc	G5	SNA		N
Hermit Warbler	<i>Dendroica occidentalis</i>	Acc	G4G5	SNA		N
Chestnut-sided Warbler	<i>Dendroica pensylvanica</i>	Acc	G5	SNA		Y
Pine Warbler	<i>Dendroica pinus</i>	Acc	G5	SNA		N
Painted Redstart	<i>Myioborus pictus</i>	Acc	G5	SNA		N

Northern Parula	<i>Parula americana</i>	Acc	G5	SNA		N
Prothonotary Warbler	<i>Protonotaria citrea</i>	Acc	G5	SNA		N
Hooded Warbler	<i>Wilsonia citrina</i>	Acc	G5	SNA		N
Scarlet Tanager	<i>Piranga olivacea</i>	Acc	G5	SNA		N
Blue Grosbeak	<i>Passerina caerulea</i>	Acc	G5	SNA		N
Indigo Bunting	<i>Passerina cyanea</i>	Acc	G5	SNA		Y
Dickcissel	<i>Spiza americana</i>	Acc	G5	SNA		N
Baird's Sparrow	<i>Ammodramus bairdii</i>	Acc	G4	SNA	NAR	N
Sage Sparrow	<i>Amphispiza belli</i>	Acc	G5	SNA		N
Black-throated Sparrow	<i>Amphispiza bilineata</i>	Acc	G5	SNA		N
	<i>Calamospiza</i>					
Lark Bunting	<i>melanocorys</i>	Acc	G5	SNA		N
Mccown's Longspur	<i>Calcarius mccownii</i>	Acc	G4	SNA		N
Chestnut-collared Longspur	<i>Calcarius ornatus</i>	Acc	G5	SNA		N
Rustic Bunting	<i>Emberiza rustica</i>	Acc	G5	SNA		N
Green-tailed Towhee	<i>Pipilo chlorurus</i>	Acc	G5	SNA		N
	<i>Plectrophenax</i>					
Mckay's Bunting	<i>hyperboreus</i>	Acc	G3	SNA		N
Hooded Oriole	<i>Icterus cucullatus</i>	Acc	G5	SNA		N
Orchard Oriole	<i>Icterus spurius</i>	Acc	G5	SNA		N
Great-tailed Grackle	<i>Quiscalus mexicanus</i>	Acc	G5	SNA		N
Lesser Goldfinch	<i>Carduelis psaltria</i>	Acc	G5	SNA		N
House Sparrow	<i>Passer domesticus</i>	Exo	G5	SNA		Y
Siberian Accentor	<i>Prunella montanella</i>	Acc	G5	SNA		N

Appendix 11 Mammals - provincial responsibility

English Name	Species	Subspecies	CDC	S rank	G rank	Status			Responsibility			Global Range	
						IWMS	WILD ACT	COSEWIC IUCN	Species	Subspp	Disjunct		
Didelphimorphia													
Didelphidae													
North American Opossum	<i>Didelphis virginiana</i>		Exotic	SNA	G5						1		L
Lipotyphla													
Soricidae													
Black-backed Shrew	<i>Sorex arcticus</i>		Y	S4	G5						0		M
Pacific Water Shrew	<i>Sorex bendirii</i>		R	S1S2	G4	Y		E			5		S
Common Shrew	<i>Sorex cinereus</i>		Y	S5	G5						2		L
Common Shrew	<i>Sorex cinereus</i>	<i>cinereus</i>										2	L
Common Shrew	<i>Sorex cinereus</i>	<i>streatori</i>										4	S
Pygmy Shrew	<i>Sorex hoyi</i>		Y	S5	G5						3		L
Merriam's Shrew	<i>Sorex merriami</i>		R	S1	G5						0		M
Dusky Shrew	<i>Sorex monticolus</i>		Y	S5	G5						3		M
Dusky Shrew	<i>Sorex monticolus</i>	<i>calvertensis</i>										7	S
Dusky Shrew	<i>Sorex monticolus</i>	<i>elassodon</i>										4	S
Dusky Shrew	<i>Sorex monticolus</i>	<i>insularis</i>										7	S
Dusky Shrew	<i>Sorex monticolus</i>	<i>isolatus</i>										7	S
Dusky Shrew	<i>Sorex monticolus</i>	<i>longicaudus</i>										4	S
Dusky Shrew	<i>Sorex monticolus</i>	<i>obscurus</i>										2	M
Dusky Shrew	<i>Sorex monticolus</i>	<i>prevostensis</i>										7	S
Dusky Shrew	<i>Sorex monticolus</i>	<i>setosus</i>										6	S
Common Water Shrew	<i>Sorex palustris</i>		Y	S5	G5						3		L
Common Water Shrew	<i>Sorex palustris</i>	<i>brooksi</i>	R	S2	G5T2	Y						7	S
Preble's Shrew	<i>Sorex preblei</i>		R	S1S2	G4						0		S
Trowbridge's Shrew	<i>Sorex trowbridgii</i>		B	S3S4	G5						0		S
Vagrant Shrew	<i>Sorex trowbridgii</i>	<i>trowbridgii</i>										1	S
Tundra Shrew	<i>Sorex tundrensis</i>		R	S2	G5						0		S
Tundra Shrew	<i>Sorex tundrensis</i>	<i>tundrensis</i>										0	S
Vagrant Shrew	<i>Sorex vagrans</i>		Y	S5	G5						3		M
Vagrant Shrew	<i>Sorex vagrans</i>	<i>vagrans</i>										3	M
Talpidae													
Shrew-mole	<i>Neurotrichus gibbsii</i>		Y	S4	G5						1		S
Shrew-mole	<i>Neurotrichus gibbsii</i>	<i>gibbsii</i>										1	S
Coast Mole	<i>Scapanus orarius</i>		Y	S5	G5						1		S
Coast Mole	<i>Scapanus orarius</i>	<i>schefferi</i>										1	S
Townsend's Mole	<i>Scapanus townsendii</i>		R	S1	G5			E			0		S
Townsend's Mole	<i>Scapanus townsendii</i>	<i>townsendii</i>										0	S

Chiroptera
Molossidae

Big Free-tailed Bat	<i>Nyctinomops macrotis</i>		Acc	SNA	G5			0			S
Vespertilionidae											
Pallid Bat	<i>Antrozous pallidus</i>		R	S1	G5		T	0			M
Pallid Bat	<i>Antrozous pallidus</i>	<i>pallidus</i>							0		S
Townsend's Big-eared Bat	<i>Corynorhinus townsendii</i>		B	S2S3	G4			2			L
Townsend's Big-eared Bat	<i>Corynorhinus townsendii</i>	<i>pallescens</i>							2		M
Townsend's Big-eared Bat	<i>Corynorhinus townsendii</i>	<i>townsendii</i>								0-1	S
Big Brown Bat	<i>Eptesicus fuscus</i>		Y	S4S5	G5			2			L
Big Brown Bat	<i>Eptesicus fuscus</i>	<i>bernardinus</i>							3		S
Spotted Bat	<i>Euderma maculatum</i>		B	S3S4	G4	Y	SC	1			M
	<i>Lasionycteris noctivagans</i>		Y	S4	G5			2			L
Western Red Bat	<i>Lasiurus blossevillii</i>		R	S1	G5			0			S
Western Red Bat	<i>Lasiurus blossevillii</i>	<i>frantzi</i>							0	D1	L
Hoary Bat	<i>Lasiurus cinereus</i>		Y	S4	G5			2			L
Hoary Bat	<i>Lasiurus cinereus</i>	<i>cinereus</i>							2		S
California Myotis	<i>Myotis californicus</i>		Y	S4S5	G5			3			M
California Myotis	<i>Myotis californicus</i>	<i>californicus</i>							3		M
California Myotis	<i>Myotis californicus</i>	<i>caurinus</i>							4		S
Western Small-footed Myotis	<i>Myotis ciliolabrum</i>		B	S2S3	G5			1			L
Western Small-footed Myotis	<i>Myotis ciliolabrum</i>	<i>melanorhinus</i>							1		L
Western Long-eared Myotis	<i>Myotis evotis</i>		Y	S4S5	G5			3			M
Western Long-eared Myotis	<i>Myotis evotis</i>	<i>chrysonotus</i>							4		M
Keen's Long-eared Myotis	<i>Myotis keenii</i>		R	S2	G2G3	Y	DD	6			S
Little Brown Myotis	<i>Myotis lucifugus</i>		Y	S4S5	G5			3			L
Little Brown Myotis	<i>Myotis lucifugus</i>	<i>alascensis</i>							3?		S
Little Brown Myotis	<i>Myotis lucifugus</i>	<i>carissima</i>							0?		L
Little Brown Myotis	<i>Myotis lucifugus</i>	<i>lucifugus</i>							0?		L
Northern Long-eared Myotis	<i>Myotis septentrionalis</i>		B	S2S3	G4			1			L
Fringed Myotis	<i>Myotis thysanodes</i>		B	S2S3	G4G5	Y	DD	0			M
Fringed Myotis	<i>Myotis thysanodes</i>	<i>thysanodes</i>							0		L
Long-legged Myotis	<i>Myotis volans</i>		Y	S4S5	G5			3			M
Long-legged Myotis	<i>Myotis volans</i>	<i>longricus</i>							4		S
Yuma Myotis	<i>Myotis yumanensis</i>		Y	S4S5	G5			3			M

Yuma Myotis	<i>Myotis yumanensis</i>	<i>saturatus</i>						3?	S
Yuma Myotis	<i>Myotis yumanensis</i>	<i>sociabilis</i>						3?	M
Lagomorpha									
Leporidae									
Snowshoe Hare	<i>Lepus americanus</i>		Y	S5	G5		2-3		L
Snowshoe Hare	<i>Lepus americanus</i>	<i>washingtonii</i>	R	S1	G5T3T5			1	S
Snowshoe Hare	<i>Lepus americanus</i>	<i>bairdii</i>						1	S
Snowshoe Hare	<i>Lepus americanus</i>	<i>cascadensis</i>						4	S
Snowshoe Hare	<i>Lepus americanus</i>	<i>columbiensis</i>						5	S
Snowshoe Hare	<i>Lepus americanus</i>	<i>dalli</i>						3	S
Snowshoe Hare	<i>Lepus americanus</i>	<i>pallidus</i>						7	S
Snowshoe Hare	<i>Lepus americanus</i>	<i>pineus</i>						1	S
White-tailed Jackrabbit	<i>Lepus townsendii</i>		R	SH	G5			0	L
White-tailed Jackrabbit	<i>Lepus townsendii</i>	<i>townsendii</i>						1	S
Nuttall's Cottontail	<i>Sylvilagus nuttallii</i>		B	S3	G5	SC		0	M
Nuttall's Cottontail	<i>Sylvilagus nuttallii</i>	<i>nuttallii</i>						1	S
Ochotonidae									
Collared Pika	<i>Ochotona collaris</i>		Y	S4?	G5			0	S
Common Pika	<i>Ochotona princeps</i>		Y	S5	G5			3	M
Common Pika	<i>Ochotona princeps</i>	<i>brooksi</i>						7	S
Common Pika	<i>Ochotona princeps</i>	<i>brunnescens</i>						3	S
Common Pika	<i>Ochotona princeps</i>	<i>cuppes</i>						5	S
Common Pika	<i>Ochotona princeps</i>	<i>fenisex</i>						5	S
Common Pika	<i>Ochotona princeps</i>	<i>littoralis</i>						7	S
Common Pika	<i>Ochotona princeps</i>	<i>princeps</i>						4	S
Common Pika	<i>Ochotona princeps</i>	<i>saturatus</i>						7	S
Common Pika	<i>Ochotona princeps</i>	<i>septentrionalis</i>	R	S2	G5T2			7	S
Rodentia									
Aplodontiidae									
Mountain Beaver	<i>Aplodontia rufa</i>		NS	S3S4	G5	SC		1	S
Mountain Beaver	<i>Aplodontia rufa</i>	<i>rainieri</i>	B	S3	G5T4	SC		4	S
Mountain Beaver	<i>Aplodontia rufa</i>	<i>rufa</i>	R	S1S2	G5T4?	SC		1	S
Castoridae									
Beaver	<i>Castor canadensis</i>		Y	S5	G5			2	L
Beaver	<i>Castor canadensis</i>	<i>belugae</i>						1	S
Beaver	<i>Castor canadensis</i>	<i>canadensis</i>						1	L
Beaver	<i>Castor canadensis</i>	<i>leucodontus</i>						3	S
Beaver	<i>Castor canadensis</i>	<i>sagittatus</i>						6	S
Dipodidae									
Meadow Jumping Mouse	<i>Zapus hudsonius</i>		Y	S5	G5			2	L
Meadow Jumping Mouse	<i>Zapus hudsonius</i>	<i>hudsonius</i>						3	S
Meadow Jumping Mouse	<i>Zapus hudsonius</i>	<i>tenellus</i>						7	S

Meadow Jumping Mouse	<i>Zapus hudsonius</i>	<i>alascensis</i>	B	S3	G5T4T5		1	S
Western Jumping Mouse	<i>Zapus princeps</i>		Y	S5	G5	3		M
Western Jumping Mouse	<i>Zapus princeps</i>	<i>idahoensis</i>					1	S
Western Jumping Mouse	<i>Zapus princeps</i>	<i>kootenayensis</i>					5	S
Western Jumping Mouse	<i>Zapus princeps</i>	<i>saltator</i>					5	S
Pacific Jumping Mouse	<i>Zapus trinotatus</i>		Y	S4S5	G5	1		S
Pacific Jumping Mouse	<i>Zapus trinotatus</i>	<i>trinotatus</i>					3?	S
Erethizontidae								
Porcupine	<i>Erethizon dorsatum</i>		Y	S5	G5	2		L
Porcupine	<i>Erethizon dorsatum</i>	<i>myops</i>					1	S
Porcupine	<i>Erethizon dorsatum</i>	<i>nigrescens</i>					5	S
Geomyidae								
Northern Pocket Gopher	<i>Thomomys talpoides</i>		Y	S5	G5	1		M
Northern Pocket Gopher	<i>Thomomys talpoides</i>	<i>segregatus</i>	R	S2	G5T2Q	7		S
Northern Pocket Gopher	<i>Thomomys talpoides</i>	<i>saturatus</i>					1	S
Northern Pocket Gopher	<i>Thomomys talpoides</i>	<i>medius</i>					6	S
Northern Pocket Gopher	<i>Thomomys talpoides</i>	<i>incensus</i>					7	S
Northern Pocket Gopher	<i>Thomomys talpoides</i>	<i>fuscus</i>					1	S
Northern Pocket Gopher	<i>Thomomys talpoides</i>	<i>cognatus</i>					7	S
Heteromyidae								
Great Basin Pocket Mouse	<i>Perognathus parvus</i>		B	S2S3	G5	1		M
Great Basin Pocket Mouse	<i>Perognathus parvus</i>	<i>laingi</i>					7	S
Great Basin Pocket Mouse	<i>Perognathus parvus</i>	<i>lordi</i>					1	S
Muridae								
Southern Red-backed Vole	<i>Clethrionomys gapperi</i>		Y	S5	G5	2		L
Southern Red-backed Vole	<i>Clethrionomys gapperi</i>	<i>athabasca</i>					3	S

Southern Red-backed Vole	<i>Clethrionomys gapperi cascadenis</i>						3		S
Southern Red-backed Vole	<i>Clethrionomys gapperi caurinus</i>						7		S
Southern Red-backed Vole	<i>Clethrionomys gapperi galei</i>	B	S3S4	G5TNRQ			0		S
Southern Red-backed Vole	<i>Clethrionomys gapperi occidentalis</i>	R	S1	G5T5			1		S
Southern Red-backed Vole	<i>Clethrionomys gapperi phaeus</i>						3		S
Southern Red-backed Vole	<i>Clethrionomys gapperi saturatus</i>						6		S
Southern Red-backed Vole	<i>Clethrionomys gapperi stikinensis</i>						5		S
Northern Red-backed Vole	<i>Clethrionomys rutilus</i>	Y	S5	G5		1			S
Northern Red-backed Vole	<i>Clethrionomys rutilus dawsoni</i>						1		S
Brown Lemming	<i>Lemmus trimucronatus</i>	Y	S5	G5		2			S
Brown Lemming	<i>Lemmus trimucronatus helvolus</i>						4		S
Long-tailed Vole	<i>Microtus longicaudus</i>	Y	S5	G5		3			M
Long-tailed Vole	<i>Microtus longicaudus littoralis</i>						1		S
Long-tailed Vole	<i>Microtus longicaudus longicaudus</i>						1		L
Long-tailed Vole	<i>Microtus longicaudus macrus</i>						5		S
Long-tailed Vole	<i>Microtus longicaudus vellerosus</i>						4		S
Montane Vole	<i>Microtus montanus</i>	Y	S5	G5		1			M
Montane Vole	<i>Microtus montanus canescens</i>						4		S
Tundra Vole	<i>Microtus oeconomus</i>	Y	S4S5	G5		1			S
Tundra Vole	<i>Microtus oeconomus yakutatensis</i>						3		S
Creeping Vole	<i>Microtus oregoni</i>	Y	S5	G5		1			S
Creeping Vole	<i>Microtus oregoni serpens</i>						6?		S
Meadow Vole	<i>Microtus pennsylvanicus</i>	Y	S5	G5		2			L
Meadow Vole	<i>Microtus pennsylvanicus drummondi</i>						2		S
Meadow Vole	<i>Microtus pennsylvanicus modestus</i>						1		S
Water Vole	<i>Microtus richardsoni</i>	Y	S4S5	G5		4			S
Water Vole	<i>Microtus richardsoni arvicoloides</i>						4	D2	S
Water Vole	<i>Microtus richardsoni richardsoni</i>						4	D2	S
Townsend's Vole	<i>Microtus townsendii</i>	Y	S4S5	G5		3			S
Townsend's Vole	<i>Microtus townsendii cowani</i>	R	S1	G5T1			7		S
Townsend's Vole	<i>Microtus townsendii cummingi</i>						7		S
Townsend's Vole	<i>Microtus townsendii laingi</i>						7		S

Townsend's Vole	<i>Microtus townsendii</i>	<i>tetramerus</i>					7	S
Townsend's Vole	<i>Microtus townsendii</i>	<i>townsendii</i>					1	S
Bushy-tailed Woodrat	<i>Neotoma cinerea</i>		Y	S5	G5		4	M
Bushy-tailed Woodrat	<i>Neotoma cinerea</i>	<i>cinera</i>					1	S
Bushy-tailed Woodrat	<i>Neotoma cinerea</i>	<i>drummondii</i>					5	S
Bushy-tailed Woodrat	<i>Neotoma cinerea</i>	<i>occidentalis</i>					5	S
Muskrat	<i>Ondatra zibethicus</i>		Y	S5	G5		2	L
Muskrat	<i>Ondatra zibethicus</i>	<i>osoyoosensis</i>					3	M
Muskrat	<i>Ondatra zibethicus</i>	<i>spatulata</i>					3	S
Keen's Mouse	<i>Peromyscus keeni</i>		Y	S5	G5		6	S
Keen's Mouse	<i>Peromyscus keeni</i>	<i>algidus</i>					3?	S
Keen's Mouse	<i>Peromyscus keeni</i>	<i>cancrivorous</i>					7	S
Keen's Mouse	<i>Peromyscus keeni</i>	<i>interdictus</i>					7	S
Keen's Mouse	<i>Peromyscus keeni</i>	<i>isolatus</i>					7	S
Keen's Mouse	<i>Peromyscus keeni</i>	<i>keeni</i>					7	S
Keen's Mouse	<i>Peromyscus keeni</i>	<i>macrorhinus</i>					5-6	S
Keen's Mouse	<i>Peromyscus keeni</i>	<i>maritimus</i>					7	S
Keen's Mouse	<i>Peromyscus keeni</i>	<i>oreas</i>					5	S
Keen's Mouse	<i>Peromyscus keeni</i>	<i>pluvialis</i>					7	S
Keen's Mouse	<i>Peromyscus keeni</i>	<i>prevostensis</i>					7	S
Keen's Mouse	<i>Peromyscus keeni</i>	<i>rubriventer</i>					7	S
Deer Mouse	<i>Peromyscus maniculatus</i>		Y	S5	G5		2	L
Deer Mouse	<i>Peromyscus maniculatus</i>	<i>alpinus</i>					7	S
Deer Mouse	<i>Peromyscus maniculatus</i>	<i>artemisiae</i>					4	S
Deer Mouse	<i>Peromyscus maniculatus</i>	<i>austerus</i>					5	S
Deer Mouse	<i>Peromyscus maniculatus</i>	<i>borealis</i>					3	S
Heather Vole	<i>Phenacomys intermedius</i>		Y	S5	G5		2-3	M
Heather Vole	<i>Phenacomys intermedius</i>	<i>intermedius</i>					4	S
Heather Vole	<i>Phenacomys intermedius</i>	<i>laingi</i>					7	S
Heather Vole	<i>Phenacomys intermedius</i>	<i>levis</i>					4	S
Heather Vole	<i>Phenacomys intermedius</i>	<i>mackenzii</i>					3	S
Heather Vole	<i>Phenacomys intermedius</i>	<i>oramontis</i>					4	S
Western Harvest Mouse	<i>Reithrodontomys megalotis</i>		B	S2S3	G5	SC	0	L

Western Harvest Mouse	<i>Reithrodontomys megalotis</i>	<i>megalotis</i>							1	S
Northern Bog Lemming	<i>Synaptomys borealis</i>		Y	S4	G4				3	M
Northern Bog Lemming	<i>Synaptomys borealis</i>	<i>artemisiae</i>	B	S2S3	G4T2T3				7	S
Northern Bog Lemming	<i>Synaptomys borealis</i>	<i>borealis</i>							1	S
Northern Bog Lemming	<i>Synaptomys borealis</i>	<i>chapmani</i>							4	S
Northern Bog Lemming	<i>Synaptomys borealis</i>	<i>dalli</i>							3	S
Northern Bog Lemming	<i>Synaptomys borealis</i>	<i>truei</i>							6	S
Sciuridae										
Northern Flying Squirrel	<i>Glaucomys sabrinus</i>		Y	S5	G5				3	L
Northern Flying Squirrel	<i>Glaucomys sabrinus</i>	<i>alpinus</i>							5	S
Northern Flying Squirrel	<i>Glaucomys sabrinus</i>	<i>columbiensis</i>							5	S
Northern Flying Squirrel	<i>Glaucomys sabrinus</i>	<i>fuliginosus</i>							3	S
Northern Flying Squirrel	<i>Glaucomys sabrinus</i>	<i>laticeps</i>							4	S
Northern Flying Squirrel	<i>Glaucomys sabrinus</i>	<i>oregonensis</i>							3	S
Northern Flying Squirrel	<i>Glaucomys sabrinus</i>	<i>reductus</i>							7	S
Northern Flying Squirrel	<i>Glaucomys sabrinus</i>	<i>zaphaeus</i>							5	S
Hoary Marmot	<i>Marmota caligata</i>		Y	S5	G5				4	S
Hoary Marmot	<i>Marmota caligata</i>	<i>caligata</i>							1	S
Hoary Marmot	<i>Marmota caligata</i>	<i>cascadensis</i>							4	S
Hoary Marmot	<i>Marmota caligata</i>	<i>oxytona</i>							5	S
Hoary Marmot	<i>Marmota caligata</i>	<i>okanagana</i>							6	S
Hoary Marmot	<i>Marmota caligata</i>	<i>raceyi</i>							7	S
Yellow-bellied Marmot	<i>Marmota flaviventris</i>		Y	S5	G5				1	M
Yellow-bellied Marmot	<i>Marmota flaviventris</i>	<i>avara</i>							3	S
Woodchuck	<i>Marmota monax</i>		Y	S5	G5				2	L
Woodchuck	<i>Marmota monax</i>	<i>canadensis</i>							1	L
Woodchuck	<i>Marmota monax</i>	<i>ochracea</i>							3	S
Woodchuck	<i>Marmota monax</i>	<i>petrensis</i>							6	S
Vancouver Island Marmot	<i>Marmota vancouverensis</i>		R	S1	G1	Y	E	E	7	S

Yellow-Pine Chipmunk	<i>Neotamias amoenus</i>		Y	S5	G5		4		S
Least Chipmunk	<i>Neotamias minimus</i>		Y	S5	G5		2		M
Least Chipmunk	<i>Neotamias minimus oreocetes</i>		B	S2S3	G5T3			3	S
Least Chipmunk	<i>Neotamias minimus selkirki</i>		R	S1	G5T1T3			7	S
Least Chipmunk	<i>Neotamias minimus borealis</i>							1	S
Least Chipmunk	<i>Neotamias minimus caniceps</i>							4	S
Red-tailed Chipmunk	<i>Neotamias ruficaudus</i>		NS	S3S4	G5		3		S
Red-tailed Chipmunk	<i>Neotamias ruficaudus ruficaudus</i>		R	S2	G5T5			1	S
Red-tailed Chipmunk	<i>Neotamias ruficaudus simulans</i>		B	S3S4	G5T4T5			3	S
Least Chipmunk	<i>Neotamias townsendii</i>		Y	S4S5	G5		1		S
Least Chipmunk	<i>Neotamias townsendii cooperi</i>							1	S
Least Chipmunk	<i>Neotamias townsendii townsendii</i>							1	S
Columbian Ground Squirrel	<i>Spermophilus columbianus</i>		Y	S5	G5		4		S
	<i>Spermophilus columbianus columbians</i>							4	S
Golden-mantled Ground Squirrel	<i>Spermophilus lateralis</i>		Y	S5	G5		1		M
	<i>Spermophilus lateralis tescorum</i>							3	S
Arctic Ground Squirrel	<i>Spermophilus parryii</i>		Y	S5	G5		1		S
	<i>Spermophilus parryii plesius</i>							3	S
Cascade Mantled Ground Squirrel	<i>Spermophilus saturatus</i>		Y	S4	G5	NAR	3		S
Douglas' Squirrel	<i>Tamiasciurus douglasii</i>		Y	S4S5	G5		3		S
	<i>Tamiasciurus douglasii mollipilosus</i>							4	S
Red Squirrel	<i>Tamiasciurus hudsonicus</i>		Y	S5	G5		2		L
	<i>Tamiasciurus hudsonicus columbiensis</i>							5	S
	<i>Tamiasciurus hudsonicus lanuginosus</i>							7	S
	<i>Tamiasciurus hudsonicus petularis</i>							3	S
	<i>Tamiasciurus hudsonicus picatus</i>							4	S
	<i>Tamiasciurus hudsonicus preblei</i>							1	S
	<i>Tamiasciurus hudsonicus richardsoni</i>							3	S
	<i>Tamiasciurus hudsonicus streatori</i>							4	S
	Carnivora								
	Canidae								

Coyote	<i>Canis latrans</i>		Y	S5	G5			2		L
Grey Wolf	<i>Canis lupus</i>		Y	S4	G4		NAR	2		
Red Fox	<i>Vulpes vulpes</i>		Y	S4S5	G5			2		L
	<i>Vulpes vulpes abietorum</i>								4	S
	<i>Vulpes vulpes cascadenensis</i>								4	S
	<i>Vulpes vulpes macroura</i>								1	S
Felidae										
Lynx	<i>Lynx canadensis</i>		Y	S4	G5		NAR	2		L
Bobcat	<i>Lynx rufus</i>		Y	S4	G5			2		L
	<i>Lynx rufus fasciatus</i>								1	S
	<i>Lynx rufus pallescens</i>								2	S
Cougar	<i>Puma concolor</i>		Y	S4	G5			2		L
Mephitidae										
Striped Skunk	<i>Mephitis mephitis</i>		Y	S5	G5			2		L
	<i>Mephitis mephitis hudsonica</i>								3	S
	<i>Mephitis mephitis spissigrada</i>								1	S
Western Spotted Skunk	<i>Spilogale gracilis</i>		Y	S4	G5			1		M
	<i>Spilogale gracilis latifrons</i>								3	S
Mustelidae										
Sea Otter	<i>Enhydra lutris</i>		R	S2	G4		T	T	2	
	<i>Enhydra lutris kenyoni</i>								3	
Wolverine	<i>Gulo gulo</i>		NS	S3	G4			2		L
Wolverine	<i>Gulo gulo luscus</i>		B	S3	G4T4	Y			2	S
Wolverine	<i>Gulo gulo vancouverensis</i>		R	SH	G4T1Q	Y			7	S
River Otter	<i>Lontra canadensis</i>		Y	S4S5	G5			2		L
	<i>Lontra canadensis mira</i>								6	S
	<i>Lontra canadensis pacifica</i>								2	S
	<i>Lontra canadensis periclyzomae</i>								7	S
Marten	<i>Martes americana</i>		Y	S4S5	G5			2		L
	<i>Martes americana abietinoides</i>								5	S
	<i>Martes americana arctuosa</i>								1	S
	<i>Martes americana caurina</i>								4	S
	<i>Martes americana nesophila</i>								7	S
Fisher	<i>Martes pennanti</i>		B	S2S3	G5	Y		2		L
	<i>Martes pennanti columbiana</i>								4	S
	<i>Martes pennanti pacifica</i>								4	S
Ermine	<i>Mustela erminea</i>		Y	S5	G5			2		L
Ermine	<i>Mustela erminea anguinae</i>		B	S3	G5T3				7	S
Ermine	<i>Mustela erminea haidarum</i>		R	S2	G5T2		T		7	S
	<i>Mustela erminea fallenda</i>								4	S
	<i>Mustela erminea invicta</i>								4	S
	<i>Mustela erminea richardsonii</i>								2	M
Long-tailed Weasel	<i>Mustela frenata</i>		Y	S5	G5			2		L
Long-tailed weasel	<i>Mustela frenata altifrontalis</i>		R	SX	G5TNR				1	S
	<i>Mustela frenata nevadensis</i>								1	S

Least Weasel	<i>Mustela frenata</i>	<i>oribasus</i>						4	S
	<i>Mustela nivalis</i>		Y	SU	G5			2	L
Mink	<i>Mustela nivalis</i>	<i>rixosa</i>	Y	S5	G5			2	S
	<i>Mustela vison</i>	<i>energumenos</i>						2	L
Badger	<i>Mustela vison</i>	<i>evagor</i>						7	S
	<i>Taxidea taxus</i>		R	S1	G5	Y	E	1	L
	<i>Taxidea taxus</i>	<i>jeffersonii</i>						1	S
	Otariidae								
Northern Fur Seal	<i>Callorhinus ursinus</i>		B	SNA	G3		T	1	S
Northern Sea Lion (Stellar Sea Lion)	<i>Eumetopias jubatus</i>		R	S2B,S3N	G3		SC	3	S
California Sea Lion	<i>Zalophus californianus</i>		Y	S4N	G5		NAR	2	S
	Phocidae								
Northern Elephant Seal	<i>Mirounga angustirostris</i>		Y	SNA	G5		NAR	2	S
Harbour Seal	<i>Phoca vitulina</i>		Y	S5	G5		NAR)	2	M
	<i>Phoca vitulina</i>	<i>richardsi</i>						5	S
	Procyonidae								
Raccoon	<i>Procyon lotor</i>		Y	S5	G5			1	L
	<i>Procyon lotor</i>	<i>pacificus</i>						3	?
	<i>Procyon lotor</i>	<i>vancouverensis</i>						7	S
	Ursidae								
Black Bear	<i>Ursus americanus</i>		Y	S5	G5		NAR	2	L
	<i>Ursus americanus</i>	<i>altifrontalis</i>						4	S
	<i>Ursus americanus</i>	<i>carlottae</i>						7	S
	<i>Ursus americanus</i>	<i>cinnamomum</i>						4	S
	<i>Ursus americanus</i>	<i>emmonsii</i>						3	S
	<i>Ursus americanus</i>	<i>kermodei</i>						7	S
	<i>Ursus americanus</i>	<i>vancouveri</i>						7	S
Grizzly Bear	<i>Ursus arctos</i>		B	S3	G4	Y+G201	SC	2	L
	<i>Ursus arctos</i>	<i>horribilis</i>						4	L
	Cetacea								
	Balaenidae								
North Pacific Right Whale	<i>Eubalaena japonica</i>		R				E	2	S
	Balaenopteridae								
	<i>Balaenoptera</i>								
Minke Whale	<i>acutorostrata</i>		Y	S3N	G5		NAR	2	M
Sei Whale	<i>Balaenoptera borealis</i>		B	SHN	G3		E	2	M
	<i>Balaenoptera borealis</i>	<i>borealis</i>						2	S
Blue Whale	<i>Balaenoptera musculus</i>		B	S1N	G3G4		E	2	M
	<i>Balaenoptera musculus</i>	<i>musculus</i>						2	M

Fin Whale	<i>Balaenoptera physalus</i>		B	S1N	G3G4	SC	2		M
	<i>Balaenoptera physalus physalus</i>							2	S
Humpback Whale	<i>Megaptera novaeangliae</i>		B	S1N	G3	T	2		M
	<i>Megaptera novaeangliae pop1</i>			S1N	GETNR			6	
Saddle-backed Dolphin (Short-beaked common dolphin)	<i>Delphinus delphis</i>		Acc	SNA	G5	NAR	0		S (and Atlantic usually)
Short-finned Pilot Whale	<i>Globicephala macrorhynchus</i>		Y	SNA	G5	NAR	2		M
Risso's Dolphin	<i>Grampus griseus</i>		Y	SNA	G5	NAR	1		L
Pacific White-sided Dolphin	<i>Lagenorhynchus obliquidens</i>		Y	SNA	G5	NAR	2		S (and Atlantic usually)
Northern Right-Whale Dolphin	<i>Lissodelphis borealis</i>		Y	SNA	G4	NAR		3+	S
Killer Whale	<i>Orcinus orca</i>		NS	S3	G4G5		2		M
Killer Whale	<i>Orcinus orca</i> pop. 1	Northeast Pacific resident population	R	S2	G4G5T3Q	E/T	5		S
Killer Whale	<i>Orcinus orca</i> pop. 2	Northeast Pacific offshore population	B	S3	G4G5TU Q	SC	4		S
Killer Whale	<i>Orcinus orca</i> pop. 3	West Coast transient population	R	S2	G4G5T3Q	T	4		S
False Killer Whale	<i>Pseudorca crassidens</i>		Acc	SNA	G4	NAR	0		S (and Atlantic usually)
Striped Dolphin	<i>Stenella coeruleoalba</i>		Y	SNA	G5	NAR	2		L
Gray Whale	<i>Eschrichtius robustus</i>		B	S2N	G4	SC	2		M
	<i>Eschrichtius robustus pop 3</i>							6	S
Pygmy Sperm Whale	<i>Kogia breviceps</i>		Acc	SNA	G4	NAR	1		L
Dwarf Sperm Whale	<i>Kogia simus</i>		Acc	SNA	G4	DD	1		L
Harbour Porpoise	<i>Phocoena phocoena</i>		B	S3	G4G5	SC	1		M
Dall's Porpoise	<i>Phocoenoides dalli</i>		Y	S4S5	G4G5	NAR	2		S
Sperm Whale	<i>Physeter macrocephalus</i>		B	S1N	G3G4	NAR	2		L

Ziphiidae										
Northern Pacific Bottle-nosed Whale	<i>Berardius bairdii</i>	Y	SNA	G4		NAR	2			S
Arch-beaked Whale	<i>Mesoplodon carlhubbsi</i>	B	SNA	G3Q		NAR	1			S
Bering Sea Beaked Whale	<i>Mesoplodon stejnegeri</i>	B	SNA	G3		NAR	2			S
Cuvier's Beaked Whale (Goose-beaked Whale)	<i>Ziphius cavirostris</i>	Y	SNA	G4		NAR	1			L
Artiodactyla										
Bovidae										
Bison	<i>Bos bison</i>	NS	S3	G4			1			L
Wood Bison	<i>Bos bison athabasca</i>	R	S1	G4T2Q		T		1		S
Plains Bison	<i>Bos bison bison</i>	B	S3	G4TU		T		1		S
Mountain Goat	<i>Oreamnos americanus</i>	Y	S4	G5			6			M
Bighorn Sheep	<i>Ovis canadensis</i>	B	S2S3	G4	Y		2			M
	<i>Ovis canadensis californiana</i>		SNR					4		S
	<i>Ovis canadensis canadensis</i>		SNR	G4T4				3		S
Thinhorn Sheep	<i>Ovis dalli</i>	Y	S4	G5			4			S
Dall's Sheep	<i>Ovis dalli dalli</i>	B	S2S3	G5T5				1		S
Stone's Sheep	<i>Ovis dalli stonei</i>		S4	G5T4				6		S
Cervidae										
Moose	<i>Alces alces</i>	Y	S5	G5			2			L
	<i>Alces alces andersoni</i>							2		S
	<i>Alces alces gigas</i>							1		S
	<i>Alces alces shirasi</i>							1		S
Elk	<i>Cervus canadensis</i>	Y	S4S5	G5			2			L
Roosevelt Elk	<i>Cervus canadensis roosevelti</i>	B	S2S3	G5T4				3		S
	<i>Cervus canadensis nelsoni</i>							3		S
Mule Deer	<i>Odocoileus hemionus</i>	Y	S4S5	G5			2			L
Mule Deer	<i>Odocoileus hemionus hemionus</i>	NS						3		M
Black-tailed Deer	<i>Odocoileus hemionus columbianus</i>	NS						3		S
Sitka Deer	<i>Odocoileus hemionus sitkensis</i>	NS						5		S
White-tailed Deer	<i>Odocoileus virginianus</i>	Y	S5	G5			2			L
	<i>Odocoileus virginianus dacotensis</i>							1		S
	<i>Odocoileus virginianus ochrourus</i>							3		S
Caribou	<i>Rangifer tarandus</i>	NS	S4	G5	Y		2			L
Dawson Caribou	<i>Rangifer tarandus dawsoni</i>	Ext	SX	G5TX		XX		7		

Caribou	<i>Rangifer tarandus</i> pop. 1	Southern population	R	S1	G5T2Q	Y	T	6	S
Caribou	<i>Rangifer tarandus</i> pop. 14	Boreal population Northern	B	S3	G5TNR	Y	T	1	S
Caribou	<i>Rangifer tarandus</i> pop. 15	mountain population	B	S3S4	G5T4Q	Y	T/SC	6	S
Exotics									
North American Opossum	<i>Didelphis virginiana</i>		Exotic	SNA	G5				
European Rabbit	<i>Oryctolagus cuniculus</i>		Exotic	SNA	G5				
Eastern Cottontail	<i>Sylvilagus floridanus</i>		Exotic	SNA	G5				
House Mouse	<i>Mus musculus</i>		Exotic	SNA	G5				
Norway Rat	<i>Rattus norvegicus</i>		Exotic	SNA	G5				
Black Rat	<i>Rattus rattus</i>		Exotic	SNA	G5				
Eastern Grey Squirrel	<i>Sciurus carolinensis</i>		Exotic	SNA	G5				
Eastern Fox Squirrel	<i>Sciurus niger</i>		Exotic	SNA	G5		NAR		
Feral Cat	<i>Felis catus</i>		Exotic	SNA	G5				
Fallow Deer	<i>Dama dama</i>		Exotic	SNA	G5				
Feral Horse	<i>Equus caballus</i>		Exotic	SNA	GNA				