

Review of Endemic Plants of the Wenatchee Mountains and Adjacent Areas

Prepared for
U.S. Fish and Wildlife Service
Region 1

Prepared by

Joseph Arnett

September 10, 2012



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of the
Wenatchee Mountains
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for

The U.S. Fish and Wildlife Service
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by
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Appendix A. Wenatchee Mountains endemic plant species, including taxa not currently recognized and that are concentrated in the Wenatchee Mountains but that may also occur in other areas

Appendix B. Species lists recorded by sites within the Wenatchee Mountains

Introduction

The Wenatchee Mountains is an area of great botanical diversity, including two species, *Hackelia venusta* (showy stickseed) and *Sidalcea oregana* var. *calva* (Wenatchee Mountains checker-mallow), that are listed as endangered under the Endangered Species Act. These two taxa have been recently reviewed and reported in detail in separate documents (Arnett 2011a, 2011b). The purpose of this project is to provide current information on the distribution and abundance of the complete list of Wenatchee Mountains endemic plant species, in order to inform evaluation of their conservation priority. At the beginning of this project I delineated an area that is traditionally referred to as the Wenatchee Mountains, characterized by four major geologic formations: the Mount Stuart Batholith (granitic), the Ingall's tectonic complex (ultramafic), the Chumstick formation (sedimentary), and areas of Miocene basalt flows in the Mission Peak area. As work progressed it became clear that the center of endemism identified with the Wenatchee Mountains extended to the northeast and east, and so information on endemic species in this broader area is included in this report.

The Wenatchee Mountains include the richest concentration of rare endemic species in Washington. Figure 1 shows the distribution of occurrences of 36 species on the Washington State rare plant list that are found entirely or nearly entirely within the state. While there are other less pronounced concentrations of endemics, the Wenatchee Mountains and adjacent areas immediately to the north and east stand out as the center of endemism, as well as the geographic center of the state.

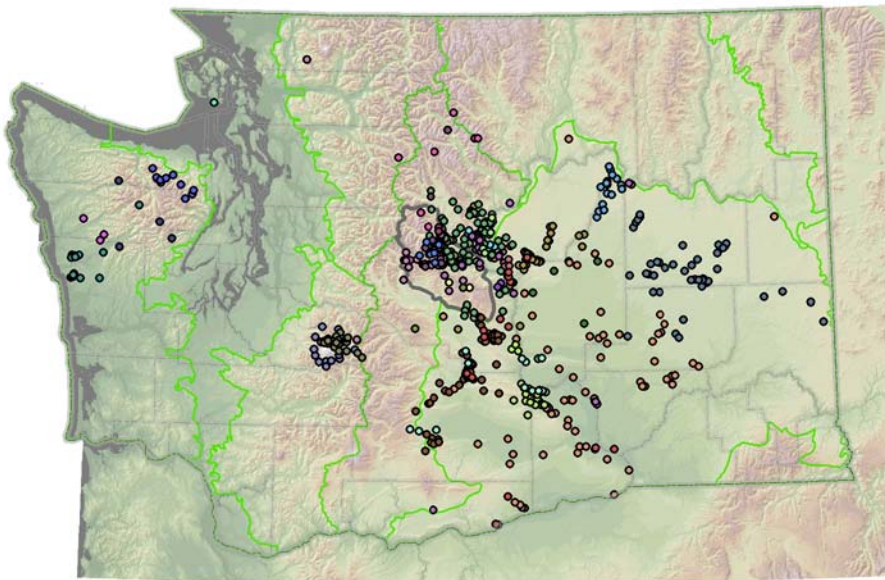


Figure 1. The distribution of 36 rare endemic species in Washington State. This map includes species found entirely or nearly entirely within Washington, and is limited to those species that are tracked as endangered, threatened, or sensitive in the state; different marker colors indicate different taxa.

This project has five main objectives: 1) to review current information on known populations of endemic species in the Wenatchee Mountains, including herbarium collections, 2) to conduct additional inventory as the opportunities arise, particularly by Rare Care volunteers during their monitoring assignments, 3) to make a preliminary evaluation of the condition and threats to Wenatchee Mountain endemic plants, 4) to make state status recommendations where appropriate, and 5) to identify species that may need additional research to clarify their status.

Methods

During the years of this project, Washington Natural Heritage Program staff continued field inventory and monitoring in the Wenatchee Mountains, monitoring both *Hackelia venusta* and *Sidalcea oregana* var. *calva* populations, and surveying additional areas for these taxa. Inventory fieldwork typically includes recording all plant species encountered, and additional notes were made of endemic species observed. The Rare Care program from the University of Washington conducted monitoring weekends in the Wenatchee Mountains in 2009 and 2010, and volunteers were asked to document Wenatchee Mountain endemics in the process of their monitoring assignments. Depending on their level of taxonomic skill, volunteers also prepared complete vascular plant species lists for many of the sites they visited. Occasional anecdotal information on endemic species was also offered by Forest Service staff, and these observations provided additional sites. WNHP files provided many site specific locations of endemic species that were formerly tracked by the program, and that are now included on the WNHP Watch List. Finally, records from the Pacific Northwest Consortium of Herbaria (2012) were consulted for endemic species records.

Table 1 presents a list of endemic plant species of the Wenatchee Mountains and adjacent areas. This list is limited to taxa that are currently recognized on the Washington Flora Checklist and that occur entirely or primarily within the Wenatchee Mountains, or in immediately adjacent areas. A larger, more broadly conceived list is found in Appendix A. The distributions of the species in Table 1 are presented in Figure 2.

Endemic Species Distribution Maps

The following maps summarize our current understanding of the distribution of endemic species in and adjacent to the Wenatchee Mountains. Red points are current (1975 or later) records; white points are pre-1975 records.

As I plotted these locations, it became evident that the ranges of these local endemics extended beyond the study area I had initially delineated. Several Wenatchee Mountains endemics also extend into adjacent areas, especially to the north on Chumstick Mountain, around Swakane Canyon and the Entiat Valley, to in some cases across the Columbia River. Because the purpose of this study was to review endemic species in this regional cluster of biodiversity, I have included several species that extend outside the Wenatchee Mountains. A few narrow endemics

that are included in this review are found in close proximity to the Wenatchee Mountains, but not within the boundary as delineated. Examples include *Astragalus sinuatus* and *Petrophytum cinerascens*, two narrow endemics whose global distributions are just at the eastern edge of the Wenatchee Mountains. I drew from all the sources of information available to me, but these maps should be regarded as partial, including only a portion of the occurrences present. The maps are likely much more complete for the federally listed taxa, which have received greater scrutiny.

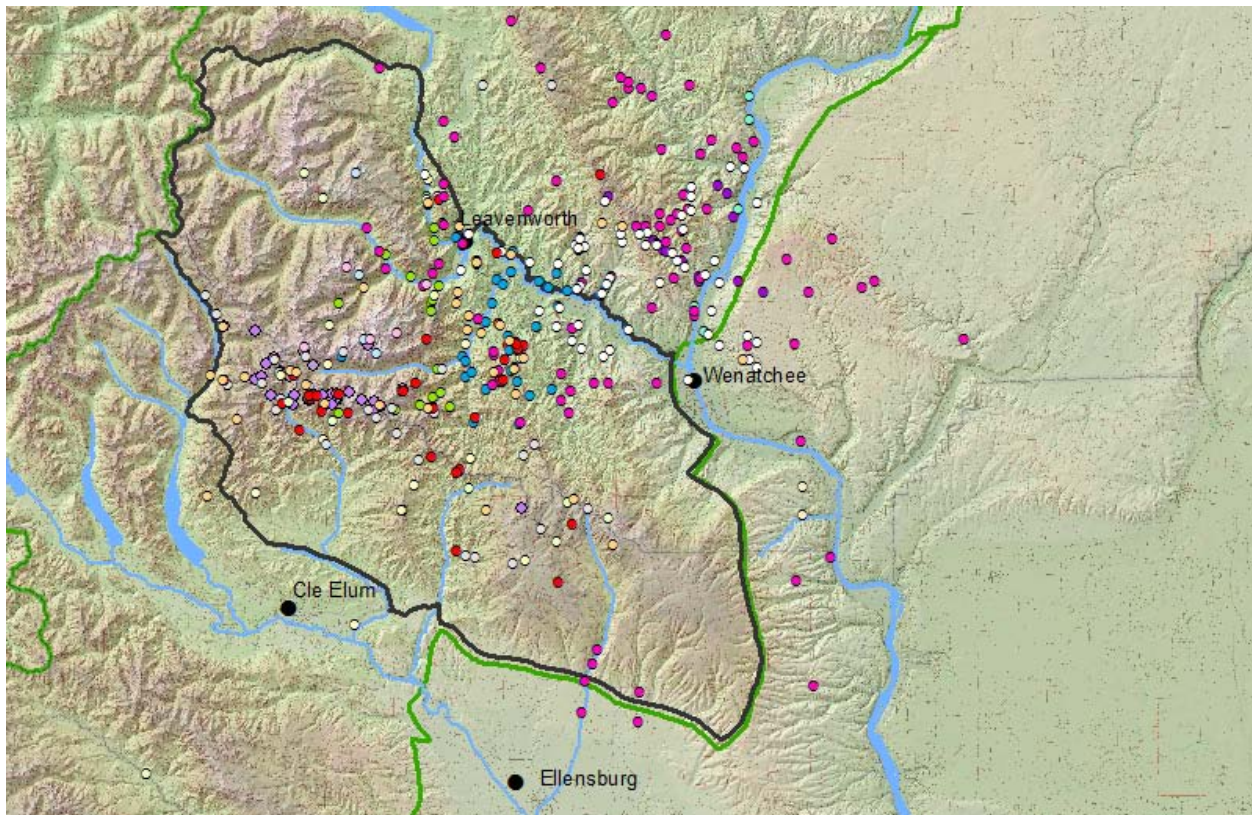


Figure 2. The Wenatchee Mountains study area. The original study area, outlined in black, was based on geological substrate and names on USGS topographic maps. Different colors of points indicate different taxa; individual taxon distributions are shown in Figures 3-22. As this map and Figure 1 show, this cluster of endemic plants extends beyond the Wenatchee Mountains in the strict sense.

Table 1. Endemic plant species of the Wenatchee Mountains and adjacent areas. “WTU” refers to the University of Washington herbarium at the Burke Museum.

Scientific Name	Common Name	Global Rank	State Rank	State Status	Federal Status	Notes
<i>Astragalus sinuatus</i> Piper	Whited's milk-vetch	G1	S1	E	SC	A narrow endemic found just to the east of the Wenatchee Mountains.
<i>Chaenactis thompsonii</i> Cronquist	Thompson's chaenactis	G2G3	S2S3	S	-	8 collections at WTU, all from the Wenatchee Mountains. Also reported from Crystal Mt. and the Twin Sisters. Generally limited to serpentine substrate.
<i>Cirsium edule</i> Nutt. var. <i>wenatchense</i> D.J. Keil	edible thistle	-	-	-	-	8 collections at WTU, all from Kittitas and Chelan counties. Variety is not in the regional flora.
<i>Cryptantha thompsonii</i>	Thompson's cryptantha	-	-	-	-	32 specimens at WTU, all from the Wenatchee Mts. Two collections in 2002 in Oregon.
<i>Delphinium viridescens</i> Leib.	Wenatchee larkspur	G2	S2	T	SC	13 specimens at WTU.
<i>Delphinium xantholeucum</i> Piper	yellow-white larkspur	G3	-	W	-	Collections from the Wenatchee Mts; Badger Mt. in Douglas County and the Entiat River area.
<i>Eriogonum umbellatum</i> Torr. var. <i>hypoleium</i> (Piper) C.L. Hitchc.	sulfur flower buckwheat	G5T2T4	-	-	-	Most collections are from the Wenatchee Mountains, but there is one 1947 collection from west of Twisp
<i>Geum rossii</i> (R.Br.) Ser. var. <i>depressum</i> (Greene) C.L. Hitchc.	Ross' avens	G5T1	S1	E	-	7 specimens at WTU, all from the 1930s, except one in 1947.
<i>Hackelia</i> species novum	Taylor's stickseed	-	-	T	-	Formerly regarded as part of <i>H. venusta</i> ; taxon is not described.
<i>Hackelia venusta</i> (Piper) St. John	showy stickseed	G1	S1	E	E	See Arnett 2011a
<i>Iliamna longisepala</i> (Torr.) Wiggins	longsepal globemallow	G3	S3	S	-	Extends north to Entiat Mts. and south to Yakima Training Center.
<i>Lathyrus nevadensis</i> S. Wats. var. <i>puniceus</i> C.L. Hitchc.	Sierra pea	G5T3?	-	-	-	No WTU specimens, though described by Hitchcock.
<i>Lomatium cuspidatum</i> Mathias & Constance (= <i>Leptotaenia watsonii</i>)	Wenatchee Mountains desert-parsley	G2G3	-	W	-	34 specimens at WTU. Generally limited to serpentine substrate.
<i>Lomatium thompsonii</i> (Mathias) Cronq. (= <i>L. suksdorfii</i> (S. Wats.) Coult. & Rose var. <i>thompsonii</i> Mathias)	Thompson desert-parsley	G3	-	-	-	12 specimens at WTU
<i>Petrophytum cinerascens</i> (Piper) Rydb.	Chelan rockmat	G1	S1	E	SC	Only along the Columbia River just east of the Wenatchee Mountains.
<i>Poa curtifolia</i> Scribn.	little mountain bluegrass	G3	-	W	-	22 specimens at WTU. Generally limited to serpentine substrate.
<i>Rudbeckia alpicola</i> Piper (= <i>R. occidentalis</i> Nutt. var. <i>alpicola</i> (Piper) Cronq.)	Wenatchee Mountains coneflower	G3T3T2	-	-	-	12 specimens at WTU
<i>Sidalcea oregana</i> (Nutt. Ex Torr. & Gray) Gray var. <i>calva</i> C.L. Hitchc.	Wenatchee Mountain checker-mallow	G5T1	S1	E	E	See Arnett 2011b
<i>Silene seelyi</i> Morton & J.W. Thompson (= <i>Anotites seelyi</i> (C.V. Morton & J.W. Thompson) W.A. Weber)	Seely's catchfly	G2G3	S2S3	S	SC	12 specimens at WTU. One collection from near Lake Chelan
<i>Trifolium thompsonii</i> Morton	Thompson's clover	G2	S2	T	SC	11 specimens at WTU. North to Swakane Canyon

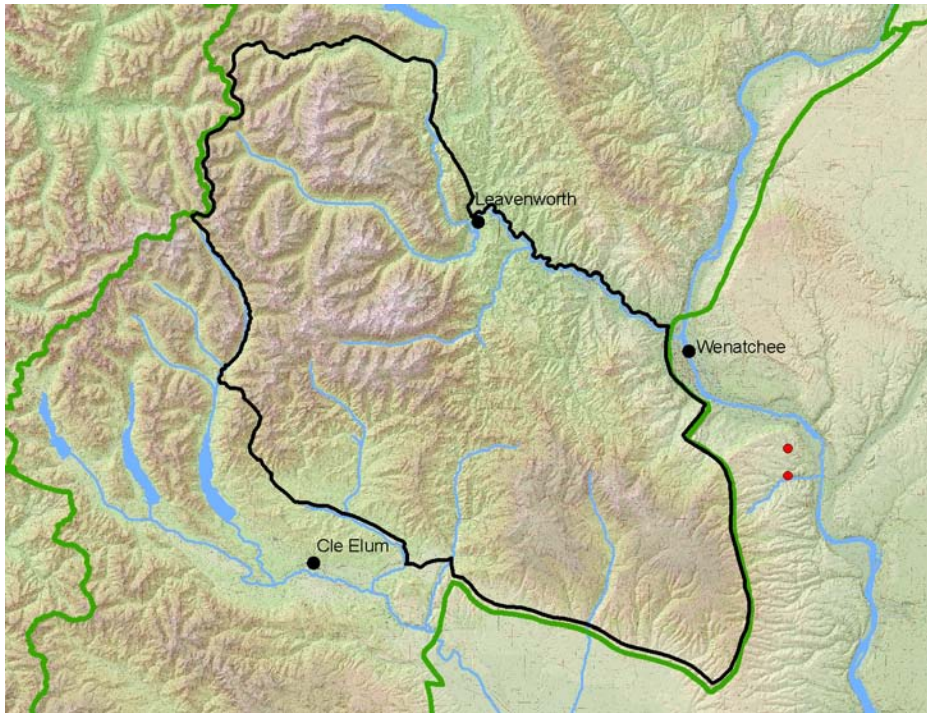


Figure 3. Global distribution of *Astragalus sinuatus*. The red points indicate the location of clusters within the single population of the species.

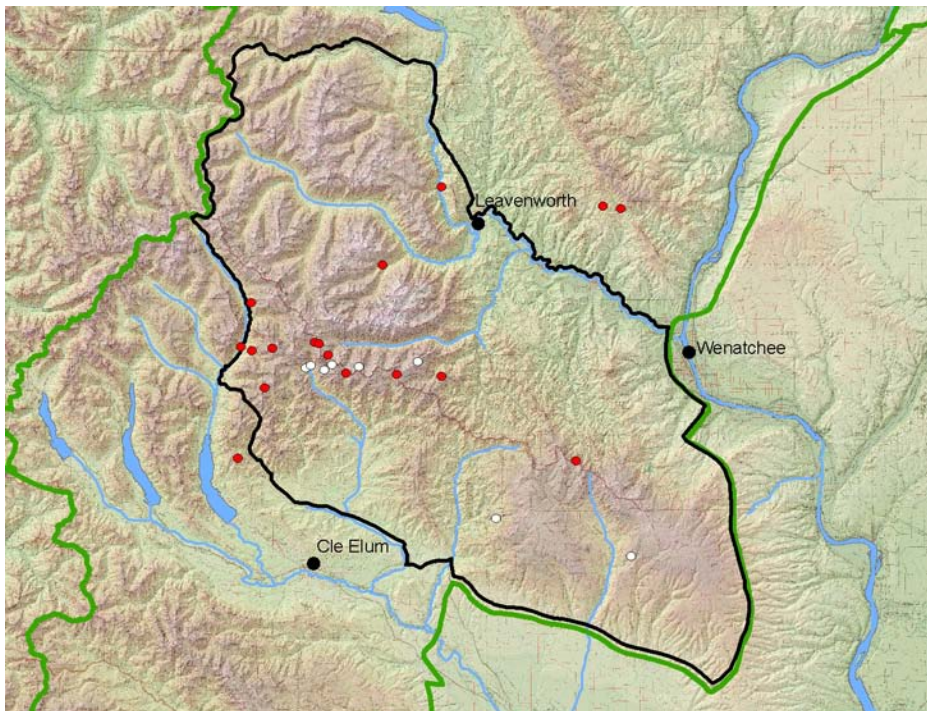


Figure 4. Distribution of *Chaenactis thompsonii* in the Wenatchee Mountains. One occurrence is also reported from the Twin Sisters range near Mount Baker, and one is reported from Crystal Mountain near Mount Rainier.

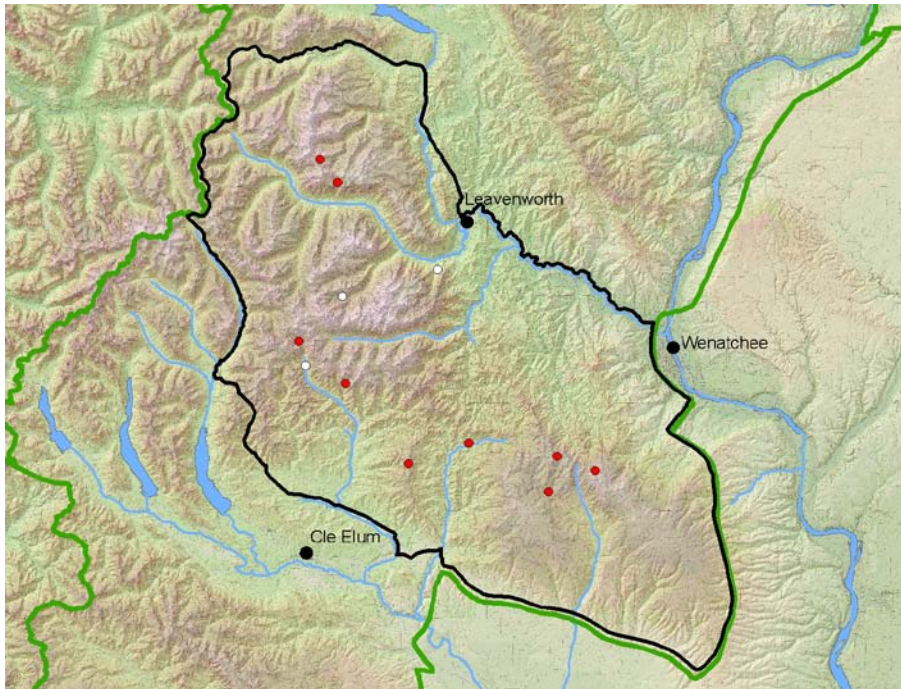


Figure 5. Distribution of *Cirsium edule* var. *wenatchense* in the Wenatchee Mountains. An occurrence of this taxon is also reported from south of this map area, near Longview Meadow on the Little Naches River.

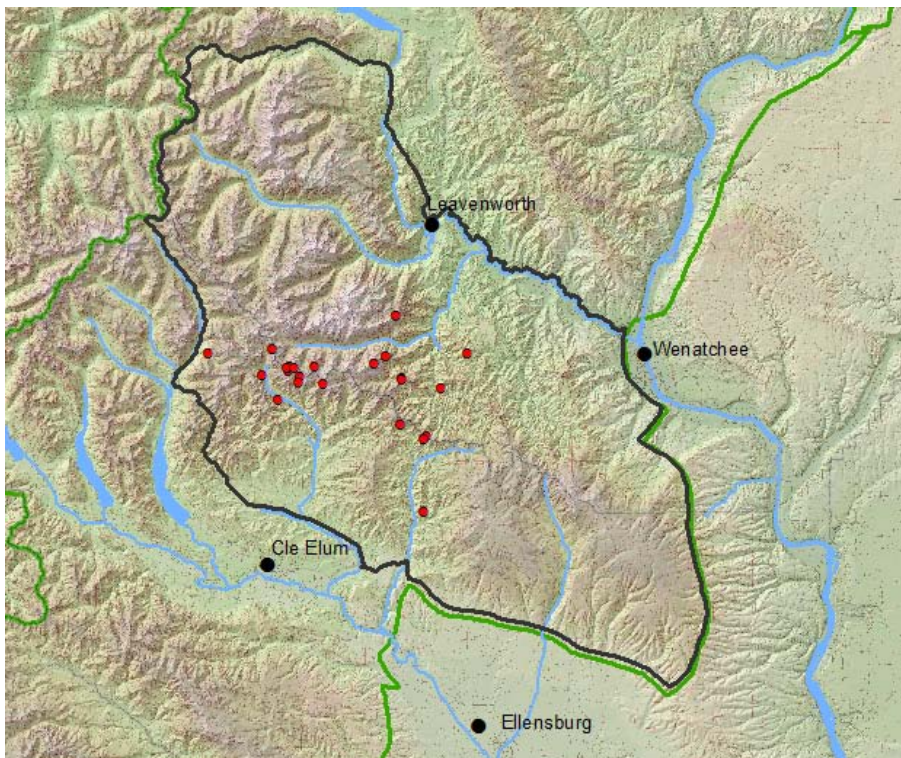


Figure 6. Global distribution of *Cryptantha thompsonii*.

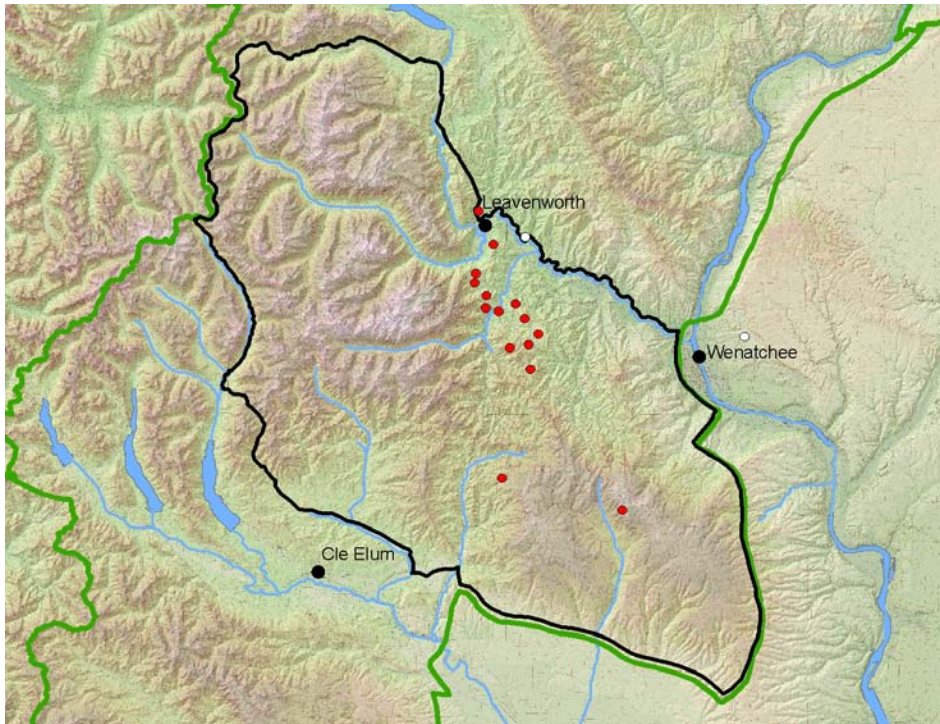


Figure 7. Global distribution of *Delphinium viridescens*.

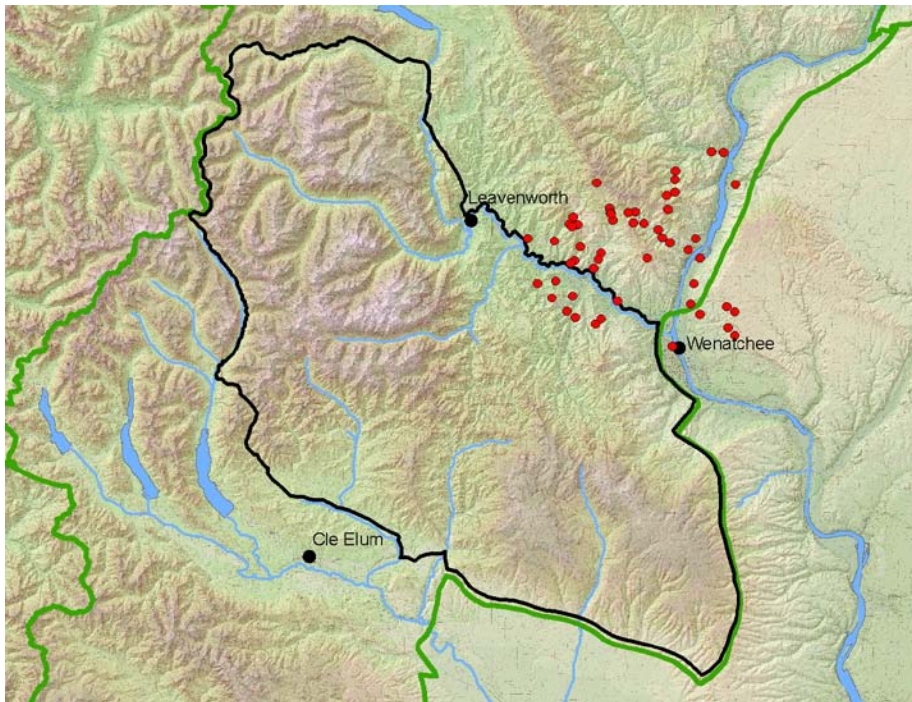


Figure 8. Global distribution of *Delphinium xantholeucum*. The records shown here are all since 1975. There are also numerous historical collections from the same locations. Previously identified specimens from elsewhere in Washington have been determined to have been misidentifications.

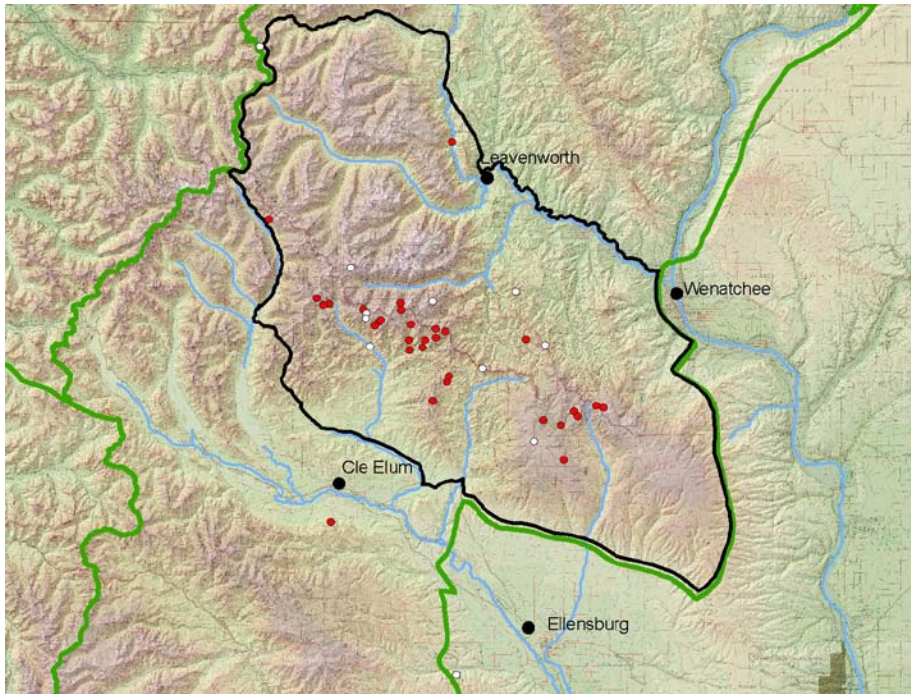


Figure 9. Distribution of *Eriogonum umbellatum* var. *hypoleium* in the Wenatchee Mountains. There is also a 1942 collection from the Slate Lake trail 17 miles west of Twisp.

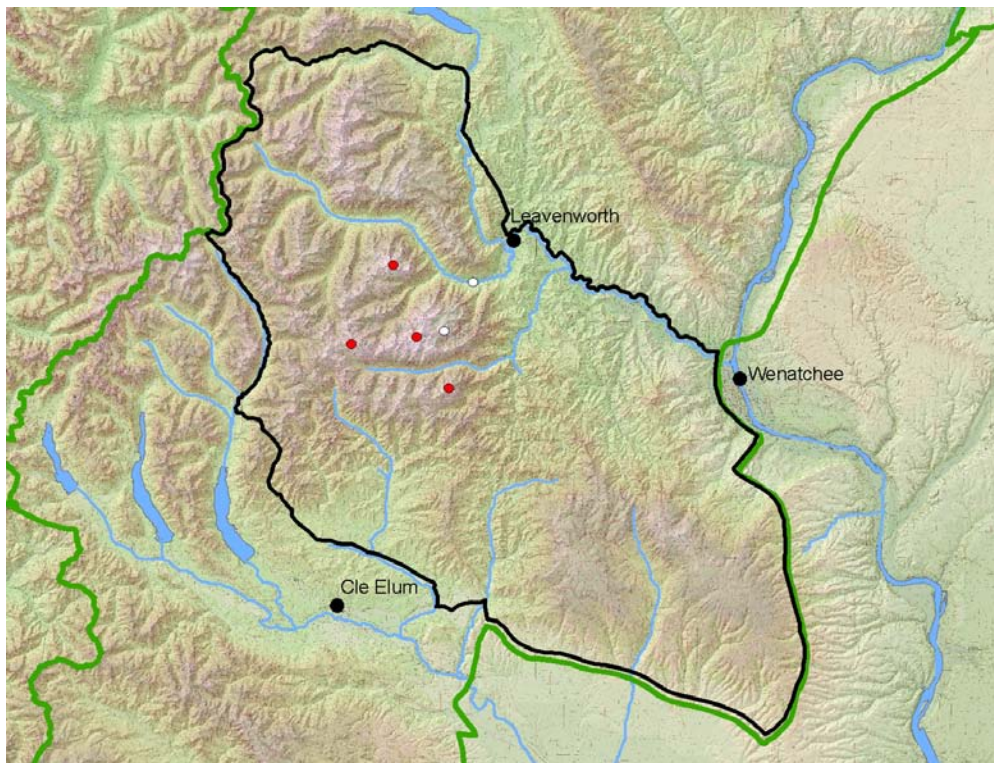


Figure 10. Global distribution of *Geum rossii* var. *depressum*.

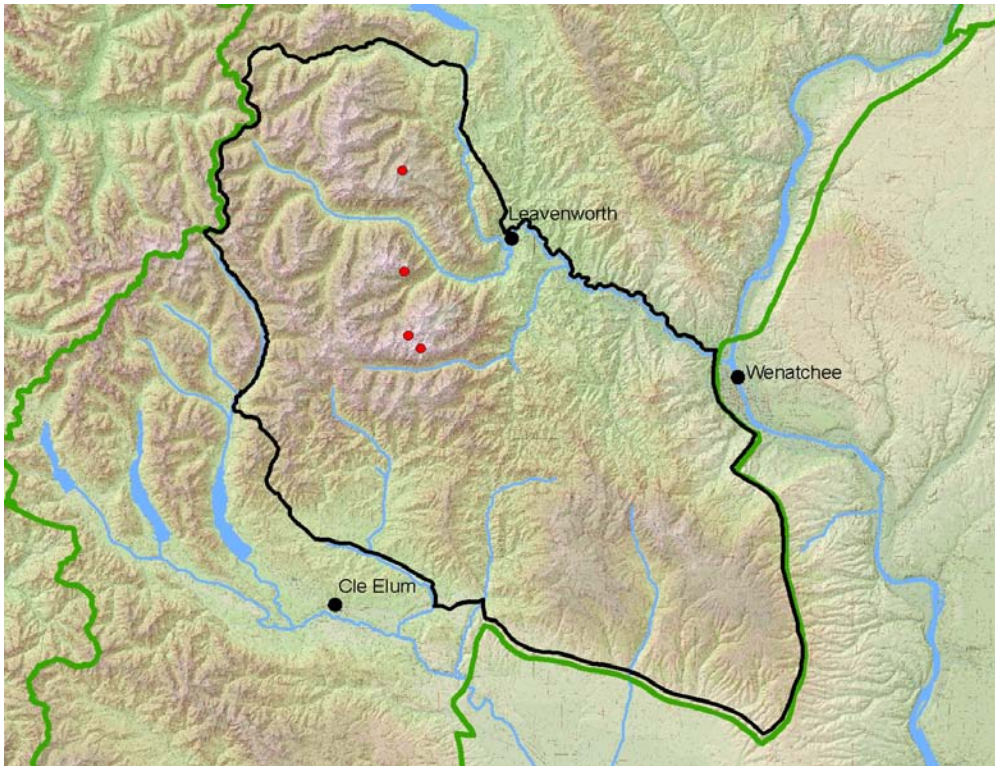


Figure 11. Global distribution of *Hackelia species novum* (Taylor's stickseed).

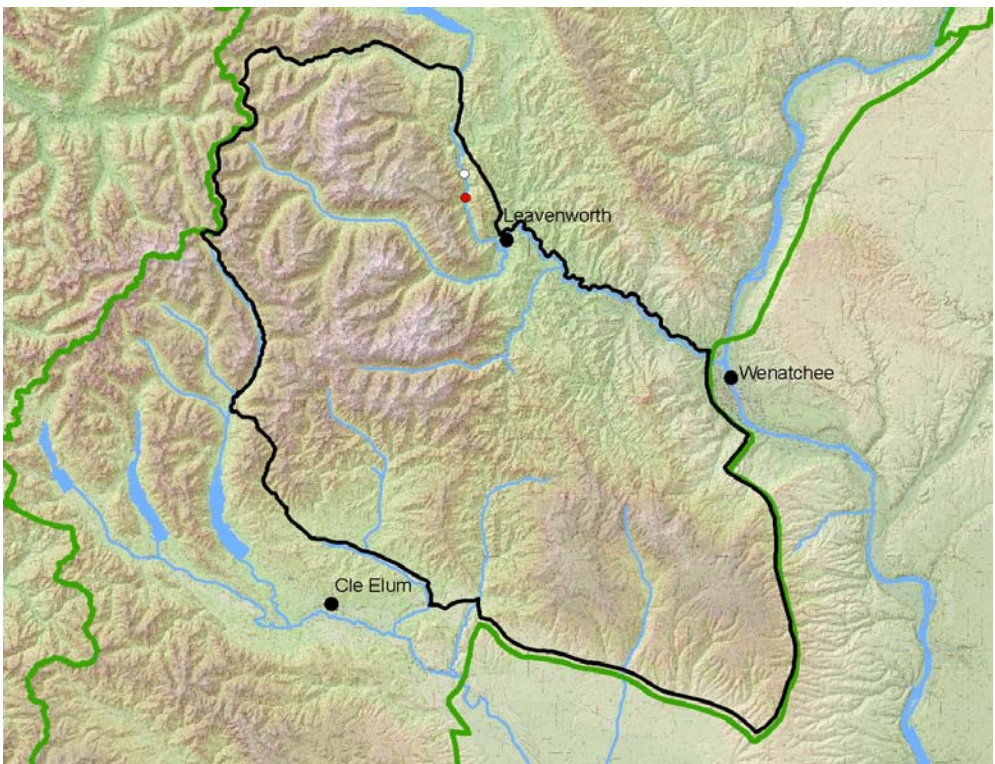


Figure 12. Global distribution of *Hackelia venusta*.

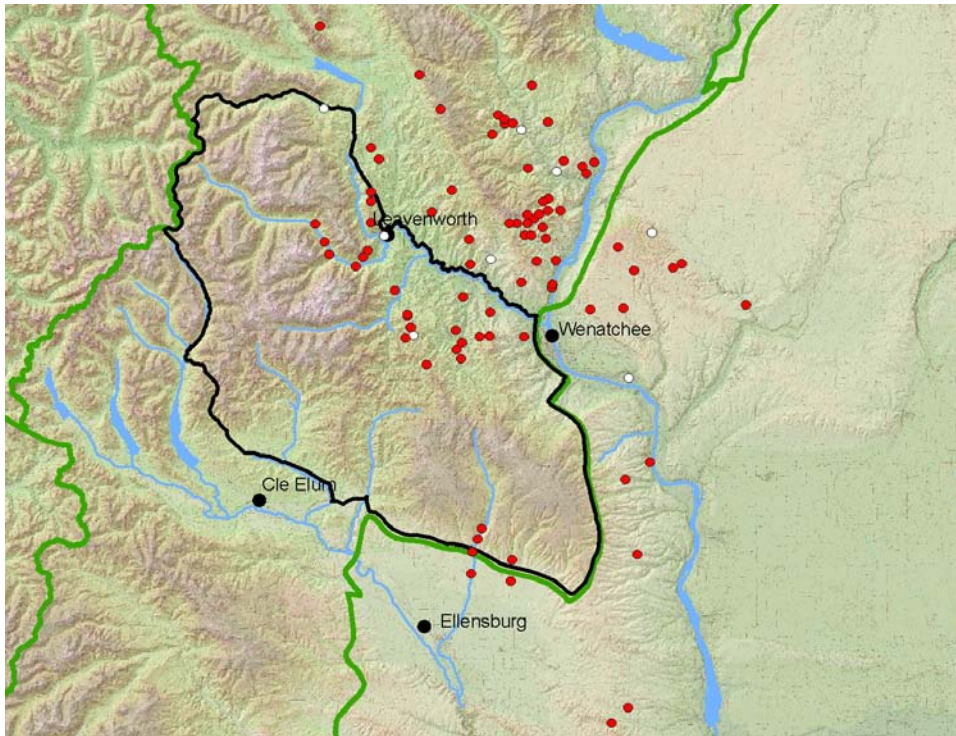


Figure 13. Distribution of *Illiamna longisejala* in and adjacent to the Wenatchee Mountains. There is also a recent report from the Yakima Training Center, south of this map.

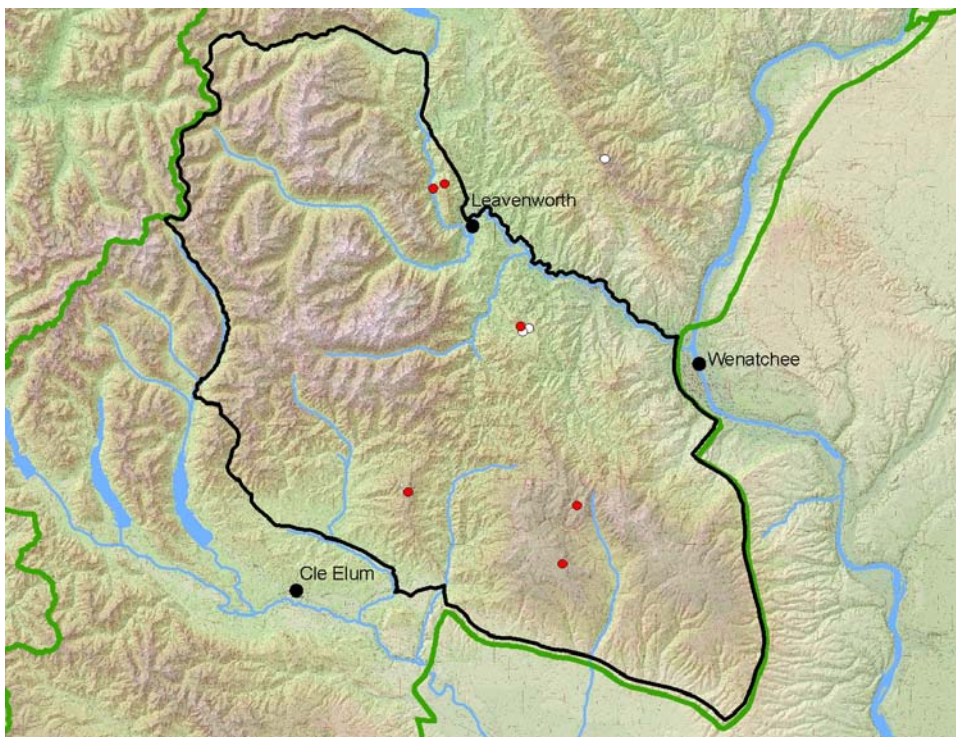


Figure 14. Global distribution of *Lathyrus nevadensis* var. *puniceus*.

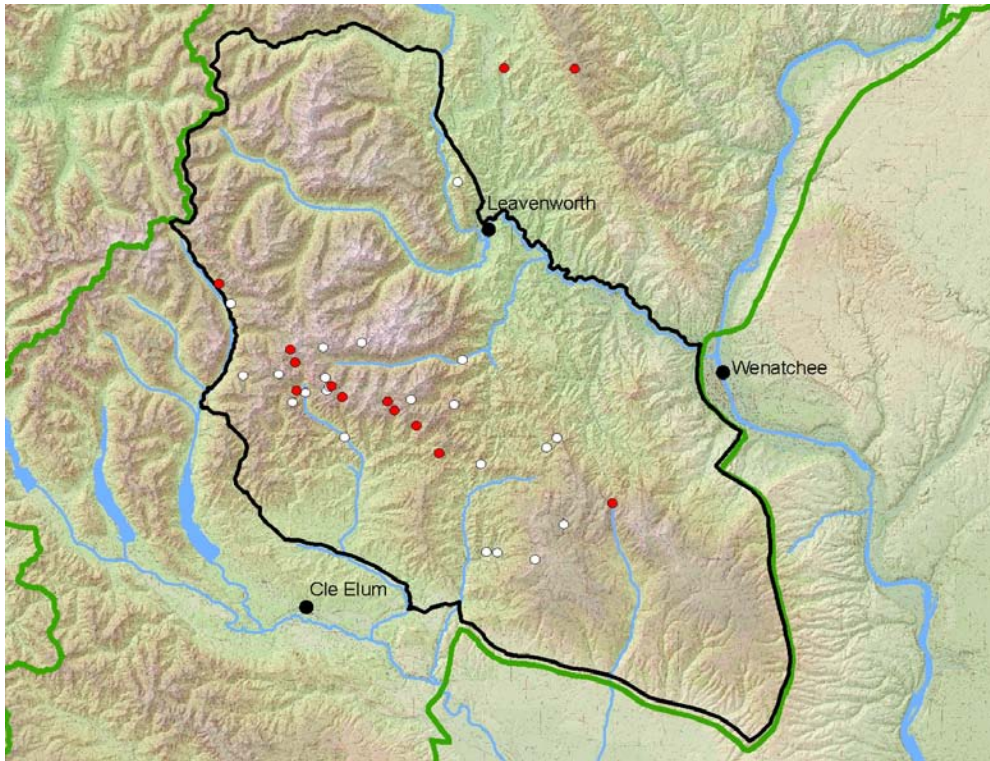


Figure 15. Global distribution of *Lomatium cuspidatum*.

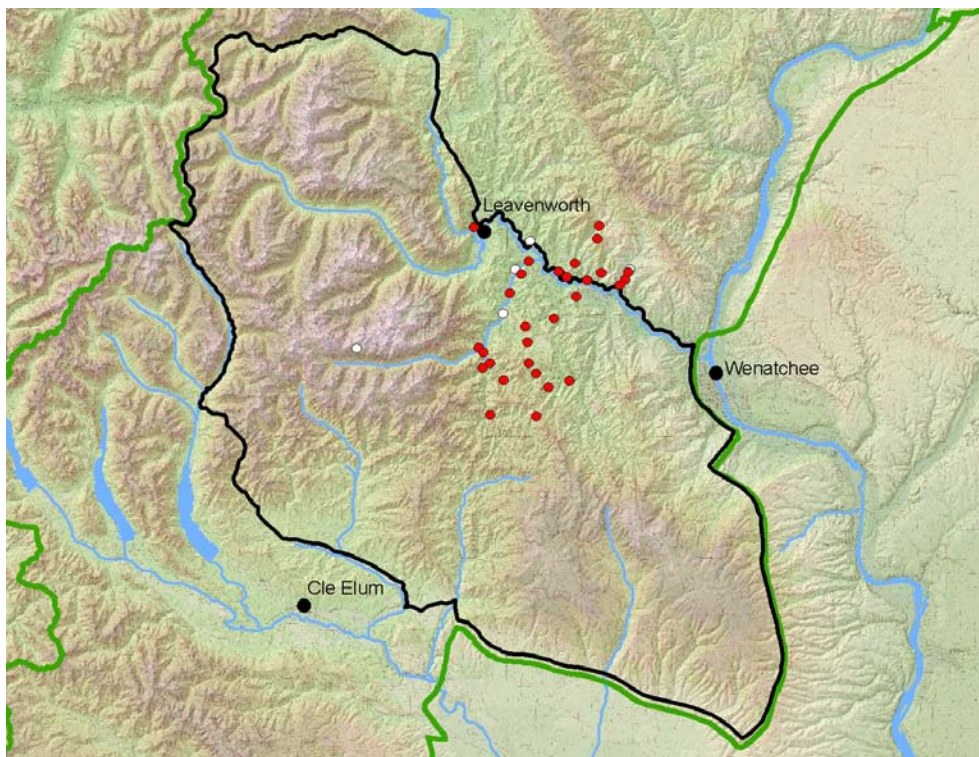


Figure 16. Global distribution of *Lomatium thompsonii*.

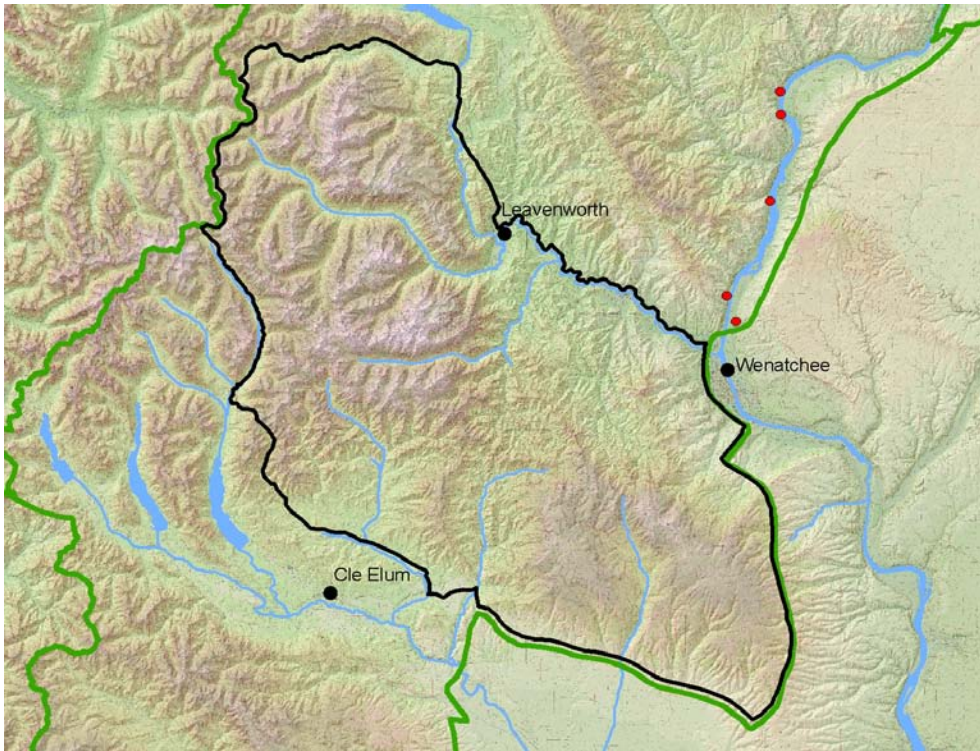


Figure 17. Global distribution of *Petrophytum cinerascens*.

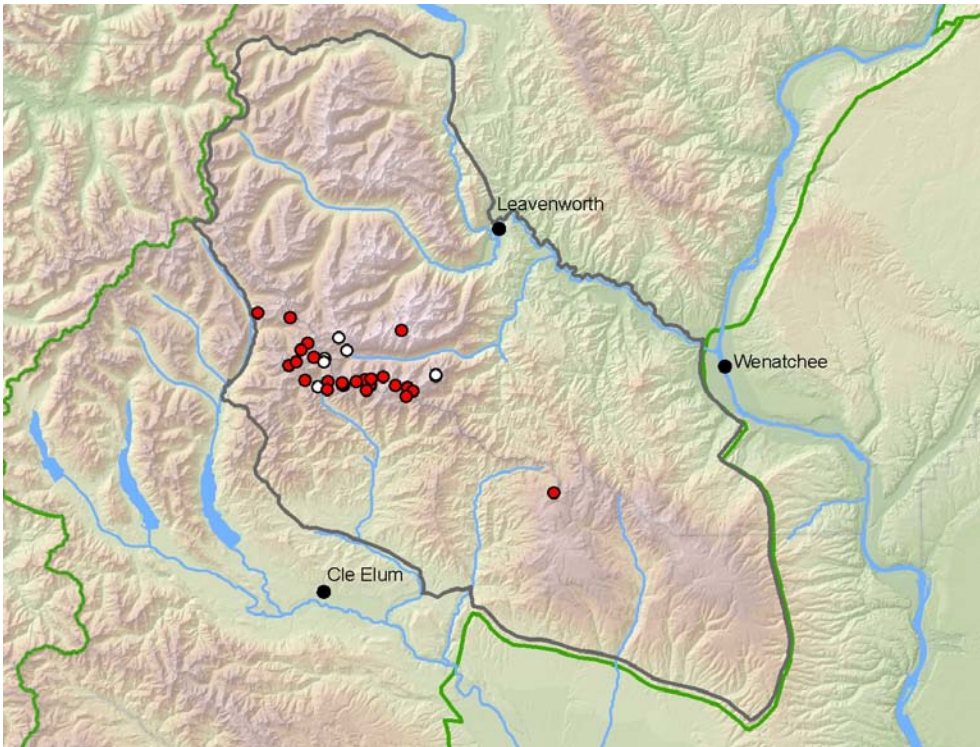


Figure 18. Global distribution of *Poa curtifolia*.

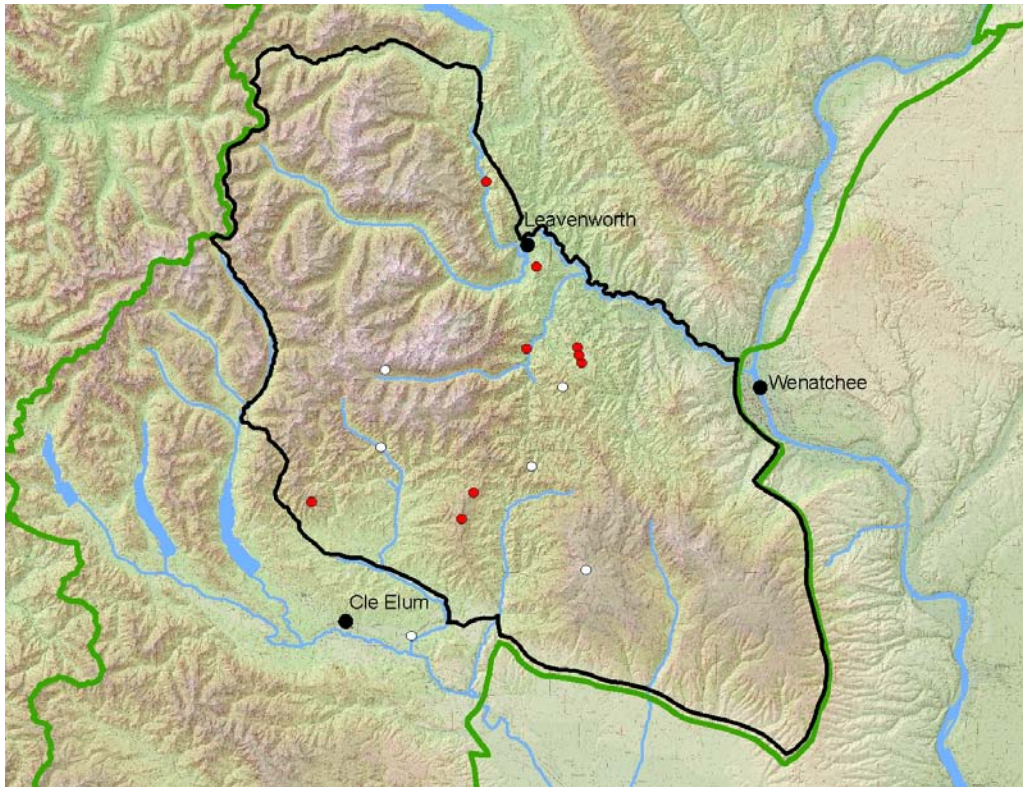


Figure 19. Global distribution of *Rudbeckia alpicola*.

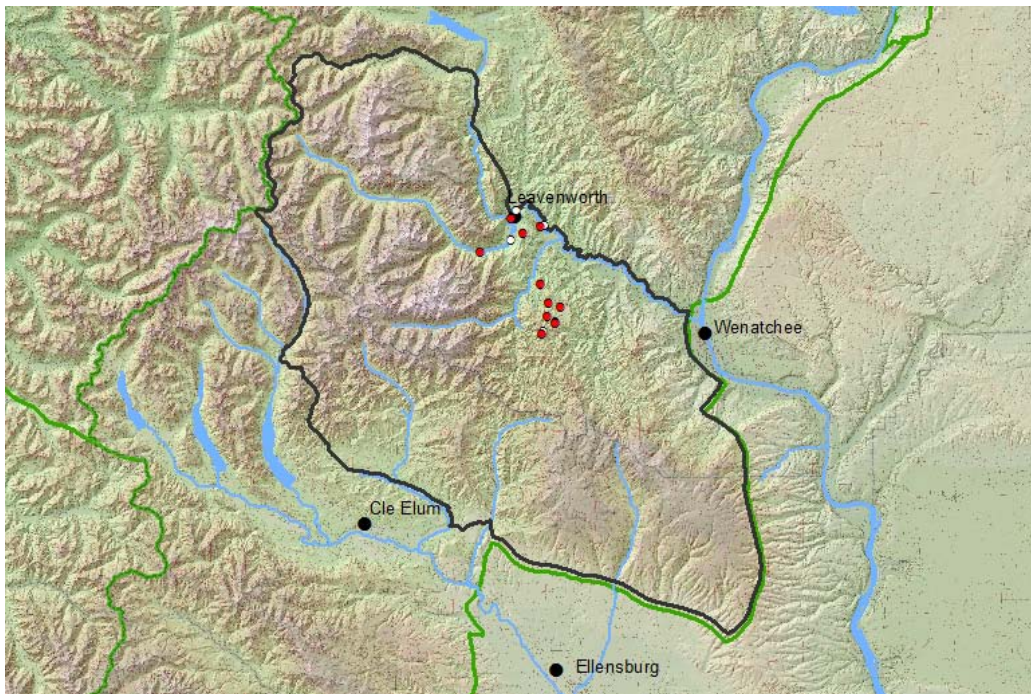


Figure 20. Global distribution of *Sidalcea oregana* var. *calva*.

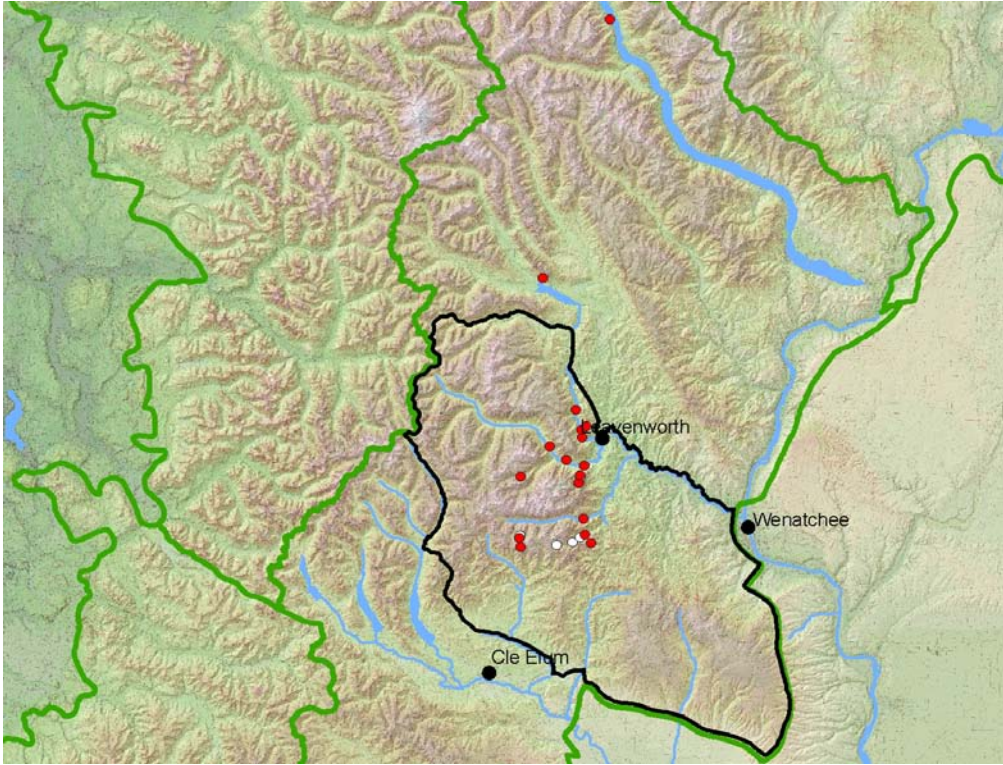


Figure 21. Global distribution of *Silene seelyi*.

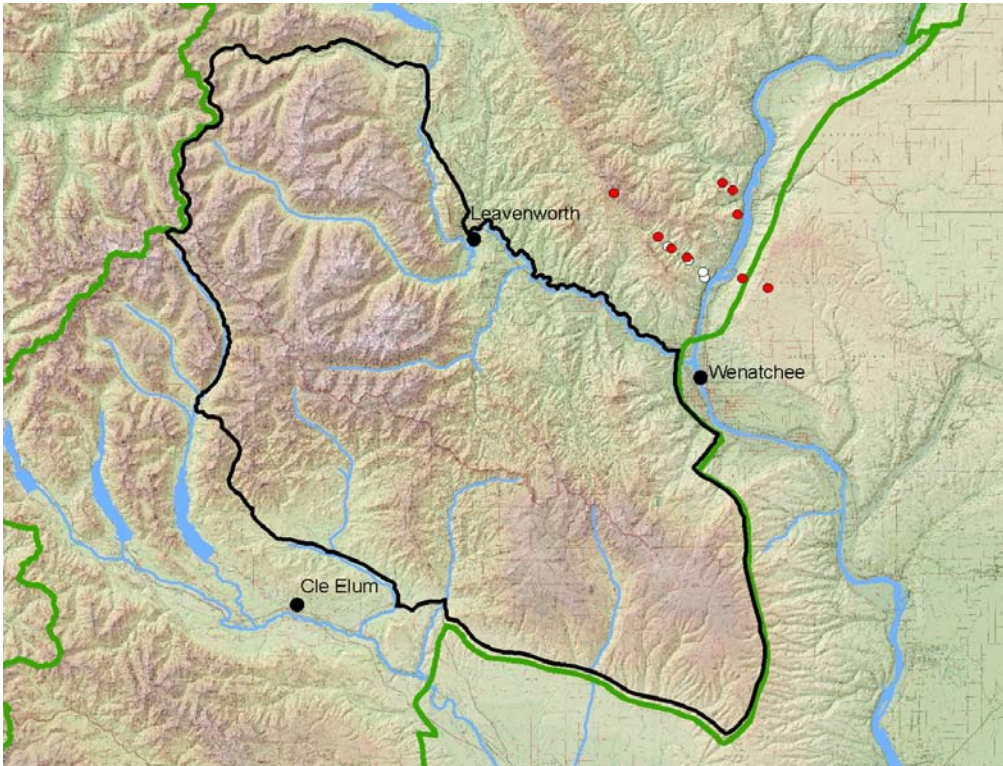


Figure 22. Global distribution of *Trifolium thompsonii*.

Discussion and Conservation Recommendations

Comments and recommendations for the nineteen endemic species examined for this project are included below in Table 2.

Table 2. Conservation recommendations for endemic plants in and adjacent to the Wenatchee Mountains. Notes on past status on the Washington State rare plant list are from Washington Natural Heritage Program (WNHP) 1980 and 1982.

Species	Discussion and Recommendations
<i>Astragalus sinuatus</i>	This endemic has an extremely narrow range and is currently vulnerable to development. The WNHP is currently preparing a Species of Concern review of this species for the U.S. Fish and Wildlife Service. The current state status of endangered is appropriate, and it may warrant consideration for listing under the Endangered Species Act.
<i>Chaenactis thompsonii</i>	An occurrence is also reported from 1984 from the Twin Sisters range near Mount Baker. Three attempts to relocate it have failed, and it may have been a misidentification. There is also a 1974 report, with no details, of this species from Crystal Mountain near Mount Rainier. While this species is very narrowly distributed, with the possible exceptions noted, it is abundant in the appropriate habitats and appears to be minimally at risk. The state status of sensitive will be reviewed, with the possibility of moving it to the Watch List.
<i>Cirsium edule</i> Nutt. var. <i>wenatchense</i>	We should continue to record locations of this variety. Because it is not included in the regional flora, I suspect that it is often overlooked, identified only to species.
<i>Cryptantha thompsonii</i>	Narrowly distributed but fairly abundant within its range, this species does not appear to be immediately at risk. The historical records include areas where it has not recently been reported, and these areas warrant a current review. We should examine the two specimens from Oregon in 2002.
<i>Delphinium viridescens</i>	This species is also currently under WNHP Species of Concern review for the U.S. Fish and Wildlife Service. Its current state status of Threatened will be reviewed for the 2013 Washington rare plant list.
<i>Delphinium xantholeucum</i>	This species received extensive review in the late 1970s and early 1980s, and many populations were reported. In 1980 it was on the state list as threatened, but in 1982 it was moved to the Watch List. It is not common, but numerous occurrences are known, and population size appears to increase dramatically after fire. The species is likely secure at the present time.
<i>Eriogonum umbellatum</i> var. <i>hypoleium</i>	This taxon appears fairly abundant within the known range. It does not appear to be at risk, but continuing to record locations will help clarify its distribution.
<i>Geum rossii</i> . var. <i>depressum</i>	This taxon appears to be quite rare, but protected by its remote habitat. Most known plants are within single large occurrence in the Enchantments, with another robust population nearby on Cashmere. Because of its alpine habitat, it may be particularly vulnerable to climatic warming. Precise monitoring is recommended to document changes in abundance. Its narrow distribution warrants state endangered status.
<i>Hackelia</i> species novum	Completing a formal description of this taxon is a high priority, especially because of its relation to federally endangered <i>Hackelia venusta</i> . Its remote habitat appears to protect it from most threats, but it is also likely vulnerable to climatic change.

<i>Hackelia venusta</i>	The extremely limited abundance and distribution of this species warrant its state and federal status of endangered; currently projects are underway to establish additional populations.
<i>Iliamna longisepala</i>	An increasing number of populations of this species is known, and it appears in large numbers after fire. It will be considered for removal from the rare plant list in the 2013 revision.
<i>Lathyrus nevadensis</i> var. <i>puniceus</i>	Our knowledge of the distribution and abundance of this taxon is extremely limited; we have a small number of observations and no specimens at the University of Washington. It will be considered for addition to the state rare plant list, likely as a review species, in 2013.
<i>Lomatium cuspidatum</i>	Narrowly distributed but fairly abundant within its range, this species does not appear to be at risk. It was included as sensitive on the state rare plant list in 1980, but moved to the Watch List in 1982. We have noted that the historical records include areas where it has not recently been reported, and these areas warrant a current review.
<i>Lomatium thompsonii</i>	Narrowly distributed but fairly abundant within its range, this species does not appear to be at risk. It was included as threatened on the state rare plant list in 1980, but moved to the Watch List in 1982.
<i>Petrophytum cinerascens</i>	This species, currently on the state list as endangered, is extremely limited in distribution and abundance, and may warrant consideration for listing under the Endangered Species Act. Currently only five populations are known, three with at good or excellent viability, and two with fair viability.
<i>Poa curtifolia</i>	Narrowly distributed but fairly abundant within its range, this species does not appear to be at risk. It was included as sensitive on the state rare plant list in 1980, but moved to the Watch List in 1982.
<i>Rudbeckia alpicola</i>	For a large, fairly showy species, there are relatively few known occurrences of this species: six reports of observations during Rare Care or WNHP surveys, and only four relatively recent collections in regional herbaria since the 1930s. This species will be included in the review for the 2013 rare plant list.
<i>Sidalcea oregana</i> var. <i>calva</i>	The narrow distribution of this taxon warrant its state and federal status of endangered. Plans are being made for a systematic census of the species in 2012.
<i>Silene seelyi</i>	This species is narrowly distributed but protected by its cliffy habitat, except from climbing pressures. Its current state status of sensitive appears consistent with its abundance and risk.
<i>Trifolium thompsonii</i>	This narrow endemic is not extremely rare within its narrow range, but its limited distribution warrants its state status of threatened

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Appendix A: Wenatchee Mountain Endemic Plants

Compiled by Joe Arnett, Washington Natural Heritage Program, April 2012							
Endemic was interpreted broadly for this list, which includes taxa concentrated in the Wenatchee Mountains, but that are also distributed elsewhere and consequently not endemic to the Wenatchee Mountains in the strict sense. This table includes formerly recognized taxa not currently included on the Washington Flora Checklist (WFC).							
Sources: The original version of this list came from numerous sources: Hitchcock and Cronquist 1973, an unreferenced list of endemics in WNHP files, a memo on 28Oct2003 from Art Kruckeberg to WNHP, and a list prepared by Ed Alverson in October 2003. The list was reviewed and revised based on Flora of North America nomenclature, the Washington Flora Checklist, herbarium records at the Burke Museum (University of Washington), and distribution information on the USDA PLANTS database.							
Scientific Name	Common Name	Family Name	Global Rank	State Rank	State Status	Federal Status	Notes
<i>Chaenactis ramosa</i>	branching chaenactis	Asteraceae					1892 Spokane collection; part of <i>C. douglasia</i> var. <i>douglasii</i> in WFC
<i>Chaenactis thompsonii</i>	Thompson's chaenactis	Asteraceae	G2G3	S2S3	S		On serpentine; also reported from Crystal Mt. and the Twin Sisters
<i>Cirsium edule</i> var. <i>wenatchense</i>	edible thistle	Asteraceae					
<i>Claytonia megarhiza</i> (A. Gray) Parry ex S. Watson var. <i>nivalis</i> (English) C.L. Hitchcock	Wenatchee springbeauty	Portulacaceae				W	WFC includes all varieties in <i>C. megarhiza</i> (A. Gray) Parry ex S. Watson
<i>Clematis occidentalis</i> var. <i>dissecta</i> (<i>C. columbiana</i> var. <i>dissecta</i>)	Columbia clematis	Ranunculaceae					North at least to Sawtooth Ridge
<i>Cryptantha thompsonii</i>	Thompson's cryptantha	Boraginaceae					Mid to high elevation, often on serpentine
<i>Delphinium lineapetalum</i> Ewan (= <i>D. nuttallianum</i> Pritz. var. <i>lineapetalum</i> (Ewan) C.L. Hitchc.	thin-petal larkspur	Ranunculaceae					FNA treats as a Wen. Mt. endemic; USDA gives much broader range, in eastern WA and three OR counties, based on different taxonomic interpretation. WTU has one specimen from Klickitat Co., many from Wen Mts.

<i>Delphinium viridescens</i>	Wenatchee larkspur	Ranunculaceae	G2	S2	T	SC	
<i>Delphinium xantholeucum</i>	yellow-white larkspur	Ranunculaceae			W		
<i>Douglasia nivalis</i>	snow douglasia	Primulaceae					Historically varieties have been described
<i>Eriogonum compositum</i> Dougl. Ex Benth. var. <i>lancifolium</i> St. John & Warren	arrow-leaf buckwheat	Polygonaceae					USDA reports this from Okanogan to Yakima cos. One WTU collection from Navarre Coulee
<i>Eriogonum umbellatum</i> var. <i>hypoleium</i>	sulfur flower buckwheat	Polygonaceae					Leaves nearly glabrous beneath
<i>Galium serpenticum</i> ssp. <i>wenatchicum</i>	shrubby bedstraw	Rubiaceae					WFC does not recognize the many intergrading subspecies.
<i>Geum rossii</i> var. <i>depressum</i>	Ross' avens	Rosaceae	G5T1	S1	E		
<i>Hackelia sp. novum</i>	Taylor's stickseed				T		Formerly regarded as part of <i>H. venusta</i>
<i>Hackelia venusta</i>	showy stickseed	Boraginaceae	G1	S1	E	LE	
<i>Iliamna longisepala</i>	longsepal globemallow	Malvaceae	G3	S3	S		Extends north to Entiat Mts
<i>Lathyrus nevadensis</i> var. <i>puniceus</i>	Sierra pea	Fabaceae					Pink corolla. No WTU specimens
<i>Lewisia tweedyi</i>	Tweedy's lewisia	Portulacaceae					Known to the north at least to Sawtooth Ridge
<i>Lomatium cuspidatum</i>	Wenatchee Mountains desert-parsley	Apiaceae			W		
<i>Lomatium thompsonii</i>	Thompson desert-parsley	Apiaceae					
<i>Petrophyton cinerascens</i>	Chelan rockmap	Rosaceae	G1	S1	E	SC	In Columbia Basin marginal to Wenatchee Mountains
<i>Poa curtifolia</i>	little mountain bluegrass	Poaceae			W		

<i>Pseudoroegneria spicata</i> in part: taxon not currently recognized. <i>Agropyron spicatum</i> var. <i>pubescens</i> in Hitchcock and Cronquist	bluebunch wheatgrass	Poaceae					H&C refer to this taxon as Wenatchee Mts endemic, USDA plants places it in much of the West. WFC does not recognize the taxon. Need to review FNA treatment.
<i>Rudbeckia alpicola</i>	Wenatchee Mountains coneflower	Asteraceae					
<i>Sedum rupicola</i>	lance-leaved stonecrop	Crassulaceae					Apparently primarily Wen Mts, also Mt. Rainier. OR? ID?
<i>Sidalcea oregana</i> var. <i>calva</i>	Wenatchee Mountain checker-mallow	Malvaceae	G5T1	S1	E	LE	
<i>Silene seelyi</i>	Seely's catchfly	Caryophyllaceae	G2G3	S2S3	S	SC	
<i>Trifolium thompsonii</i>	Thompson's clover	Fabaceae	G2	S2	T	SC	Not in Wenatchee mts as drawn for review

Appendix B: Species lists recorded by sites within the Wenatchee Mountains

The following pages present vascular plant species recorded at sites throughout the Wenatchee Mountains. In some cases the lists include plants that were only identified to genus, or that received uncertain identifications, or specimens with atypical characteristics. The floristic inventory of the Wenatchee Mountains is a work in progress, and this partial information is included to provide background information to inform continuing inventory.

The following table provides a key to participants and dates of inventory at most of the sites recorded in this appendix.

Location	Surveyors and dates of inventory
Camas Meadows NAP	Natural Area Program list, compiled by David Wilderman, Reid Schuller, John Gamon, Janice Friebaum, and Don Knoke. Last update by J. Arnett, 2012
DNR Section 16 adjacent to Camas Meadows NAP	Field inventory by J. Arnett June 26, 2008 and July 8 and 15, 2008
<i>Hackelia venusta</i> site	River to ridge top, not including serpentine outcrops at summit. J. Arnett site visit May 28 and 29 and 24 June 2009; J. Arnett and J. Sandberg 25 May 2011; J. Arnett, W. Gibble, E. Kuhlman, Darelene Zabowsky, Betsy Vance, and Masa Khorasani on 22 May 2012
<i>Phacelia minutissima</i> site, T21N RR19E S36	J. Arnett, J. Youngman, J. Bent, S. Reichard, Rare Care trip 24 July 2009; Elroy Burnett sighting, 8 June 1986
Start of trail to Mission Peak, on Rd 9712, T 21N R19E S22	Rare Care trip, J. Arnett, J. Youngman, R. Ramsden 26 July 2009
Sandy area below Mission Peak on Rd 9712	Rare Care trip, J. Arnett, J. Youngman, R. Ramsden 26 July 2009
Sandstone overlook on Rd 9712	Valeriana columbiana site; Rare Care trip, J. Arnett, J. Youngman, R. Ramsden 26 July 2009
Open West slope on Rd 9712	Rare Care trip, J. Arnett, J. Youngman, R. Ramsden 26 July 2009
Wet meadow on Rd 9712 on the approach to Mission Peak	Rare Care trip, J. Arnett, J. Youngman, R. Ramsden 26 July 2009
Howard Cr Trail to Grouse Springs	Rare Care trip, P. Slichter, W. Gibble, S. Wheaton 25 July 2009
Rd 3521 Just E of Table Mtn	Rare Care trip, P. Slichter, E. Kuhlmann, B. Wendling 26 July 2009
Rd 3521 SE 1/4 of S14	Rare Care trip, P. Slichter, E. Kuhlmann, B. Wendling 26 July 2009
Rd 3521 E side of High Creek	Rare Care trip, P. Slichter, E. Kuhlmann, B. Wendling 26 July 2009
Upper Naneum and Owl Creek	Rare Care trip, E. Kuhlmann, B. Wendling, T. Thomas, K. Van Norman
Lower Naneum Meadows	Rare Care trip, E. Kuhlmann, B. Wendling, T. Thomas, K. Van Norman 2009
Red Top and the ridge to the north	Rare Care trip, W. Gibble, S. Reichard, T. Thomas 2009
Bean Creek Trail	Rare Care trip, J. Arnett, M. Hobbs, J. Hobbs 11 July 2010
Stafford Creek Trail	Rare Care trip, J. Arnett, K. Reagan, M. Hobbs, J. Hobbs 10 July 2010
Bear/Iron Creek Trail and Teanaway Ridge Trail	Rare Care trip, P. Slichter 09 July 2010
Beverly Turnpike Trail	Rare Care trip, P. Slichter, K. Reagan, J. Bresnan 11 July 2010
Miller Creek Trail	Rare Care trip, P. Slichter, J. Thorson, K. Van Norman 10 July 2010
Trail 1219 and 1234, Above Naneum Creek	Rare Care trip W. Gibble, S. Reichard, J. Youngman, E. Dixon, M. Henry 10 July 2010
Iron Peak Trail	J. Arnett 21 July 2008
Esmerelda Basin	Rare Care trip; W. Gibble, R. Ramsden, K. Van Norman, M. Henry, J. Thorson, 11 July 2010
North Teanaway Ridge	Rare Care trip; E. Kuhlmann, B. Wendling, S. Reichard, E. Dixon, J. Youngman 11 July 2010
DeRoux Creek Trail	Rare Care trip.; E. Kuhlmann, B. Wendling, R. Ramsden, J. Bresnan 10 July 2010

Tumwater Canyon	J. Arnett 31May2007, 28 and 29May2009, 24June2009; R. Spellenberg collection 1/4 mile nw of Leavenworth
Tumwater Mountain	J. Arnett 29May2009, 17June2009, 24June2009
Tumwater Canyon, across the Wenatchee River from <i>Hackelia venusta</i> site	J. Arnett, C. Cordova, and T. McCracken, 14May2008
Hatchery Creek Trail	J. Arnett 2June2007, 7Aug2007; J. Bent 20-23August2010
Big Jim/Lake Augusta area	J. Arnett 8-10August2007, J. Bent 20-23August2010
Chatter Creek Trail	J. Arnett 30July2008 and 1Aug2008
Cape Horn area, Icicle Ridge	J. Arnett 31July2008
McCue Ridge	J. Arnett 23August2011
Chiwaukum Lake and Ewing Basin	J. Arnett 23-25August2011
Lower Icicle Ridge	Don Schaechtel, up to 3July2012
Johnny Creek Campground	J. Arnett 25June2009
River Trail loop, Icicle Canyon	J. Arnett 25June2009
Mountain Home	J. Arnett, 15July2010

Camas Meadows NAP

Natural Area Program list, Compiled by David Wilderman, Reid Schuller, John Gamon, Janice Friebaum, Joe Arnett, and Don Knoke. Last update 2012.

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies grandis</i>	grand fir
<i>Achillea millefolium</i>	common yarrow
<i>Aconitum columbianum</i>	Columbian monkshood
<i>Agastache occidentalis</i>	western giant-hyssop
<i>Agoseris elata</i>	tall agoseris
<i>Agoseris grandiflora</i>	large-flowered agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Agrostis exarata</i>	spike bentgrass
<i>Allium acuminatum</i>	taper tip onion
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Anaphalis margaritacea</i>	pearly everlasting
<i>Anemone oregana</i>	Oregon anemone
<i>Angelica arguta</i>	sharp-tooth angelica
<i>Angelica canbyi</i>	Canby's angelica
<i>Antennaria luzuloides</i>	woodrush pussy-toes
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Apocynum androsaemifolium</i>	dogbane
<i>Arabis hirsuta</i>	hairy rockcress
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Balsamorhiza sagittata</i>	arrow-leaf balsamroot
<i>Barbarea orthoceras</i>	American wintercress
<i>Berberis aquifolium</i>	tall Oregon grape
<i>Bistorta bistortoides</i> (<i>Polygonum bistortoides</i>)	western bistort
<i>Bromus inermis</i> *	smooth brome
<i>Bromus mollis</i> *	soft brome
<i>Calamagrostis rubescens</i>	pinegrass
<i>Calochortus lyallii</i>	Lyall's mariposa lily
<i>Camassia quamash</i>	common camas
<i>Cardamine</i> sp.	bittercress
<i>Cardaria draba</i>	white-top
<i>Carex</i> cf. <i>subfusca</i>	rusty sedge
<i>Carex geyeri</i>	elk sedge
<i>Carex nebraskensis</i>	Nebraska sedge
<i>Carex pachycarpa</i> (<i>C. multicosata</i> , misapplied)	furrowed broom-sedge
<i>Carex pachystachya</i>	thick-headed sedge
<i>Carex</i> sp.	sedge
<i>Castilleja elmeri</i>	Wenatchee mountains Indian-paintbrush
<i>Castilleja miniata</i>	scarlet Indian-paintbrush
<i>Castilleja tenuis</i> (<i>Orthocarpus hispidus</i>)	owlclover
<i>Ceanothus sanguineus</i>	redstem ceanothus
<i>Ceanothus velutinus</i> var. <i>velutinus</i>	snowbrush
<i>Centaurea diffusa</i> *	diffuse knapweed
<i>Centaurea maculosa</i> *	spotted knapweed
<i>Centaurea pratensis</i> *	meadow knapweed
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fireweed
<i>Cirsium arvense</i> *	Canada thistle
<i>Cirsium</i> cf. <i>brevistylum</i>	short-styled thistle
<i>Cirsium</i> cf. <i>hookerianum</i>	white thistle
<i>Cirsium edule</i>	horse thistle

<i>Cirsium vulgare*</i>	bull thistle
<i>Claytonia lanceolata</i>	spring beauty
<i>Claytonia perfoliata</i>	miner's lettuce
<i>Collinsia parviflora</i>	small-flowered blue-eyed Mary
<i>Collomia grandiflora</i>	large-flowered collomia
<i>Collomia linearis</i>	narrow-leaf collomia
<i>Convolvulus arvensis*</i>	field bindweed
<i>Conyza canadensis</i>	horseweed
<i>Crataegus douglasii</i>	black hawthorn
<i>Crataegus douglasii</i> var. <i>suksdorfii</i>	black hawthorn
<i>Crepis</i> sp.	hawksbeard
<i>Cryptantha</i> sp.	cryptantha
<i>Cypripedium montanum</i>	mountain lady's-slipper
<i>Cystopteris fragilis</i>	fragile fern
<i>Dactylis glomerata*</i>	orchardgrass
<i>Danthonia californica</i>	California oatgrass
<i>Dasiphora fruticosa</i> (<i>Potentilla fruticosa</i>)	shrubby cinquefoil
<i>Delphinium glaucum</i>	pale larkspur
<i>Delphinium viridescens</i>	Wenatchee larkspur
<i>Deschampsia caespitosa</i>	tufted hairgrass
<i>Deschampsia elongata</i>	slender hairgrass
<i>Dryocallis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil
<i>Elymus cinereus</i>	Great Basin wildrye
<i>Elymus glaucus</i>	blue wildrye
<i>Elymus repens*</i>	quackgrass
<i>Epilobium brachycarpum</i> (<i>E. paniculatum</i>)	tall willow-herb
<i>Epilobium ciliatum</i> (<i>E. watsonii</i>)	Watson's willow-herb
<i>Epilobium densiflorum</i>	dense spike-primrose
<i>Epilobium glaberrimum</i> (see subspecies)	smooth willow-herb
<i>Epilobium halleanum</i> (<i>E. glandulosum</i> , in part)	common willow-herb
<i>Epilobium minutum</i>	small-flowered willowherb
<i>Equisetum</i> sp.	horsetail
<i>Erigeron</i> sp.	daisy
<i>Eriogonum elatum</i>	tall buckwheat
<i>Eriogonum umbellatum</i>	sulfur flower
<i>Erodium cicutarium*</i>	stork's-bill
<i>Erythranthe guttata</i> (<i>Mimulus guttatus</i>)	yellow monkeyflower
<i>Erythranthe moschata</i> (<i>Mimulus moschatus</i>)	musk-flowered monkeyflower
<i>Erythronium grandiflorum</i>	glacier lily
<i>Festuca idahoensis</i>	Idaho fescue
<i>Fragaria virginiana</i> spp. <i>platypetala</i>	woods strawberry
<i>Fritillaria lanceolata</i>	chocolate lily
<i>Galium aparine</i>	cleavers
<i>Galium multiflorum</i>	shrubby bedstraw
<i>Galium triflorum</i>	fragrant bedstraw
<i>Gayophytum</i> sp.	groundsmoke
<i>Geranium</i> cf. <i>richardsonii</i>	white geranium
<i>Geranium viscosissimum</i>	sticky purple geranium
<i>Geum macrophyllum</i> var. <i>macrophyllum</i>	large-leaved avens
<i>Geum triflorum</i>	prairie smoke
<i>Goodyera oblongifolia</i>	western rattlesnake orchid
<i>Grindelia nana</i>	low gumweed
<i>Hackelia deflexa</i>	nodding stickseed
<i>Hackelia micrantha</i>	blue stickseed
<i>Helianthella uniflora</i> var. <i>douglasii</i>	little sunflower
<i>Heracleum maximum</i> (<i>Heracleum lanatum</i>)	cow-parsnip
<i>Hieracium albiflorum</i>	white-flowered hawkweed

<i>Holodiscus discolor</i>	ocean spray
<i>Hordeum brachyantherum</i>	meadow barley
<i>Hydrophyllum capitatum</i> var. <i>capitatum</i>	ballhead waterleaf
<i>Hydrophyllum fendleri</i> var. <i>albifrons</i>	Fendler's waterleaf
<i>Hypericum</i> sp.	St. John's wort
<i>Iliamna rivularis</i>	streambank globemallow
<i>Juncus ensifolius</i>	dagger-leaf rush
<i>Juncus</i> sp.	rush
<i>Juncus tenuis</i>	poverty rush
<i>Lactuca serriola</i> *	prickly lettuce
<i>Larix occidentalis</i>	western larch
<i>Lathyrus lanszwertii</i>	thick-leaved peavine
<i>Lathyrus nevadensis</i> var. <i>punicus</i>	Sierran peavine
<i>Lathyrus pauciflorus</i> var. <i>pauciflorus</i>	few-flowered peavine
<i>Lathyrus pauciflorus</i> var. <i>utahensis</i>	few-flowered peavine
<i>Leucanthemum vulgare</i> *	ox-eye daisy
<i>Lilium columbianum</i>	tiger lily
<i>Linaria dalmatica</i> ssp. <i>dalmatica</i> * (<i>Linaria genistifolia</i> var. <i>dalmatica</i>)	Dalmatian toadflax
<i>Linaria vulgaris</i> *	butter-and-eggs
<i>Linnaea borealis</i>	twinflower
<i>Lithophragma parviflora</i>	small-flowered prairie-star
<i>Lithospermum ruderale</i>	Columbia puccoon
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Lonicera ciliosa</i>	trumpet honeysuckle
<i>Lonicera involucrata</i>	black twinberry
<i>Lupinus</i> cf. <i>sericeus</i> var. <i>fikeranus</i> , keys to <i>L. wyethii</i>	silky lupine
<i>Lupinus latifolius</i> var. <i>latifolius</i>	broadleaf lupine
<i>Lupinus</i> sp.	lupine
<i>Lupinus sulphureus</i>	sulphur lupine
<i>Lupinus wyethii</i>	Wyeth's lupine
<i>Madia glomerata</i>	tarweed
<i>Madia gracilis</i>	tarweed
<i>Maianthemum stellatum</i> (<i>Smilacina stellata</i>)	starry false Solomon-seal
<i>Malva parviflora</i>	cheeseweed
<i>Matricaria matricarioides</i> *	pineapple weed
<i>Melilotus alba</i> *	white sweet-clover
<i>Mentha arvensis</i> *	field mint
<i>Mertensia longiflora</i>	bluebells
<i>Mertensia oblongiflora</i>	leafy bluebells
<i>Microseris nutans</i>	nodding microseris
<i>Microsteris gracilis</i> (<i>Phlox gracilis</i>)	pink microsteris
<i>Moehringia macrophylla</i> (<i>Arenaria macrophylla</i>)	big-leaf sandwort
<i>Montia chamissoi</i>	water montia
<i>Montia linearis</i>	narrow-leaf montia
<i>Navarretia intertexta</i> var. <i>propinqua</i>	needle-leaf navarettia
<i>Nemophila breviflora</i>	Great Basin nemophila
<i>Osmorhiza occidentalis</i>	western sweet cicely
<i>Paeonia brownii</i>	Brown's peony
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Penstemon confertus</i>	yellow penstemon
<i>Perideridia gairdneri</i>	yampah
<i>Phleum alpinum</i>	alpine timothy
<i>Phleum pratense</i> *	common timothy
<i>Phlox speciosa</i> (see subspecies)	showy phlox
<i>Pinus ponderosa</i>	ponderosa pine
<i>Plagiobothrys</i> sp.	popcorn-flower
<i>Plantago major</i> *	common plantain

<i>Poa bulbosa</i> ssp. <i>vivipara</i> *	bulbous bluegrass
<i>Poa compressa</i> *	Canada bluegrass
<i>Poa pratensis</i> ssp. <i>pratensis</i> *	Kentucky bluegrass
<i>Poa</i> sp.	bluegrass
<i>Polygonum douglasii</i>	Douglas' knotweed
<i>Polygonum polygaloides</i> ssp. <i>kelloggii</i>	white-margined knotweed
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	black cottonwood
<i>Populus tremuloides</i>	quaking aspen
<i>Potentilla arguta</i> var. <i>convallaria</i>	tall cinquefoil
<i>Potentilla gracilis</i> var. <i>flabelliformis</i>	Idaho cinquefoil
<i>Potentilla recta</i> *	sulfur cinquefoil
<i>Prunus emarginata</i>	bitter cherry
<i>Prunus virginiana</i>	chokecherry
<i>Pseudognaphalium microcephalum</i> (<i>Gnaphalium microcephalum</i>)	slender cudweed
<i>Pseudoroegneria spicata</i> (<i>Agropyron spicatum</i>)	bluebunch wheatgrass
<i>Pseudostellaria jamesiana</i> (<i>Stellaria jamesiana</i>)	sticky starwort
<i>Pterospora andromedea</i>	pinetrops
<i>Purshia tridentata</i>	antelope bitterbrush
<i>Ranunculus occidentalis</i>	western buttercup
<i>Ranunculus uncinatus</i>	little buttercup
<i>Ribes lacustre</i>	prickly current
<i>Rorippa curvisiliqua</i>	western yellowcress
<i>Rosa nutkana</i> var. <i>hispida</i>	Nootka rose
<i>Rosa woodsii</i> var. <i>ultramontana</i>	Wood's rose
<i>Rubus parviflorus</i>	thimbleberry
<i>Rudbeckia alpica</i>	rudbeckia
<i>Rumex crispus</i> *	sour dock
<i>Rumex salicifolius</i>	willow dock
<i>Salix scouleriana</i>	Scouler's willow
<i>Salix</i> sp.	willow
<i>Sambucus nigra</i> ssp. <i>cerulea</i> (<i>S. cerulea</i>)	blue elderberry
<i>Sanguisorba occidentalis</i>	annual burnet
<i>Senecio hydrophiloides</i>	sweet-marsh butterweed
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Sidalcea oregana</i> var. <i>calva</i>	Wenatchee mountains checker-mallow
<i>Silene douglasii</i> var. <i>douglasii</i> : ovary stalk 2-3 mm, pls glandular in upper part	Douglas' silene
<i>Solidago lepida</i> var. <i>salebrosa</i> (<i>S. canadensis</i> var. <i>salebrosa</i>)	goldenrod
<i>Spiraea douglasii</i> (see varieties)	Douglas' spiraea
<i>Spiraea lucida</i> (<i>S. betulifolia</i>)	shiny-leaf spiraea
<i>Spiraea xpyramidata</i>	pyramid spiraea
<i>Spiranthes romanoffiana</i>	hooded lady's-tresses
<i>Stachys coolyae</i>	Cooly's hedge-nettle
<i>Symphoricarpos albus</i>	common snowberry
<i>Symphyotrichum foliaceum</i> (<i>Aster foliaceus</i>)	leafy aster
<i>Symphyotrichum lanceolatum</i> var. <i>hesperium</i> (<i>Aster hesperius</i>)	lanceleaved aster
<i>Symphyotrichum spathulatum</i> var. <i>spathulatum</i>	Western mountain aster
<i>Taraxacum officinale</i> *	common dandelion
<i>Thalictrum occidentale</i>	western meadow-rue
<i>Thlaspi arvense</i> *	pennycress
<i>Tragopogon dubius</i> *	salsify
<i>Trifolium hybridum</i> *	Alsike clover
<i>Trifolium longipes</i> ssp. <i>longipes</i>	longstalked clover
<i>Trifolium repens</i> *	white clover
<i>Trillium ovatum</i>	western trillium
<i>Trillium petiolatum</i>	purple trillium
<i>Tripleurospermum maritimum</i> ssp. <i>maritimum</i> (<i>Matricaria maritima</i>)*	scentless mayweed

<i>Tritileia hyacinthina</i>	Hyacinth brodiaea
<i>Urtica dioica</i>	stinging nettle
<i>Veratrum californicum</i>	California false hellebore
<i>Verbascum thapsus</i> *	common mullein
<i>Veronica americana</i>	American speedwell
<i>Vicia americana</i> var. <i>americana</i>	American vetch
<i>Viola adunca</i> ssp. <i>adunca</i>	yellow prairie violet
<i>Viola praemorsa</i> (includes <i>V. nuttallii</i> ; see varieties of <i>V. praemorsa</i>)	Nuttall violet
<i>Wyethia amplexicaulis</i>	northern mule's-ears

DNR Section 16 adjacent to Camas Meadows NAP

Field inventory by Joe Arnett June 26, 2008 and July 8 and 15, 2008

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies grandis</i>	grand fir
<i>Acer glabrum</i> var. <i>douglasii</i>	Douglas maple
<i>Achillea millefolium</i>	common yarrow
<i>Achnatherum</i> or <i>Heterostipa</i> species	needle-and-thread
<i>Agoseris grandiflora</i>	large-flowered agoseris
<i>Agoseris retrorsa</i>	spear leaved agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Allium acuminatum</i>	taper tip onion
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Anaphalis margaritacea</i>	pearly everlasting
<i>Anemone oregana</i>	Oregon anemone
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Apocynum androsaemifolium</i>	dogbane
<i>Arabis</i> sp.	rock cress
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Balsamorhiza careyana</i>	Carey's balsamroot
<i>Balsamorhiza sagittata</i>	arrow-leaf balsamroot
<i>Bromus tectorum</i>	cheatgrass
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Calamagrostis rubescens</i>	pinegrass
<i>Calochortus lyallii</i>	Lyall's mariposa lily
<i>Carex fracta</i>	fragile sheath sedge
<i>Carex geyeri</i>	elk sedge
<i>Castilleja miniata</i>	scarlet Indian-paintbrush
<i>Ceanothus sanguineus</i>	redstem ceanothus
<i>Ceanothus velutinus</i> var. <i>velutinus</i>	snowbrush
<i>Centaurea diffusa</i> *	diffuse knapweed
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fireweed
<i>Chimaphila umbellata</i>	pipsissewa
<i>Cirsium</i> cf. <i>brevistylum</i>	short-styled thistle
<i>Cirsium</i> cf. <i>hookerianum</i>	white thistle
<i>Collinsia parviflora</i>	small-flowered blue-eyed Mary
<i>Collomia grandiflora</i>	large-flowered collomia
<i>Crataegus douglasii</i>	black hawthorn
<i>Cystopteris fragilis</i>	fragile fern
<i>Danthonia unispicata</i>	one-spike oatgrass
<i>Drymocallis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil
<i>Elymus glaucus</i>	blue wildrye
<i>Erigeron</i> cf. <i>acris</i> var. <i>debilis</i>	northern daisy
<i>Erigeron filifolius</i>	threadleaf fleabane

<i>Eriogonum compositum</i> var. <i>lancifolium</i>	northern buckwheat
<i>Eriogonum elatum</i>	tall buckwheat
<i>Galium triflorum</i>	fragrant bedstraw
<i>Geranium</i> cf. <i>richardsonii</i>	white geranium
<i>Goodyera oblongifolia</i>	western rattlesnake orchid
<i>Grindelia nana</i>	low gumweed
<i>Hackelia micrantha</i>	blue stickseed
<i>Helianthella uniflora</i> var. <i>douglasii</i>	little sunflower
<i>Heuchera cylindrica</i>	alumroot
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Holodiscus discolor</i>	ocean spray
<i>Juncus</i> sp.	rush
<i>Lathyrus pauciflorus</i> var. <i>pauciflorus</i>	few-flowered peavine
<i>Lithospermum ruderale</i>	Columbia puccoon
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Lomatium thompsonii</i>	Thompson's lomatium
<i>Lonicera ciliosa</i>	trumpet honeysuckle
<i>Lupinus latifolius</i> var. <i>latifolius</i>	broadleaf lupine
<i>Lupinus wyethii</i>	Wyeth's lupine
<i>Madia exigua</i>	tarweed
<i>Melilotus alba</i> *	white sweet-clover
<i>Microsteris gracilis</i> (<i>Phlox gracilis</i>)	pink microsteris
<i>Moehringia macrophylla</i> (<i>Arenaria macrophylla</i>)	big-leaf sandwort
<i>Navarretia intertexta</i> var. <i>propinqua</i>	needle-leaf navarettia
<i>Olsynium douglasii</i>	grass widows
<i>Orthilia secunda</i>	one-sided pyrola
<i>Paeonia brownii</i>	Brown's peony
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Penstemon confertus</i>	yellow penstemon
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Penstemon richardsonii</i>	Richardson's penstemon
<i>Perideridia gairdneri</i>	yampah
<i>Phacelia linearis</i>	thread-leaf scorpion-weed
<i>Philadelphus lewisii</i>	mock-orange
<i>Phleum pratense</i> *	common timothy
<i>Phlox speciosa</i> (see subspecies)	showy phlox
<i>Pinus ponderosa</i>	ponderosa pine
<i>Piperia unalascensis</i>	Alaska rein orchid
<i>Plantago major</i> *	common plantain
<i>Poa</i> - large <i>rhizomatosa</i>	bluegrass
<i>Poa bulbosa</i> ssp. <i>vivipara</i> *	bulbous bluegrass
<i>Poa</i> cf. <i>nervosa</i>	bluegrass
<i>Poa secunda</i> (see subspecies)	Sandberg's bluegrass
<i>Potentilla arguta</i> var. <i>convallaria</i>	tall cinque foil
<i>Potentilla gracilis</i> var. <i>flabelliformis</i>	Idaho cinquefoil
<i>Prunus emarginata</i>	bitter cherry
<i>Pseudoroegneria spicata</i> (<i>Agropyron spicatum</i>)	bluebunch wheatgrass
<i>Pseudostellaria jamesiana</i> (<i>Stellaria jamesiana</i>)	sticky starwort
<i>Ranunculus uncinatus</i>	little buttercup
<i>Rosa gymnocarpa</i>	baldhip rose
<i>Rosa nutkana</i> var. <i>hispida</i>	Nootka rose
<i>Rubus idaeus</i> ? Pls glab under leaves and with red fruit, together with <i>R. leucodermis</i>	
<i>Rubus parviflorus</i>	thimbleberry
<i>Rudbeckia alpicola</i>	rudbeckia
<i>Salix scouleriana</i>	Scouler's willow

<i>Sambucus nigra</i> ssp. <i>cerulea</i> (<i>S. cerulea</i>)	blue elderberry
<i>Spiraea lucida</i> (<i>S. betulifolia</i>)	shiny-leaf spiraea
<i>Symphoricarpos oreophilus</i>	mountain snowberry
<i>Taraxacum officinale</i> *	common dandelion
<i>Tragopogon dubius</i> *	salsify
<i>Trifolium hybridum</i> *	Alsike clover
<i>Trifolium longipes</i> ssp. <i>longipes</i>	longstalked clover
<i>Trifolium repens</i> *	white clover
<i>Tripleurospermum maritimum</i> ssp. <i>maritimum</i> (<i>Matricaria maritima</i>)*	scentless mayweed
<i>Veratrum californicum</i>	California false hellebore
<i>Vicia americana</i> var. <i>americana</i>	American vetch
<i>Woodsia scopulina</i> (see varieties)	western cliff fern
<i>Wyethia amplexicaulis</i>	northern mule's-ears
<i>Zigadenus venenosus</i> var. <i>gramineus</i>	death camas

Hackelia venusta site in Tumwater Canyon

From the river to the ridge top, not including serpentine outcrops at the top of Tumwater Mountain. Arnett inventory 31May2007, 28 and 29May2009, 24June2009; Site visit with J. Arnett, W. Gible, E. Kuhlman, Darelene Zabowsky, Betsy Vance, and Masa Khorasani on May 22, 2012.

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Acer glabrum</i> var. <i>douglasii</i>	Douglas maple
<i>Acer macrophyllum</i>	bigleaf maple
<i>Achillea millefolium</i>	common yarrow
<i>Agoseris grandiflora</i>	large-flowered agoseris
<i>Agoseris heterophylla</i>	annual agoseris
<i>Agoseris retrorsa</i>	spear leaved agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Allium acuminatum</i>	taper tip onion
<i>Allium crenulatum</i>	scalloped onion
<i>Allium robinsonii</i> ?	Robinson's onion
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Apocynum androsaemifolium</i>	dogbane
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Artemisia tridentata</i>	tall sagebrush
<i>Athysanus pusillus</i>	sandweed
<i>Balsamorhiza sagittata</i>	arrow-leaf balsamroot
<i>Calochortus lyallii</i>	Lyall's mariposa lily
<i>Carex geyeri</i>	elk sedge
<i>Castilleja hispida</i> var. <i>hispida</i>	harsh paintbrush
<i>Ceanothus sanguineus</i>	redstem ceanothus
<i>Ceanothus velutinus</i> var. <i>velutinus</i>	snowbrush
<i>Centaurea diffusa</i> *	diffuse knapweed
<i>Cerastium arvense</i>	field chickweed
<i>Chaenactis ramosa</i> (included in <i>C. douglasii</i> on WFC)	branching chaenactis
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fire weed
<i>Cheilanthes gracillima</i>	lace lip-fern
<i>Claytonia rubra</i>	red miners lettuce
<i>Clematis occidentalis</i> var. <i>dissecta</i> (<i>Clematis columbiana</i> var. <i>dissecta</i>)	Columbia clematis
<i>Collinsia parviflora</i>	small-flowered blue-eyed Mary
<i>Collomia grandiflora</i>	large-flowered collomia
<i>Cryptantha simulans</i>	pine woods cryptantha
<i>Cryptantha torreyana</i>	Torrey's cryptantha
<i>Cystopteris fragilis</i>	fragile fern
<i>Dasiphora fruticosa</i> (<i>Potentilla fruticosa</i>)	shrubby cinquefoil
<i>Delphinium nuttallianum</i>	upland larkspur
<i>Dodecatheon pulchellum</i> var. <i>pulchellum</i>	dark-throat shooting star
<i>Draba verna</i>	spring whitlowgrass
<i>Drymocallis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil
<i>Epilobium clavatum</i> (<i>E. alpinum</i>)	talus willowherb
<i>Equisetum laevigatum</i>	smooth scouring rush
<i>Eriogonum compositum</i>	northern buckwheat
<i>Eriogonum heracleoides</i>	parsnip-flowered buckwheat
<i>Eriogonum strictum</i>	strick buckwheat
<i>Eriogonum umbellatum</i> var. <i>hypoleum</i>	sulfur flower
<i>Erythranthe alsinoides</i> (<i>Mimulus alsinoides</i>)	chickweed monkeyflower
<i>Erythranthe guttata</i> (<i>Mimulus guttatus</i>)	yellow monkeyflower

<i>Erythronium grandiflorum</i>	glacier lily
<i>Fritillaria pudica</i>	yellowbells
<i>Galium multiflorum</i>	shrubby bedstraw
<i>Hackelia diffusa</i> var. <i>arida</i>	steppe stickseed
<i>Hemieva ranunculifolia</i> (<i>Suksdorfia ranunculifolia</i>)	buttercup-leaved suksdorfia
<i>Heuchera cylindrica</i>	alumroot
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Hieracium scouleri</i> (<i>Hieracium albertinum</i>)	Scouler's hawkweed
<i>Holodiscus discolor</i>	ocean spray
<i>Hydrophyllum capitatum</i> var. <i>capitatum</i>	ballhead waterleaf
<i>Lathyrus pauciflorus</i> var. <i>pauciflorus</i>	few-flowered peavine
<i>Leptosiphon liniflorus</i> (<i>Linanthus pharnaceoides</i>)	thread-stemmed linanthus
<i>Lewisia rediviva</i>	bitterroot
<i>Lewisia tweedyi</i> (<i>Cistanthe tweedyi</i>)	Tweedy's lewisia
<i>Linaria dalmatica</i> ssp. <i>dalmatica</i> * (<i>Linaria genistifolia</i> var. <i>dalmatica</i>)	Dalmatian toadflax
<i>Lomatium brandegei</i>	Brandege's lomatium
<i>Lupinus</i> cf. <i>sericeus</i> var. <i>fikeranus</i> , keys to <i>L. wyethi</i>	silky lupine
<i>Maianthemum racemosum</i> (<i>Smilacina racemosa</i>)	western solomon's-seal
<i>Matricaria matricarioides</i> *	pineapple weed
<i>Mentzelia albicaulis</i> (Icicle plants with ovale acute bracts)	small-flowered mentzelia
<i>Micranthes idahoensis/occidentalis</i> (<i>Saxifraga</i>)	western saxifrage
<i>Micranthes ondontoloma</i> (<i>Saxifraga arguta, punctata</i>)	brook saxifrage
<i>Montia parvifolia</i>	streambank springbeauty
<i>Orobancha uniflora</i>	naked broomrape
<i>Orobancha uniflora</i> var. <i>minuta</i>	naked broomrape
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Penstemon pruinus</i>	Chelan penstemon
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Phacelia linearis</i>	thread-leaf scorpion-weed
<i>Philadelphus lewisii</i>	mock-orange
<i>Phlox diffusa</i> (see varieties and subspecies)	spreading phlox
<i>Pinus ponderosa</i>	ponderosa pine
<i>Poa bulbosa</i> ssp. <i>vivipara</i> *	bulbous bluegrass
<i>Poa secunda</i> (see subspecies)	Sandberg's bluegrass
<i>Polystichum imbricans</i>	imbricate sword fern
<i>Prunus emarginata</i>	bitter cherry
<i>Prunus virginiana</i>	chokecherry
<i>Rosa woodsii</i> var. <i>ultramontana</i>	Wood's rose
<i>Rubus parviflorus</i>	thimbleberry
<i>Salix scouleriana</i>	Scouler's willow
<i>Sambucus nigra</i> ssp. <i>cerulea</i> (<i>S. cerulea</i>)	blue elderberry
<i>Selaginella wallacei</i>	Wallaces selaginella
<i>Senecio integerrimus</i> var. <i>ochroleucus</i>	pale western groundsel
<i>Silene menziesii</i> (some flowers to 10 mm across in Tumwater Canyon)	Menzies' catchfly
<i>Silene seelyi</i>	Seely's catchfly
<i>Spiraea lucida</i> (<i>S. betulifolia</i>)	shiny-leaf spiraea
<i>Suksdorfia violacea</i>	violet mock brookfoam
<i>Symphoricarpos albus</i>	common snowberry
<i>Taraxacum officinale</i> *	common dandelion
<i>Tragopogon dubius</i> *	salsify
<i>Trientalis latifolia</i> (<i>T. borealis</i>)	western starflower
<i>Viola purpurpea</i> var. <i>venosa</i>	purplish violet
<i>Woodsia oregana</i> ssp. <i>oregana</i>	western cliff fern

Phacelia minutissima site

T21N RR19E S36: J. Arnett, J. Youngman, J. Bent, S. Reichard, Rare Care trip 24July2009;
Elroy Burnett sighting, 8June1986

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Achillea millefolium</i>	common yarrow
<i>Agoseris grandiflora</i>	large-flowered agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Balsamorhiza sagittata</i>	arrow-leaf balsamroot
<i>Carex geyeri</i>	elk sedge
<i>Eriogonum umbellatum</i> var. <i>hypoleum</i>	sulfur flower
<i>Erythranthe guttata</i> (<i>Mimulus guttatus</i>)	yellow monkeyflower
<i>Erythronium grandiflorum</i>	glacier lily
<i>Fritillaria pudica</i>	yellowbells
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Hieracium scouleri</i> (<i>Hieracium albertinum</i>)	Scouler's hawk weed
<i>Lupinus</i> cf. <i>sericeus</i> var. <i>fikeranus</i> , keys to <i>L. wyethi</i>	silky lupine
<i>Orobanche uniflora</i>	naked broomrape
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Pinus ponderosa</i>	ponderosa pine
<i>Poa secunda</i> (see subspecies)	Sandberg's bluegrass
<i>Symphoricarpos albus</i>	common snowberry
<i>Taraxacum officinale</i> *	common dandelion
<i>Tragopogon dubius</i> *	salsify
<i>Abies grandis</i>	grand fir
<i>Arabis</i> sp.	rock cress
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Elymus glaucus</i>	blue wildrye
<i>Eriogonum elatum</i>	tall buckwheat
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Lupinus latifolius</i> var. <i>latifolius</i>	broadleaf lupine
<i>Navarretia intertexta</i> var. <i>propinqua</i>	needle-leaf navarretia
<i>Olsynium douglasii</i>	grass widows
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Perideridia gairdneri</i>	yampah
<i>Phleum pratense</i> *	common timothy
<i>Potentilla arguta</i> var. <i>convallaria</i>	tall cinquefoil
<i>Potentilla gracilis</i> var. <i>flabelliformis</i>	Idaho cinquefoil
<i>Ranunculus uncinatus</i>	little buttercup
<i>Rosa nutkana</i> var. <i>hispida</i>	Nootka rose
<i>Trifolium repens</i> *	white clover
<i>Veratrum californicum</i>	California false hellebore
<i>Vicia americana</i> var. <i>americana</i>	American vetch
<i>Aconitum columbianum</i>	Columbian monkshood
<i>Agoseris elata</i>	tall agoseris
<i>Antennaria luzuloides</i>	woodrush pussy-toes
<i>Bistorta bistortoides</i> (<i>Polygonum bistortoides</i>)	western bistort
<i>Carex pachystachya</i>	thick-headed sedge
<i>Castilleja elmeri</i>	Wenatchee mountains Indian-paintbrush
<i>Castilleja tenuis</i> (<i>Orthocarpus hispidus</i>)	owlclover
<i>Collomia linearis</i>	narrow-leaf collomia
<i>Crepis</i> sp.	hawksbeard
<i>Dactylis glomerata</i> *	orchardgrass

<i>Epilobium glaberrimum</i> (see subspecies)	smooth willow-herb
<i>Epilobium halleanum</i> (<i>E. glandulosum</i> , in part)	common willow-herb
<i>Epilobium minutum</i>	small-flowered willowherb
<i>Geum macrophyllum</i> var. <i>macrophyllum</i>	large-leaved avens
<i>Geum triflorum</i>	prairie smoke
<i>Heracleum maximum</i> (<i>Heracleum lanatum</i>)	cow-parsnip
<i>Juncus tenuis</i>	poverty rush
<i>Larix occidentalis</i>	western larch
<i>Madia glomerata</i>	tarweed
<i>Osmorhiza occidentalis</i>	western sweet cicely
<i>Poa pratensis</i> ssp. <i>pratensis</i> *	Kentucky bluegrass
<i>Polygonum douglasii</i>	Douglas' knotweed
<i>Populus tremuloides</i>	quaking aspen
<i>Solidago lepida</i> var. <i>salebrosa</i> (<i>S. canadensis</i> var. <i>salebrosa</i>)	goldenrod
<i>Symphyotrichum foliaceum</i> (<i>Aster foliaceus</i>)	leafy aster
<i>Urtica dioica</i>	stinging nettle
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Agoseris</i> : entire lvs, achene with shoulder like <i>A. retrorsa</i>	agoseris
<i>Alnus viridis</i> ssp. <i>sinuata</i> (<i>Alnus sinuata</i>)	Sitka alder
<i>Angelica</i> sp.	angelica
<i>Arctostaphylos nevadensis</i>	pinemat manzanita
<i>Arnica mollis</i>	hairy arnica
<i>Artemisia tridentata</i> ssp. <i>vasayana</i>	mountain big sagebrush
<i>Carex hoodii</i>	Hood's sedge
<i>Chenopodium</i> sp.	goosefoot
<i>Cirsium edule</i> var. <i>wenatchense</i>	Wenatchee thistle
<i>Collomia tenella</i>	diffuse collomia
<i>Delphinium multiplex</i>	Kittitas larkspur
<i>Dodecatheon</i> sp.	shootingstar
<i>Eremogone capillaris</i> var. <i>americana</i> (<i>Arenaria capillaris</i> var. <i>americana</i>)	fescue sandwort
<i>Erigeron glacialis</i> var. <i>glacialis</i> (<i>E. peregrinus</i>)	wandering daisy
<i>Eriogonum compositum</i> var. <i>leianthum</i>	northern buckwheat
<i>Eriogonum douglasii</i> var. <i>douglasii</i>	Douglas' buckwheat
<i>Glyceria</i> sp.	mannagrass
<i>Gnaphalium palustre</i>	lowland cudweed
<i>Ipomopsis aggregata</i>	firecracker
<i>Lathyrus</i> sp.	vetch
<i>Leptosiphon harknessii</i> (<i>Linanthus harknessii</i>)	Harkness' linanthus
<i>Ligusticum canbyi</i>	Canby's wild lovage
<i>Lomatium triternatum</i> (see varieties)	nine-leaf lomatium
<i>Lupinus polyphyllus</i> (see varieties)	largeleaved lupine
<i>Packera streptanthifolia</i> (<i>Senecio streptanthifolius</i>)	Rocky Mountain groundsel
<i>Pinus contorta</i>	lodgepole pine
<i>Polygonum</i> sp.	knotweed
<i>Prunella vulgaris</i> var. <i>vulgaris</i>	healall
<i>Ranunculus</i> cf. <i>orthorynchus</i> : pl > 1 m, long slightly bent beak	straight-beak buttercup
<i>Ribes viscosissimum</i>	sticky current
<i>Ribes watsonianum</i>	spring gooseberry
<i>Sedum</i> sp.	stonecrop
<i>Senecio serra</i> var. <i>serra</i>	butterweed groundsel
<i>Senecio triangularis</i>	arrowleaf groundsel
<i>Sidalcea oregana</i> var. <i>procera</i>	Oregon checkermallow
<i>Silene latifolia</i> (<i>Lychnis alba</i>)	white campion
<i>Streptopus amplexifolius</i>	claspleaf twisted-stalk
<i>Valeriana sitchensis</i>	Sitka valerian
<i>Zigadenus venenosus</i> var. <i>venenosus</i>	death-camas

Start of trail to Mission Peak, on Rd. 9712, T 21N R19E S22
 Rare Care trip, J. Arnett, J. Youngman, R. Ramsden 26July2009

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies lasiocarpa</i>	subalpine fir
<i>Achillea millefolium</i>	common yarrow
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Aquilegia flavescens</i>	yellow columbine
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Arnica mollis</i>	hairy arnica
<i>Artemisia michauxiana</i>	Michaux's mugwort
<i>Campanula parryi</i> var. <i>idahoensis</i>	Parry's harebell
<i>Carex geyeri</i>	elk sedge
<i>Castilleja miniata</i>	scarlet Indian-paintbrush
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fireweed
<i>Cirsium edule</i> var. <i>wenatchense</i>	Wenatchee thistle
<i>Clematis occidentalis</i> var. <i>dissecta</i> (<i>Clematis columbiana</i> var. <i>dissecta</i>)	Columbia clematis
<i>Eremogone capillaris</i> var. <i>americana</i> (<i>Arenaria capillaris</i> var. <i>americana</i>)	fescue sandwort
<i>Erigeron</i> cf. <i>acris</i> var. <i>debilis</i>	northern daisy
<i>Erigeron glacialis</i> var. <i>glacialis</i> (<i>E. peregrinus</i>)	wandering daisy
<i>Erigeron linearis</i>	lineleaf fleabane
<i>Erythronium grandiflorum</i>	glacier lily
<i>Juniperus communis</i>	mountain juniper
<i>Larix occidentalis</i>	western larch
<i>Lewisia tweedyi</i> (<i>Cistanthe tweedyi</i>)	Tweedy's lewisia
<i>Lonicera involucrata</i>	black twinberry
<i>Lupinus latifolius</i> var. <i>latifolius</i>	broadleaf lupine
<i>Luzula</i> sp.	woodrush
<i>Pedicularis contorta</i> var. <i>contorta</i>	white coiled beak lousewort
<i>Penstemon confertus</i>	yellow penstemon
<i>Phleum alpinum</i>	alpine timothy
<i>Phlox hoodii</i>	Hood's phlox
<i>Polemonium pulcherrimum</i>	showy Jacob's-ladder
<i>Silene</i> cf. <i>parryi</i> . Petals yellowish green, possibly > 2-lobed	Parry's catchfly
<i>Taraxacum officinale</i> *	common dandelion
<i>Vaccinium scoparium</i>	grouseberry
<i>Valeriana sitchensis</i>	Sitka valerian

Sandy area below Mission Peak on Rd 9712

R=Rare Care trip, J. Arnett, J. Youngman, R. Ramsden 26July2009.

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies lasiocarpa</i>	subalpine fir
<i>Achillea millefolium</i>	common yarrow
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Artemisia tridentata</i> ssp. <i>vasayana</i>	mountain big sagebrush
<i>Astragalus whitneyi</i>	Whitney's milkvetch
<i>Bromus tectorum</i>	cheatgrass
<i>Carex geyeri</i>	elk sedge
<i>Castilleja miniata</i>	scarlet Indian-paintbrush
<i>Chaenactis ramosa</i> (included in <i>C. douglasii</i> on WFC)	branching chaenactis
<i>Crepis</i> sp.	hawksbeard
<i>Elymus elymoides</i> (<i>Sitanion hystrix</i>)	squirreltail
<i>Eriogonum umbellatum</i> var. <i>hypoleum</i>	sulfur flower
<i>Hieracium scouleri</i> (<i>Hieracium albertinum</i>)	Scouler's hawkweed
<i>Ipomopsis aggregata</i>	firecracker
<i>Ivesia gordonia</i>	alpine mousetail
<i>Koeleria macrantha</i> (<i>K. cristata</i>)	prairie Koeler's grass
<i>Lupinus</i> cf. <i>sericeus</i> var. <i>fikeranus</i> , keys to <i>L. wyethei</i>	silky lupine
<i>Mentzelia albicaulis</i> (Icicle plants with ovale acute bracts)	small-flowered mentzelia
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Phlox hoodii</i>	Hood's phlox
<i>Pinus albicaulis</i>	whitebark pine
<i>Poa secunda</i> (see subspecies)	Sandberg's bluegrass

Sandstone overlook on Rd 9712, *Valeriana columbiana* site; R=Rare Care trip, J. Arnett, J. Youngman, R. Ramsden 26July2009

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies lasiocarpa</i>	subalpine fir
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Eremogone capillaris</i> var. <i>americana</i> (<i>Arenaria capillaris</i> var. <i>americana</i>)	fescue sandwort
<i>Lewisia rediviva</i>	bitterroot
<i>Lomatium cuspidatum</i>	Wenatchee desert parsley
<i>Monardella odoratissima</i> var. <i>discolor</i>	mountain monardella
<i>Penstemon confertus</i>	yellow penstemon
<i>Pinus albicaulis</i>	whitebark pine
<i>Pinus contorta</i>	lodgepole pine
<i>Pinus ponderosa</i>	ponderosa pine
<i>Sedum lanceolatum</i> var. <i>lanceolatum</i>	lanceleaved stonecrop
<i>Valeriana columbiana</i>	Wenatchee valerian

Open West slope on Rd 9712

Rare Care trip, J. Arnett, J. Youngman, R. Ramsden 26July2009

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Achillea millefolium</i>	common yarrow
<i>Arctostaphylos nevadensis</i>	pinemat manzanita
<i>Delphinium lineapetalum</i>	thin-petal larkspur
<i>Eriogonum compositum</i> var. <i>leianthum</i>	northern buckwheat
<i>Eriogonum umbellatum</i> var. <i>hypoleum</i>	sulfur flower
<i>Galium multiflorum</i>	shrubby bedstraw
<i>Ipomopsis aggregata</i>	firecracker
<i>Leptosiphon nuttallii</i> (<i>Linanthes nuttallii</i>)	Nuttall's linanthus
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Monardella odoratissima</i> var. <i>discolor</i>	mountain monardella
<i>Orobanche fasciculata</i>	clustered broomrape
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Taraxacum officinale</i> *	common dandelion

Wet meadow on Rd 9712 at hairpin turn on the approach to Mission Peak from the west; Rare Care trip, J. Arnett, J. Youngman, R. Ramsden 26July2009

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Achillea millefolium</i>	common yarrow
<i>Aconitum columbianum</i>	Columbian monkshood
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Arnica parryi</i>	nodding arnica
<i>Cirsium edule</i> var. <i>macounii</i>	Macoun's thistle
<i>Cirsium edule</i> var. <i>wenatchense</i>	Wenatchee thistle
<i>Delphinium glaucum</i>	pale larkspur
<i>Erigeron glacialis</i> var. <i>glacialis</i> (<i>E. peregrinus</i>)	wandering daisy
<i>Erythranthe guttata</i> (<i>Mimulus guttatus</i>)	yellow monkeyflower
<i>Erythranthe lewisii</i> (<i>Mimulus lewisii</i>)	purple monkeyflower
<i>Lupinus polyphyllus</i> (see varieties)	largeleaved lupine
<i>Micranthes odontoloma</i> (<i>Saxifraga arguta, punctata</i>)	brook saxifrage
<i>Osmorhiza occidentalis</i>	western sweet cicely
<i>Platanthera dilatata</i>	white rein orchid
<i>Ranunculus uncinatus</i>	little buttercup
<i>Thalictrum occidentale</i>	western meadow-rue
<i>Valeriana sitchensis</i>	Sitka valerian
<i>Veratrum californicum</i>	California false hellebore

Howard Creek Trail to Grouse Springs

Rare Care trip, P. Slichter, W. Gibble, S. Wheaton 25July2009

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies grandis</i>	grand fir
<i>Abies lasiocarpa</i>	subalpine fir
<i>Abies procera</i>	noble fir
<i>Acer glabrum</i> var. <i>douglasii</i>	Douglas maple
<i>Achillea millefolium</i>	common yarrow
<i>Aconitum columbianum</i>	Columbian monkshood
<i>Actaea rubra</i>	baneberry
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Agoseris</i> cf <i>lackschewitzii</i>	pink agoseris
<i>Agoseris elata</i>	tall agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Alnus rubra</i>	red alder
<i>Alopecurus</i> sp. *	foxtail
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Anaphalis margaritacea</i>	pearly everlasting
<i>Angelica arguta</i>	sharp-tooth angelica
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Aquilegia formosa</i>	columbine
<i>Arctostaphylos nevadensis</i>	pinemat manzanita
<i>Arnica</i> cf <i>sororia</i>	twin arnica
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Arnica latifolia</i>	broadleaf arnica
<i>Arnica mollis</i>	hairy arnica
<i>Arnica parryi</i>	nodd ing arnica
<i>Artemisia ludoviciana</i>	western mugwort
<i>Artemisia michauxiana</i>	Michaux's mugwort
<i>Artemisia tridentata</i>	tall sagebrush
<i>Balsamorhiza sagittata</i>	arrow-leaf balsamroot
<i>Berberis aquifolium</i>	tall Oregon grape
<i>Boechera</i> (<i>Arabis holboellii</i> , in part, misapplied)	rockcross
<i>Boechera pauciflora</i> (<i>Arabis sparsiflora</i>)	rockcross
<i>Bromus</i> sp.	brome
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Calamagrostis rubescens</i>	pine grass
<i>Canadanthus modestus</i> (<i>Aster modestus</i>)	few flowered aster
<i>Cardamine cordifolia</i>	heartleaf cardamine
<i>Carex geyeri</i>	elk sedge
<i>Castilleja miniata</i>	scarlet Indian-paintbrush
<i>Castilleja tenuis</i> (<i>Orthocarpus hispidus</i>)	owlclover
<i>Ceanothus velutinus</i> var. <i>velutinus</i>	snowbrush
<i>Chaenactis douglasia</i>	dustymaidens
<i>Chaenactis ramosa</i> (included in <i>C. douglasii</i> on WFC)	branching chaenactis
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fireweed
<i>Cheilanthes gracillima</i>	lace lip-fern
<i>Chimaphila menziesii</i>	little prince's-pine
<i>Chimaphila umbellata</i>	pipsissewa
<i>Circea alpina</i>	enchanter's nightshade
<i>Cirsium arvense</i> *	Canada thistle
<i>Clarkia rhomboidea</i>	diamond ferryfan
<i>Clematis occidentalis</i> var. <i>dissecta</i> (<i>Clematis columbiana</i> var. <i>dissecta</i>)	Columbia clematis
<i>Clematis occidentalis</i> var. <i>grosseserrata</i>	Columbia clematis

<i>Collinsia parviflora</i>	small-flowered blue-eyed Mary
<i>Collomia linearis</i>	narrow-leaf collomia
<i>Collomia tinctoria</i>	yellow-staining collomia
<i>Cryptantha</i> sp.	cryptantha
<i>Cymopterus terebinthinus</i>	turpentine cymopteris
<i>Cystopteris fragilis</i>	fragile fern
<i>Dactylis glomerata</i> *	orchardgrass
<i>Delphinium distichum</i> (<i>D. burkei</i>)	two-spike larkspur
<i>Delphinium glaucum</i>	pale larkspur
<i>Delphinium multiplex</i>	Kittitas larkspur
<i>Delphinium nuttallianum</i>	upland larkspur
<i>Descurainia incisa</i>	tansymustard
<i>Dodecatheon dentatum</i>	white shootingstar
<i>Drymocallis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil
<i>Elymus elymoides</i> (<i>Sitanion hystrix</i>)	squirreltail
<i>Epilobium brachycarpum</i>	autumn willow-herb
<i>Epilobium halleanum</i> (<i>E. glandulosum</i> , in part)	common willow-herb
<i>Equisetum arvense</i>	common horsetail
<i>Eremogone capillaris</i> var. <i>americana</i> (<i>Arenaria capillaris</i> var. <i>americana</i>)	fescue sandwort
<i>Erigeron</i> cf. <i>acris</i> var. <i>debilis</i>	northern daisy
<i>Erigeron compositus</i> var. <i>glabratus</i>	dwarf mountain fleane
<i>Erigeron glacialis</i> var. <i>glacialis</i> (<i>E. peregrinus</i>)	wandering daisy
<i>Erigeron linearis</i>	lineleaf fleabane
<i>Erigeron speciosus</i>	showy fleabane
<i>Eriogonum compositum</i> var. <i>leianthum</i>	northern buckwheat
<i>Eriogonum elatum</i>	tall buckwheat
<i>Eriogonum heracleoides</i>	parsnip-flowered buckwheat
<i>Eriogonum umbellatum</i> var. <i>hypoleum</i>	sulfur flower
<i>Erythranthe breweri</i> (<i>Mimulus breweri</i>)	Brewer's monkeyflower
<i>Erythranthe</i> cf. <i>breviflora</i> (<i>Mimulus breviflorus</i>)	monkeyflower
<i>Erythranthe guttata</i> (<i>Mimulus guttatus</i>)	yellow monkeyflower
<i>Erythranthe lewisii</i> (<i>Mimulus lewisii</i>)	purple monkeyflower
<i>Erythranthe moschata</i> (<i>Mimulus moschatus</i>)	musk-flowered monkeyflower
<i>Erythronium grandiflorum</i>	glacier lily
<i>Eucephalus engelmannii</i> (<i>Aster engelmannii</i>)	Engelmann's aster
<i>Festuca</i> sp.	fescue
<i>Fragaria virginiana</i> spp. <i>platypetala</i>	woods strawberry
<i>Fritillaria pudica</i>	yellowbells
<i>Galium triflorum</i>	fragrant bedstraw
<i>Gayophytum diffusum</i>	groundsmoke
<i>Geum macrophyllum</i> var. <i>macrophyllum</i>	large-leaved avens
<i>Geum triflorum</i>	prairie smoke
<i>Gnaphalium palustre</i>	lowland cudweed
<i>Goodyera oblongifolia</i>	western rattlesnake orchid
<i>Hackelia micrantha</i>	blue stickseed
<i>Heracleum maximum</i> (<i>Heracleum lanatum</i>)	cow-parsnip
<i>Heterocodon rariflorum</i>	western pearlflower
<i>Heuchera cylindrica</i>	alumroot
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Hieracium scouleri</i> (<i>Hieracium albertinum</i>)	Scouler's hawkweed
<i>Hieracium triste</i> (<i>H. gracile</i>)	slender hawkweed
<i>Holodiscus discolor</i>	ocean spray
<i>Hydrophyllum fendleri</i> var. <i>albifrons</i>	Fendler's waterleaf
<i>Hydrophyllum tenuipes</i>	Pacific waterleaf
<i>Ipomopsis aggregata</i>	firecracker
<i>Iris missouriensis</i>	western blue flag

<i>Juncus ensifolius</i>	dagger-leaf rush
<i>Juncus</i> sp.	rush
<i>Juniperus communis</i>	mountain juniper
<i>Larix occidentalis</i>	western larch
<i>Lathyrus lanszwertii</i>	thick-leaved peavine
<i>Lathyrus nevadensis</i> var. <i>puniceus</i>	Sierran peavine
<i>Leptosiphon harknessii</i> (<i>Linanthus harknessii</i>)	Harkness' linanthus
<i>Ligusticum grayi</i>	Gray's lovage
<i>Lithospermum ruderale</i>	Columbia puccoon
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Lomatium triternatum</i> (see varieties)	nine-leaf lomatium
<i>Lonicera involucrata</i>	black twinberry
<i>Lupinus arbustus</i>	spurred lupine
<i>Lupinus latifolius</i> var. <i>latifolius</i>	broadleaf lupine
<i>Lupinus polyphyllus</i> (see varieties)	largeleaved lupine
<i>Luzula hitchcockii</i>	smooth woodrush
<i>Luzula</i> sp.	woodrush
<i>Madia glomerata</i>	tarweed
<i>Madia gracilis</i>	tarweed
<i>Maianthemum racemosum</i> (<i>Smilacina racemosa</i>)	western solomon's-seal
<i>Micranthes odontoloma</i> (<i>Saxifraga arguta, punctata</i>)	brook saxifrage
<i>Microseris nutans</i>	nodding microseris
<i>Microsteris gracilis</i> (<i>Phlox gracilis</i>)	pink microsteris
<i>Mitella pentandra</i>	alpine mitrewort
<i>Mitella trifida</i>	three-toothed mitrewort
<i>Moehringia macrophylla</i> (<i>Arenaria macrophylla</i>)	big-leaf sandwort
<i>Monardella odoratissima</i> var. <i>discolor</i>	mountain monardella
<i>Moneses uniflora</i>	single-delight
<i>Navarretia intertexta</i> var. <i>propinqua</i>	needle-leaf navarettia
<i>Navarretia</i> sp.	navarettia
<i>Orthilia secunda</i>	one-sided pyrola
<i>Osmorhiza occidentalis</i>	western sweet cicely
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Pedicularis racemosa</i>	sickletop lousewort
<i>Penstemon confertus</i>	yellow penstemon
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Perideridia gairdneri</i>	yampah
<i>Petasites frigidus</i> (see varieties)	coltsfoot
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Phacelia procera</i>	tall scorpion-weed
<i>Philadelphus lewisii</i>	mock-orange
<i>Picea engelmanni</i>	Engelmann spruce
<i>Pinus contorta</i>	lodgepole pine
<i>Pinus ponderosa</i>	ponderosa pine
<i>Piperia unalascensis</i>	Alaska rein orchid
<i>Plagiobothrys scouleri</i>	Scouler's popcorn flower
<i>Platanthera dilatata</i>	white rein orchid
<i>Platanthera stricta</i>	slender bog orchid
<i>Poa bulbosa</i> ssp. <i>vivipara</i> *	bulbous bluegrass
<i>Polemonium californicum</i> (<i>P. pulcherrimum</i> var. <i>calycinum</i>)	low Jacob's-ladder
<i>Polemonium occidentale</i>	western polemonium
<i>Polygonum douglasii</i>	Douglas' knotweed
<i>Polygonum polygaloides</i> ssp. <i>kelloggii</i>	white-margined knotweed
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	black cottonwood
<i>Populus tremuloides</i>	quaking aspen
<i>Potentilla arguta</i> var. <i>convallaria</i>	tall cinquefoil

<i>Potentilla gracilis</i> var. <i>flabelliformis</i>	Idaho cinquefoil
<i>Prunus emarginata</i>	bitter cherry
<i>Pseudoroegneria spicata</i> (<i>Agropyron spicatum</i>)	bluebunch wheatgrass
<i>Pseudostellaria jamesiana</i> (<i>Stellaria jamesiana</i>)	sticky starwort
<i>Pterospora andromedea</i>	pinedrops
<i>Ranunculus</i> cf. <i>orthorhynchus</i> : pl > 1 m, long slightly bent beak	straight-beak buttercup
<i>Ranunculus uncinatus</i>	little buttercup
<i>Ribes hudsonianum</i>	Hudson Bay currant
<i>Ribes lacustre</i>	prickly current
<i>Ribes viscosissimum</i>	sticky current
<i>Rosa gymnocarpa</i>	baldhip rose
<i>Rosa nutkana</i> var. <i>hispida</i>	Nootka rose
<i>Rubus parviflorus</i>	thimbleberry
<i>Rumex acetosella</i> *	sheep sorrel
<i>Rumex crispus</i> *	sour dock
<i>Salix scouleriana</i>	Scouler's willow
<i>Sambucus nigra</i> ssp. <i>cerulea</i> (<i>S. cerulea</i>)	blue elderberry
<i>Sambucus racemosa</i> var. <i>melanocarpa</i>	black elderberry
<i>Sanicula graveolens</i>	Sierran black-snakeroot
<i>Scirpus microcarpus</i>	small-fruited bullrush
<i>Sedum lanceolatum</i> var. <i>lanceolatum</i>	lanceleaved stonecrop
<i>Sedum stenopetalum</i> (see varieties)	wormleaf stonecrop
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Senecio serra</i> var. <i>serra</i>	butterweed groundsel
<i>Senecio triangularis</i>	arrowleaf groundsel
<i>Shepherdia canadensis</i>	soopolallie
<i>Sidalcea oregana</i> var. <i>procera</i>	Oregon checkermallow
<i>Silene menziesii</i> (some flowers to 10 mm across in Tumwater Canyon)	Menzies' catchfly
<i>Silene parryi</i>	Parry's catchfly
<i>Solidago lepida</i> var. <i>salebrosa</i> (<i>S. canadensis</i> var. <i>salebrosa</i>)	goldenrod
<i>Solidago simplex</i> var. <i>nana</i> (<i>S. spathulata</i> var. <i>nana</i>)	dwarf goldenrod
<i>Spergularia rubra</i> *	red sandspurry
<i>Spiraea lucida</i> (<i>S. betulifolia</i>)	shiny-leaf spiraea
<i>Stellaria longipes</i> ssp. <i>longipes</i>	longstalked sandwort
<i>Stellaria</i> sp.	sandwort
<i>Streptopus amplexifolius</i>	claspleaf twisted-stalk
<i>Symphoricarpos albus</i>	common snowberry
<i>Symphoricarpos mollis</i> var. <i>hesperius</i>	creeping snowberry
<i>Symphoricarpos oreophilus</i>	mountain snowberry
<i>Taraxacum officinale</i> *	common dandelion
<i>Thalictrum occidentale</i>	western meadow-rue
<i>Tragopogon dubius</i> *	salsify
<i>Trifolium longipes</i> ssp. <i>longipes</i>	longstalked clover
<i>Trifolium</i> sp.	clover
<i>Trollius albiflorus</i>	western globeflower
<i>Urtica dioica</i>	stinging nettle
<i>Vaccinium scoparium</i>	grouseberry
<i>Valeriana sitchensis</i>	Sitka valerian
<i>Veratrum californicum</i>	California false hellebore
<i>Verbascum thapsus</i> *	common mullein
<i>Veronica americana</i>	American speedwell
<i>Veronica</i> sp.	speedwell
<i>Veronica wormskjoldii</i>	Wormskiold's speedwell
<i>Vicia americana</i> var. <i>americana</i>	American vetch
<i>Viola glabella</i>	pioneer violet
<i>Viola orbiculata</i>	round-leaved violet
<i>Viola palustris</i>	marsh violet
<i>Zigadenus venenosus</i>	death-camas

Rd 3521 Just E of Table Mtn

Rare Care trip, P. Slichter, E. Kuhlmann, B. Wendling 26July2009

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Achillea millefolium</i>	common yarrow
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Allium douglasii</i>	Douglas onion
<i>Antennaria luzuloides</i>	woodrush pussy-toes
<i>Arnica mollis</i>	hairy arnica
<i>Artemisia tridentata</i> ssp. <i>vasayana</i>	mountain big sagebrush
<i>Boechera pauciflora</i> (<i>Arabis sparsiflora</i>)	rockcress
<i>Bromus inermis</i> *	smooth brome
<i>Cirsium arvense</i> *	Canada thistle
<i>Danthonia unispicata</i>	one-spike oatgrass
<i>Delphinium lineapetalum</i>	thin-petal larkspur
<i>Delphinium multiplex</i>	Kittitas larkspur
<i>Elymus elymoides</i> (<i>Sitanion hystrix</i>)	squirreltail
<i>Erigeron eatonii</i>	Eaton's shaggy fleabane
<i>Erigeron glacialis</i> var. <i>glacialis</i> (<i>E. peregrinus</i>)	wandering daisy
<i>Erythranthe moschata</i> (<i>Mimulus moschatus</i>)	musk-flowered monkeyflower
<i>Erythronium grandiflorum</i>	glacier lily
<i>Fritillaria pudica</i>	yellowbells
<i>Hackelia micrantha</i>	blue stickseed
<i>Hieracium scouleri</i> (<i>Hieracium albertinum</i>)	Scouler's hawkweed
<i>Ligusticum grayi</i>	Gray's lovage
<i>Lomatium triternatum</i> (<i>see varieties</i>)	nine-leaf lomatium
<i>Lupinus polyphyllus</i> (<i>see varieties</i>)	largeleaved lupine
<i>Madia glomerata</i>	tarweed
<i>Osmorhiza occidentalis</i>	western sweet cicely
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Potentilla gracilis</i> var. <i>flabelliformis</i>	Idaho cinquefoil
<i>Pyrrocoma hirta</i> var. <i>sonchifolia</i>	sticky goldenweed
<i>Ranunculus orthorynchus</i> (<i>see varieties</i>)	straight-beak buttercup
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Sidalcea oregana</i> var. <i>procera</i>	Oregon checkermallow
<i>Stenotus lanuginosus</i> (<i>Happlopappua</i>)	woolly goldenweed
<i>Symphotrichum foliaceum</i> (<i>Aster foliaceus</i>)	leafy aster
<i>Trifolium longipes</i> ssp. <i>longipes</i>	longstalked clover
<i>Veratrum californicum</i>	California false hellebore
<i>Vicia americana</i> var. <i>americana</i>	American vetch

Rd 3521 SE1/4 of S14

Rare Care trip, P. Slichter, E. Kuhlmann, B. Wendling 26July2009

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies lasiocarpa</i>	subalpine fir
<i>Achillea millefolium</i>	common yarrow
<i>Achnatherum</i> or <i>Heterostipa</i> species	needle-and-thread
<i>Allium douglasii</i>	Douglas onion
<i>Arnica</i> cf <i>sororia</i>	twin arnica
<i>Boechera pauciflora</i> (<i>Arabis sparsiflora</i>)	rockcress
<i>Bromus inermis</i> *	smooth brome
<i>Camassia quamash</i>	common camas
<i>Castilleja tenuis</i> (<i>Orthocarpus hispidus</i>)	owlclover
<i>Collomia linearis</i>	narrow-leaf collomia
<i>Danthonia californica</i>	California oatgrass
<i>Danthonia unispicata</i>	one-spike oatgrass
<i>Delphinium lineapetalum</i>	thin-petal larkspur
<i>Delphinium multiplex</i>	Kittitas larkspur
<i>Elymus elymoides</i> (<i>Sitanion hystrix</i>)	squirreltail
<i>Erythronium grandiflorum</i>	glacier lily
<i>Gayophytum diffusum</i>	groundsmoke
<i>Gnaphalium palustre</i>	lowland cudweed
<i>Hydrophyllum capitatum</i> var. <i>capitatum</i>	ballhead waterleaf
<i>Juncus</i> sp.	rush
<i>Leptosiphon harknessii</i> (<i>Linanthus harknessii</i>)	Harkness' linanthus
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Lomatium triternatum</i> (see varieties)	nine-leaf lomatium
<i>Lupinus arbustus</i>	spurred lupine
<i>Madia glomerata</i>	tarweed
<i>Navarretia</i> sp.	navarettia
<i>Olsynium douglasii</i>	grass widows
<i>Perideridia gairdneri</i>	yampah
<i>Phacelia hastata</i> var. <i>hastata</i> (<i>P. leptosepala</i> ?)	whiteleaf phacelia
<i>Pinus contorta</i>	lodgepole pine
<i>Polygonum douglasii</i>	Douglas' knotweed
<i>Polygonum polygaloides</i> ssp. <i>kelloggii</i>	white-margined knotweed
<i>Potentilla breweri</i>	Brewer's cinquefoil
<i>Pyrrocoma hirta</i> var. <i>sonchifolia</i>	sticky goldenweed
<i>Ribes watsonianum</i>	spring gooseberry
<i>Rumex</i> sp.	dock
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Sidalcea oregana</i> var. <i>procera</i>	Oregon checkermallow
<i>Symphotrichum foliaceum</i> (<i>Aster foliaceus</i>)	leafy aster
<i>Trifolium longipes</i> ssp. <i>longipes</i>	longstalked clover
<i>Veratrum californicum</i>	California false hellebore

Rd 3521 E side of High Creek

Rare Care trip, P. Slichter, E. Kuhlmann, B. Wendling 26July2009

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies lasiocarpa</i>	subalpine fir
<i>Achillea millefolium</i>	common yarrow
<i>Achnatherum</i> or <i>Heterostipa</i> species	needle-and-thread
<i>Aconitum columbianum</i>	Columbian monkshood
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Agoseris elata</i>	tall agoseris
<i>Allium macrum?</i>	rock onion
<i>Angelica arguta</i>	sharp-tooth angelica
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Arnica latifolia</i>	broadleaf arnica
<i>Arnica mollis</i>	hairy arnica
<i>Artemisia tridentata</i> ssp. <i>vasayana</i>	mountain big sagebrush
<i>Bistorta bistortoides</i> (<i>Polygonum bistortoides</i>)	western bistort
<i>Bromus inermis</i> *	smooth brome
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Cardamine cordifolia</i>	heartleaf cardamine
<i>Carex</i> sp.	sedge
<i>Claytonia cordifolia</i>	heartleaf springbeauty
<i>Claytonia lanceolata</i>	spring beauty
<i>Cordylanthus capitatus</i>	Yakima bird's-beak
<i>Cryptantha</i> sp.	cryptantha
<i>Danthonia unispicata</i>	one-spike oatgrass
<i>Delphinium lineapetalum</i>	thin-petal larkspur
<i>Delphinium multiplex</i>	Kittitas larkspur
<i>Dodecatheon dentatum</i>	white shootingstar
<i>Dodecatheon</i> sp.	shootingstar
<i>Elymus elymoides</i> (<i>Sitanion hystrix</i>)	squirreltail
<i>Epilobium brachycarpum</i>	autumn willow-herb
<i>Erigeron eatonii</i>	Eaton's shaggy fleabane
<i>Erigeron speciosus</i>	showy fleabane
<i>Eriogonum douglasii</i> var. <i>douglasii</i>	Douglas' buckwheat
<i>Eriogonum umbellatum</i> var. <i>hypoleum</i>	sulfur flower
<i>Erythranthe breweri</i> (<i>Mimulus breweri</i>)	Brewer's monkeyflower
<i>Erythranthe lewisii</i> (<i>Mimulus lewisii</i>)	purple monkeyflower
<i>Erythronium grandiflorum</i>	glacier lily
<i>Festuca idahoensis</i>	Idaho fescue
<i>Fragaria virginiana</i> spp. <i>platypetala</i>	woods strawberry
<i>Fritillaria pudica</i>	yellowbells
<i>Gayophytum diffusum</i>	groundsmoke
<i>Geum triflorum</i>	prairie smoke
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Hieracium scouleri</i> (<i>Hieracium albertinum</i>)	Scouler's hawkweed
<i>Juncus mertensianus</i>	Merten's rush
<i>Juncus</i> sp.	rush
<i>Lathyrus nevadensis</i> var. <i>puniceus</i>	Sierran peavine
<i>Ligusticum grayi</i>	Gray's lovage
<i>Lomatium triternatum</i> (see varieties)	nine-leaf lomatium
<i>Lupinus latifolius</i> var. <i>latifolius</i>	broadleaf lupine
<i>Lupinus polyphyllus</i> (see varieties)	largeleaved lupine
<i>Luzula hitchcockii</i>	smooth woodrush
<i>Luzula</i> sp.	woodrush
<i>Madia glomerata</i>	tarweed

<i>Micranthes nidifica</i>	saxifrage
<i>Micranthes ondontoloma</i> (<i>Saxifraga arguta</i> , <i>punctata</i>)	brook saxifrage
<i>Microsteris gracilis</i> (<i>Phlox gracilis</i>)	pink microsteris
<i>Monardella odoratissima</i> var. <i>discolor</i>	mountain monardella
<i>Moneses uniflora</i>	single-delight
<i>Navarretia breweri</i> ?	yellow pincushion-plant
<i>Navarretia divaricata</i>	mountain navaretia
<i>Olsynium douglasii</i>	grass widows
<i>Orthilia secunda</i>	one-sided pyrola
<i>Osmorhiza occidentalis</i>	western sweet cicely
<i>Packera streptanthifolia</i> (<i>Senecio streptanthifolius</i>)	Rocky Mountain groundsel
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Pedicularis racemosa</i>	sickletop lousewort
<i>Penstemon confertus</i>	yellow penstemon
<i>Perideridia gairdneri</i>	yampah
<i>Phacelia hastata</i> var. <i>hastata</i> (<i>P. leptosepala</i> ?)	whiteleaf phacelia
<i>Phleum</i> sp.	timothy
<i>Phoenicaulis cheiranthoides</i>	daggerpod
<i>Picea engelmanni</i>	Engelmann spruce
<i>Pinus contorta</i>	lodgepole pine
<i>Platanthera stricta</i>	slender bog orchid
<i>Polygonum douglasii</i>	Douglas' knotweed
<i>Polygonum polygaloides</i> ssp. <i>confertiflorum</i>	close-flowered knotweed
<i>Polygonum</i> sp.	knotweed
<i>Populus tremuloides</i>	quaking aspen
<i>Potentilla breweri</i>	Brewer's cinquefoil
<i>Potentilla gracilis</i> var. <i>flabelliformis</i>	Idaho cinquefoil
<i>Pseudoroegneria spicata</i> (<i>Agropyron spicatum</i>)	bluebunch wheatgrass
<i>Pyrrocoma hirta</i> var. <i>sonchifolia</i>	sticky goldenweed
<i>Ranunculus alismifolius</i> var. <i>alismellus</i>	plantain-leaved buttercup
<i>Ranunculus orthorynchus</i> (see varieties)	straight-beak buttercup
<i>Ribes viscosissimum</i>	sticky current
<i>Sedum stenopetalum</i> (see varieties)	wormleaf stonecrop
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Senecio triangularis</i>	arrowleaf groundsel
<i>Sidalcea oregana</i> var. <i>procera</i>	Oregon checkermallow
<i>Stellaria</i> sp.	sandwort
<i>Streptopus amplexifolius</i>	claspleaf twisted-stalk
<i>Symphotrichum foliaceum</i> (<i>Aster foliaceus</i>)	leafy aster
<i>Thalictrum occidentale</i>	western meadow-rue
<i>Trifolium longipes</i> ssp. <i>longipes</i>	longstalked clover
<i>Trifolium macrocephalum</i>	big-headed clover
<i>Trollius albiflorus</i>	western globeflower
<i>Vaccinium scoparium</i>	grouseberry
<i>Valeriana sitchensis</i>	Sitka valerian
<i>Veratrum californicum</i>	California false hellebore
<i>Veronica wormskioldii</i>	Wormskiold's speedwell
<i>Vicia americana</i> var. <i>americana</i>	American vetch

Upper Naneum and Owl Creek

Rare Care trip, E. Kuhlmann, B. Wendling, T. Thomas, K. Van Norman

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies grandis</i>	grand fir
<i>Achillea millefolium</i>	common yarrow
<i>Achnatherum</i> or <i>Heterostipa</i> species	needle-and-thread
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Agoseris</i> cf <i>lackschewitzii</i>	pink agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Allium acuminatum</i>	taper tip onion
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Angelica arguta</i>	sharp-tooth angelica
<i>Angelica canbyi</i>	Canby's angelica
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Aquilegia formosa</i>	columbine
<i>Arctostaphylos nevadensis</i>	pinemat manzanita
<i>Arnica latifolia</i>	broadleaf arnica
<i>Artemisia tridentata</i>	tall sagebrush
<i>Balsamorhiza sagittata</i>	arrow-leaf balsamroot
<i>Bromus inermis</i> *	smooth brome
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Calamagrostis rubescens</i>	pinegrass
<i>Carex geyeri</i>	elk sedge
<i>Carex hoodii</i>	Hood's sedge
<i>Carex rossii</i>	Ross' sedge
<i>Castilleja miniata</i>	scarlet Indian-paintbrush
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fireweed
<i>Chimaphila umbellata</i>	pipsissewa
<i>Collinsia parviflora</i>	small-flowered blue-eyed Mary
<i>Collomia linearis</i>	narrow-leaf collomia
<i>Collomia tenella</i>	diffuse collomia
<i>Delphinium lineapetalum</i>	thin-petal larkspur
<i>Delphinium multiplex</i>	Kittitas larkspur
<i>Dodecatheon pulchellum</i> var. <i>pulchellum</i>	dark-throat shooting star
<i>Drymocallis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil
<i>Epilobium lactiflorum</i>	white-flower willowherb
<i>Epilobium minutum</i>	small-flowered willowherb
<i>Eremogone capillaris</i> var. <i>americana</i> (<i>Arenaria capillaris</i> var. <i>americana</i>)	fescue sandwort
<i>Eriogonum umbellatum</i> var. <i>hypoleum</i>	sulfur flower
<i>Erythranthe lewisii</i> (<i>Mimulus lewisii</i>)	purple monkeyflower
<i>Erythranthe moschata</i> (<i>Mimulus moschatus</i>)	musk-flowered monkeyflower
<i>Erythronium grandiflorum</i>	glacier lily
<i>Fragaria virginiana</i> spp. <i>platypetala</i>	woods strawberry
<i>Geum macrophyllum</i> var. <i>macrophyllum</i>	large-leaved avens
<i>Geum triflorum</i>	prairie smoke
<i>Grindelia nana</i>	low gumweed
<i>Hackelia micrantha</i>	blue stickseed
<i>Hieracium albiflorum</i>	white-flowered hawk weed
<i>Holodiscus discolor</i>	ocean spray
<i>Juniperus communis</i>	mountain juniper
<i>Lewisia columbiana</i>	Columbia lewisia
<i>Lewisia tweedyi</i> (<i>Cistanthe tweedyi</i>)	Tweedy's lewisia
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Lomatium triternatum</i> (see varieties)	nine-leaf lomatium

<i>Lonicera involucrata</i>	black twinberry
<i>Lupinus wyethii</i>	Wyeth's lupine
<i>Micranthes ondontoloma</i> (<i>Saxifraga arguta</i> , <i>punctata</i>)	brook saxifrage
<i>Microseris nutans</i>	nodding microseris
<i>Microsteris gracilis</i> (<i>Phlox gracilis</i>)	pink microsteris
<i>Mitella pentandra</i>	alpine mitrewort
<i>Moehringia macrophylla</i> (<i>Arenaria macrophylla</i>)	big-leaf sandwort
<i>Orthilia secunda</i>	one-sided pyrola
<i>Orthocarpus</i> sp.	owlclover
<i>Osmorhiza purpurea</i>	purple sweet-cicely
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Pedicularis racemosa</i>	sickletop lousewort
<i>Penstemon confertus</i>	yellow penstemon
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Phlox speciosa</i> (see subspecies)	showy phlox
<i>Picea engelmanni</i>	Engelmann spruce
<i>Pinus albicaulis</i>	whitebark pine
<i>Pinus contorta</i>	lodgepole pine
<i>Piptatherum exiguum</i> (<i>Oryzopsis exigua</i>)	little mountain ricegrass
<i>Poa</i> sp.	bluegrass
<i>Polemonium pulcherrimum</i>	showy Jacob's-ladder
<i>Polygonum douglasii</i>	Douglas' knotweed
<i>Pyrola asarifolia</i>	pink pyrola
<i>Salix scouleriana</i>	Scouler's willow
<i>Sambucus nigra</i> ssp. <i>cerulea</i> (<i>S. cerulea</i>)	blue elderberry
<i>Sanicula graveolens</i>	Sierran black-snakeroot
<i>Sedum lanceolatum</i> var. <i>lanceolatum</i>	lanceleaved stonecrop
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Senecio triangularis</i>	arrowleaf groundsel
<i>Taraxacum officinale</i> *	common dandelion
<i>Thalictrum venulosum</i>	veiny-leaf meadow-rue
<i>Thinopyrum intermedium</i> (<i>Agropyron intermedium</i>)	intermediate wheatgrass
<i>Tragopogon dubius</i> *	salsify
<i>Trifolium longipes</i> ssp. <i>longipes</i>	longstalked clover
<i>Urtica dioica</i>	stinging nettle
<i>Vaccinium scoparium</i>	grouseberry
<i>Valeriana sitchensis</i>	Sitka valerian
<i>Veratrum californicum</i>	California false hellebore
<i>Veronica serpyllifolia</i>	thyme-leaved speedwell
<i>Vicia americana</i> var. <i>americana</i>	American vetch
<i>Vicia</i> sp.	vetch
<i>Viola glabella</i>	pioneer violet
<i>Viola orbiculata</i>	round-leaved violet
<i>Woodsia oregana</i> ssp. <i>oregana</i>	western cliff fern
<i>Zigadenus venenosus</i> var. <i>venenosus</i>	death-camas

Lower Naneum Meadows

Rare Care trip, E. Kuhlmann, B. Wendling, T. Thomas, K. Van Norman 2009

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies lasiocarpa</i>	subalpine fir
<i>Achillea millefolium</i>	common yarrow
<i>Aconitum columbianum</i>	Columbian monkshood
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Agoseris elata</i>	tall agoseris
<i>Agrostis</i> sp.	bentgrass
<i>Angelica canbyi</i>	Canby's angelica
<i>Arnica mollis</i>	hairy arnica
<i>Arnica parryi</i>	nodding arnica
<i>Bistorta bistortoides</i> (<i>Polygonum bistortoides</i>)	western bistort
<i>Bromus</i> sp.	brome
<i>Calamagrostis rubescens</i>	pinegrass
<i>Carex</i> sp.	sedge
<i>Collomia linearis</i>	narrow-leaf collomia
<i>Drymocallis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil
<i>Erigeron</i> sp.	daisy
<i>Festuca idahoensis</i>	Idaho fescue
<i>Fragaria virginiana</i> spp. <i>platypetala</i>	woods strawberry
<i>Juniperus communis</i>	mountain juniper
<i>Lupinus polyphyllus</i> (see varieties)	largeleaved lupine
<i>Lupinus wyethii</i>	Wyeth's lupine
<i>Microseris nutans</i>	nodding microseris
<i>Penstemon confertus</i>	yellow penstemon
<i>Penstemon procerus</i> var. <i>procerus</i>	small-flowered penstemon
<i>Phleum pratense</i> *	common timothy
<i>Pinus contorta</i>	lodgepole pine
<i>Platanthera dilatata</i>	white rein orchid
<i>Polemonium</i> sp.	jacob's-ladder
<i>Ranunculus</i> cf. <i>orthorynchus</i> : pl > 1 m, long slightly bent beak	straight-beak buttercup
<i>Senecio hydrophiloides</i>	sweet-marsh butterweed
<i>Senecio</i> sp.	groundsel
<i>Thalictrum venulosum</i>	veiny-leaf meadow-rue
<i>Trifolium longipes</i> ssp. <i>longipes</i>	longstalked clover
<i>Veratrum californicum</i>	California false hellebore
<i>Vicia</i> sp.	vetch

Red Top and the ridge to the north

J. Arnett, 22July2008; Rare Care trip, W.Gibble, S. Reichard, T. Thomas 2009

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies amabilis</i>	silver fir
<i>Abies grandis</i>	grand fir
<i>Abies lasiocarpa</i>	subalpine fir
<i>Acer glabrum</i> var. <i>douglasii</i>	Douglas maple
<i>Achlys triphylla</i>	vanilla-leaf
<i>Aconitum columbianum</i>	Columbian monkshood
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Anaphalis margaritacea</i>	pearly everlasting
<i>Angelica arguta</i>	sharp-tooth angelica
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Aquilegia flavescens</i>	yellow columbine
<i>Aquilegia formosa</i>	columbine
<i>Arctostaphylos nevadensis</i>	pinemat manzanita
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Arnica latifolia</i>	broadleaf arnica
<i>Artemisia michauxiana</i>	Michaux's mugwort
<i>Balsamorhiza sagittata</i>	arrow-leaf balsamroot
<i>Berberis aquifolium</i>	tall Oregon grape
<i>Berberis nervosa</i>	Cascade Oregon-grape
<i>Boechera pauciflora</i> (<i>Arabis sparsiflora</i>)	rockcress
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Calamagrostis rubescens</i>	pinegrass
<i>Canadanthus modestus</i> (<i>Aster modestus</i>)	few flowered aster
<i>Carex geyeri</i>	elk sedge
<i>Castilleja miniata</i>	scarlet Indian-paintbrush
<i>Ceanothus velutinus</i> var. <i>velutinus</i>	snowbrush
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fireweed
<i>Chimaphila umbellata</i>	pipsissewa
<i>Cirsium edule</i> var. <i>wenatchense</i>	Wenatchee thistle
<i>Clematis occidentalis</i> var. <i>grosseserrata</i>	Columbia clematis
<i>Clintonia uniflora</i>	queen's-cup
<i>Collomia linearis</i>	narrow-leaf collomia
<i>Collomia</i> : corolla 20 mm, pink with blue stamens, like pink <i>C. grandiflora</i> or oversized <i>C. linearis</i>	collomia
<i>Corallorhiza maculata</i>	spotted coralroot
<i>Cordylanthus capitatus</i>	Yakima bird's-beak
<i>Crepis</i> sp.	hawksbeard
<i>Cryptantha torreyana</i>	Torrey's cryptantha
<i>Cystopteris fragilis</i>	fragile fern
<i>Dasiphora fruticosa</i> (<i>Potentilla fruticosa</i>)	shrubby cinquefoil
<i>Delphinium nuttallianum</i>	upland larkspur
<i>Drymocallis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil
<i>Elymus elymoides</i> (<i>Sitanion hystrix</i>)	squirreltail
<i>Elymus glaucus</i>	blue wildrye
<i>Epilobium luteum</i>	yellow willowherb
<i>Equisetum</i> sp.	horsetail
<i>Erigeron linearis</i>	lineleaf fleabane
<i>Eriogonum compositum</i> var. <i>leianthum</i>	northern buckwheat
<i>Eriogonum elatum</i>	tall buckwheat
<i>Eriogonum strictum</i> var. <i>proliferum</i>	strict buckwheat
<i>Eriogonum umbellatum</i> var. <i>hypoleum</i>	sulfur flower

<i>Erythranthe guttata (Mimulus guttatus)</i>	yellow monkeyflower
<i>Erythronium grandiflorum</i>	glacier lily
<i>Fritillaria pudica</i>	yellowbells
<i>Galium multiflorum</i>	shrubby bedstraw
<i>Galium triflorum</i>	fragrant bedstraw
<i>Gayophytum diffusum</i>	groundsmoke
<i>Geum macrophyllum</i> var. <i>macrophyllum</i>	large-leaved avens
<i>Goodyera oblongifolia</i>	western rattlesnake orchid
<i>Hackelia micrantha</i>	blue stickseed
<i>Heracleum maximum (Heracleum lanatum)</i>	cow-parsnip
<i>Heuchera cylindrica</i>	alumroot
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Hieracium scouleri (Hieracium albertinum)</i>	Scouler's hawkweed
<i>Hydrophyllum tenuipes</i>	Pacific waterleaf
<i>Hypericum perforatum*</i>	St. John's-wort
<i>Iliamna rivularis</i>	streambank globemallow
<i>Ipomopsis aggregata</i>	firecracker
<i>Larix occidentalis</i>	western larch
<i>Lathyrus nevadensis</i> var. <i>pilosellus</i>	Sierran peavine
<i>Lathyrus nevadensis</i> var. <i>punicus</i>	Sierran peavine
<i>Lewisia rediviva</i>	bitterroot
<i>Ligusticum</i> sp.	lovage
<i>Lithospermum ruderale</i>	Columbia puccoon
<i>Lomatium macrocarpum?</i>	large-fruit lomatium
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Lomatium triternatum (see varieties)</i>	nine-leaf lomatium
<i>Luina hypoleuca</i>	silverback luina
<i>Lupinus polyphyllus (see varieties)</i>	largeleaved lupine
<i>Maianthemum racemosum (Smilacina racemosa)</i>	western solomon's-seal
<i>Maianthemum stellatum (Smilacina stellata)</i>	starry false Solomon-seal
<i>Micranthes odontoloma (Saxifraga arguta, punctata)</i>	brook saxifrage
<i>Mitella pentandra</i>	alpine mitrewort
<i>Moehringia macrophylla (Arenaria macrophylla)</i>	big-leaf sandwort
<i>Orthilia secunda</i>	one-sided pyrola
<i>Osmorhiza occidentalis</i>	western sweet cicely
<i>Paeonia brownii</i>	Brown's peony
<i>Paxistima myrsinites (Pachistima)</i>	mountain box
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Pedicularis racemosa</i>	sickletop lousewort
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Penstemon pruinus</i>	Chelan penstemon
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Phacelia linearis</i>	thread-leaf scorpion-weed
<i>Phacelia procera</i>	tall scorpion-weed
<i>Phleum</i> sp.	timothy
<i>Physaria alpestris</i>	alpine twinpod
<i>Pinus monticola</i>	western white pine
<i>Pinus ponderosa</i>	ponderosa pine
<i>Platanthera dilatata</i>	white rein orchid
<i>Polemonium</i> sp.	jacob's-ladder
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	black cottonwood
<i>Potentilla gracilis</i> var. <i>flabelliformis</i>	Idaho cinquefoil
<i>Prunella vulgaris</i> var. <i>vulgaris</i>	healall
<i>Prunus emarginata</i>	bitter cherry
<i>Pseudoroegneria spicata (Agropyron spicatum)</i>	bluebunch wheatgrass
<i>Pyrola picta</i>	white-vein wintergreen
<i>Rhododendron albiflorum</i>	white rhododendron

<i>Ribes lacustre</i>	prickly current
<i>Ribes viscosissimum</i>	sticky current
<i>Rosa nutkana</i> var. <i>hispida</i>	Nootka rose
<i>Rosa woodsii</i> var. <i>ultramontana</i>	Wood's rose
<i>Rubus parviflorus</i>	thimbleberry
<i>Rudbeckia alpicola</i>	rudbeckia
<i>Rumex acetosella</i> *	sheep sorrel
<i>Rumex sp.</i>	dock
<i>Salix scouleriana</i>	Scouler's willow
<i>Sambucus nigra</i> ssp. <i>cerulea</i> (<i>S. cerulea</i>)	blue elderberry
<i>Sanicula graveolens</i>	Sierran black-snakeroot
<i>Scirpus microcarpus</i>	small-fruited bullrush
<i>Sedum lanceolatum</i> var. <i>lanceolatum</i>	lanceleaved stonecrop
<i>Sedum stenopetalum</i> (see varieties)	wormleaf stonecrop
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Senecio triangularis</i>	arrowleaf groundsel
<i>Silene douglasii</i> var. <i>douglasii</i> : ovary stalk 2-3 mm, pls glandular in upper part	Douglas' silene
<i>Spiraea lucida</i> (<i>S. betulifolia</i>)	shiny-leaf spiraea
<i>Taraxacum officinale</i> *	common dandelion
<i>Thalictrum occidentale</i>	western meadow-rue
<i>Tragopogon dubius</i> *	salsify
<i>Trillium ovatum</i>	western trillium
<i>Urtica dioica</i>	stinging nettle
<i>Vaccinium membranaceum</i>	thin-leaved huckleberry
<i>Vaccinium ovalifolium</i> (includes <i>V. alaskaense</i>)	Alaska blueberry
<i>Valeriana columbiana</i>	Wenatchee valerian
<i>Valeriana sitchensis</i>	Sitka valerian
<i>Veratrum californicum</i>	California false hellebore
<i>Vicia americana</i> var. <i>americana</i>	American vetch

Bean Creek Trail

Rare Care trip, J. Arnett, M. Hobbs, J. Hobbs 11 July 2010

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies grandis</i>	grand fir
<i>Abies lasiocarpa</i>	subalpine fir
<i>Acer glabrum</i> var. <i>douglasii</i>	Douglas maple
<i>Achillea millefolium</i>	common yarrow
<i>Achlys triphylla</i>	vanilla-leaf
<i>Aconitum columbianum</i>	Columbian monkshood
<i>Adenocaulon bicolor</i>	pathfinder
<i>Adiantum aleuticum</i> (<i>A. pedatum</i>)	western maidenhair
<i>Agoseris heterophylla</i>	annual agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Alnus viridis</i> ssp. <i>sinuata</i> (<i>Alnus sinuata</i>)	Sitka alder
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Anaphalis margaritacea</i>	pearly everlasting
<i>Angelica</i> sp.	angelica
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Antennaria rosea</i>	rosy pussy-toes
<i>Aquilegia flavescens</i>	yellow columbine
<i>Aquilegia formosa</i>	columbine
<i>Arctostaphylos nevadensis</i>	pinemat manzanita
<i>Arctostaphylos uva-ursi</i>	kinnikinnik
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Artemisia ludoviciana</i>	western mugwort
<i>Aruncus dioicus</i> var. <i>acuminatus</i>	goatsbeard
<i>Aspidotis densa</i>	Indian's dream
<i>Balsamorhiza sagittata</i>	arrow-leaf balsamroot
<i>Berberis aquifolium</i>	tall Oregon grape
<i>Berberis nervosa</i>	Cascade Oregon-grape
<i>Bistorta bistortoides</i> (<i>Polygonum bistortoides</i>)	western bistort
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Carex geveeri</i>	elk sedge
<i>Carex hoodii</i>	Hood's sedge
<i>Carex rossii</i>	Ross' sedge
<i>Castilleja elmeri</i>	Wenatchee mountains Indian-paintbrush
<i>Castilleja hispida</i> var. <i>hispida</i>	harsh paintbrush
<i>Ceanothus velutinus</i> var. <i>velutinus</i>	snowbrush
<i>Chaenactis thompsonii</i>	Thompson's chaenactis
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fireweed
<i>Cheilanthes gracillima</i>	lace lip-fern
<i>Chimaphila menziesii</i>	little prince's-pine
<i>Chimaphila umbellata</i>	pipsissewa
<i>Cirsium edule</i>	horse thistle
<i>Cirsium edule</i> var. <i>wenatchense</i>	Wenatchee thistle
<i>Claytonia lanceolata</i>	spring beauty
<i>Claytonia megarhiza</i> (var. <i>navalis</i>)	fellfields claytonia
<i>Collinsia parviflora</i>	small-flowered blue-eyed Mary
<i>Collomia debilis</i>	alpine collomia
<i>Collomia grandiflora</i>	large-flowered collomia
<i>Collomia tenella</i>	diffuse collomia
<i>Crepis occidentalis</i>	western hawksbeard
<i>Crepis</i> sp.	hawksbeard
<i>Cryptantha thompsonii</i>	Thompson's cryptantha

<i>Cystopteris fragilis</i>	fragile fern
<i>Dactylis glomerata*</i>	orchardgrass
<i>Dasiphora fruticosa (Potentilla fruticosa)</i>	shrubby cinquefoil
<i>Delphinium nuttallianum</i>	upland larkspur
<i>Dodecatheon sp.</i>	shootingstar
<i>Douglasia nivalis</i>	snow Douglasia
<i>Drymocalis glandulosa var. glandulosa (Potentilla glandulosa)</i>	sticky cinquefoil
<i>Elymus glaucus</i>	blue wildrye
<i>Epilobium clavatum (E. alpinum)</i>	talus willowherb
<i>Epilobium minutum</i>	small-flowered willowherb
<i>Equisetum arvense</i>	common horsetail
<i>Erigeron compositus var. glabratus</i>	dwarf mountain fleaane
<i>Erigeron glacialis var. glacialis (E. peregrinus)</i>	wandering daisy
<i>Eriogonum compositum</i>	northern buckwheat
<i>Eriogonum compositum var. compositum</i>	northern buckwheat
<i>Eriogonum elatum</i>	tall buckwheat
<i>Eriogonum pyrolifolium (see vars.)</i>	alpine buckwheat
<i>Eriogonum umbellatum var. hypoleum</i>	sulfur flower
<i>Eriophyllum lanatum</i>	woolly sunflower
<i>Erysimum arenicola</i>	sand-dwelling wallflower
<i>Erythranthe guttata (Mimulus guttatus)</i>	yellow monkeyflower
<i>Erythranthe lewisii (Mimulus lewisii)</i>	purple monkeyflower
<i>Erythronium grandiflorum</i>	glacier lily
<i>Festuca idahoensis</i>	Idaho fescue
<i>Fritillaria pudica</i>	yellowbells
<i>Galium bifolium</i>	twin-leaf bedstraw
<i>Galium multiflorum</i>	shrubby bedstraw
<i>Galium triflorum</i>	fragrant bedstraw
<i>Goodyera oblongifolia</i>	western rattlesnake orchid
<i>Hackelia micrantha</i>	blue stickseed
<i>Heracleum maximum (Heracleum lanatum)</i>	cow-parsnip
<i>Heuchera cylindrica</i>	alumroot
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Hieracium scouleri (Hieracium albertinum)</i>	Scouler's hawkweed
<i>Holodiscus discolor</i>	ocean spray
<i>Hordeum</i>	barley
<i>Hydrophyllum capitatum var. capitatum</i>	ballhead waterleaf
<i>Hydrophyllum fendleri var. albifrons</i>	Fendler's waterleaf
<i>Ipomopsis aggregata</i>	firecracker
<i>Juniperus communis</i>	mountain juniper
<i>Larix lyallii</i>	subalpine larch
<i>Lewisia columbiana</i>	Columbia lewisia
<i>Ligusticum sp.</i>	lovage
<i>Lomatium brandegei</i>	Brandegee's lomatium
<i>Lomatium cuspidatum</i>	Wenatchee desert parsley
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Luina hypoleuca</i>	silverback luina
<i>Lupinus cf. sericeus var. fikeranus, keys to L. wyethi</i>	silky lupine
<i>Luzula hitchcockii</i>	smooth woodrush
<i>Madia sp.</i>	tarweed
<i>Maianthemum racemosum (Smilacina racemosa)</i>	western solomon's-seal
<i>Melica sp.</i>	oniongrass
<i>Microsteris gracilis (Phlox gracilis)</i>	pink microsteris
<i>Mitella pentandra</i>	alpine mitrewort
<i>Moehringia macrophylla (Arenaria macrophylla)</i>	big-leaf sandwort
<i>Monardella odoratissima var. discolor</i>	mountain monardella
<i>Montia parvifolia</i>	streambank springbeauty

<i>Orobanche sp.</i>	broomrape
<i>Orthilia secunda</i>	one-sided pyrola
<i>Osmorhiza occidentalis</i>	western sweet cicely
<i>Packera streptanthifolia</i> (<i>Senecio streptanthifolius</i>)	Rocky Mountain groundsel
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Penstemon davidsonii</i> (see varieties)	Davidson's penstemon
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Penstemon rupicola</i>	rock penstemon
<i>Penstemon serrulatus</i>	Cascade penstemon
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Phacelia procera</i>	tall scorpion-weed
<i>Phleum alpinum</i>	alpine timothy
<i>Phlox diffusa</i> (see varieties and subspecies)	spreading phlox
<i>Pinus albicaulis</i>	whitebark pine
<i>Pinus contorta</i>	lodgepole pine
<i>Pinus monticola</i>	western white pine
<i>Pinus ponderosa</i>	ponderosa pine
<i>Piperia unalascensis</i>	Alaska rein orchid
<i>Plantago lanceolata</i>	English plantain
<i>Platanthera dilatata</i>	white rein orchid
<i>Poa bulbosa</i> ssp. <i>vivipara</i> *	bulbous bluegrass
<i>Poa curtifolia</i>	little mountain bluegrass
<i>Polemonium elegans</i>	elegant Jacob's-ladder
<i>Polygonum douglasii</i>	Douglas' knotweed
<i>Polygonum sp.</i>	knotweed
<i>Polystichum kruckebergii</i>	Kruckeberg's sword fern
<i>Polystichum lemmonii</i> (<i>P. mohrioides</i>)	Lemmon's hollyfern
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	black cottonwood
<i>Potentilla cf. recta</i>	sulfur cinquefoil
<i>Potentilla flabellifolia</i>	fan-leaf cinquefoil
<i>Prunus emarginata</i>	bitter cherry
<i>Prunus virginiana</i>	chokecherry
<i>Pseudoroegneria spicata</i> (<i>Agropyron spicatum</i>)	bluebunch wheatgrass
<i>Pteridium aquilinum</i>	bracken
<i>Pyrola picta</i>	white-vein wintergreen
<i>Ranunculus repens</i>	creeping buttercup
<i>Rhamnus purshiana</i>	casacara
<i>Ribes lacustre</i>	prickly current
<i>Ribes viscosissimum</i>	sticky current
<i>Rosa gymnocarpa</i>	baldhip rose
<i>Rosa nutkana</i> var. <i>hispida</i>	Nootka rose
<i>Rubus parviflorus</i>	thimbleberry
<i>Rumex acetosa</i> *	dock
<i>Rumex acetosella</i> *	sheep sorrel
<i>Salix scouleriana</i>	Scouler's willow
<i>Salix sp.</i>	willow
<i>Sambucus racemosa</i>	red elderberry
<i>Sanicula graveolens</i>	Sierran black-snakeroot
<i>Saxifraga bronchialis</i> ssp. <i>austromontana</i>	spotted saxifrage
<i>Saxifraga cespitosa</i>	tufted saxifrage
<i>Sedum lanceolatum</i> var. <i>lanceolatum</i>	lanceleaved stonecrop
<i>Sedum sp.</i>	stonecrop
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Senecio triangularis</i>	arrowleaf groundsel
<i>Silene parryi</i>	Parry's catchfly
<i>Sorbus scopulina</i>	mountain-ash
<i>Spiraea lucida</i> (<i>S. betulifolia</i>)	shiny-leaf spiraea

<i>Taraxacum officinale</i> *	common dandelion
<i>Taxus brevifolia</i>	Pacific yew
<i>Thalictrum occidentale</i>	western meadow-rue
<i>Thinopyrum intermedium</i> (<i>Agropyron intermedium</i>)	intermediate wheatgrass
<i>Tragopogon dubius</i> *	salsify
<i>Trifolium hybridum</i> *	Alsike clover
<i>Trifolium pratense</i> *	red clover
<i>Trifolium repens</i> *	white clover
<i>Vaccinium membranaceum</i>	thin-leaved huckleberry
<i>Veratrum viride</i>	corn-lily
<i>Veronica serpyllifolia</i>	thyme-leaved speedwell
<i>Veronica wormskjoldii</i>	Wormskjold's speedwell
<i>Viola glabella</i>	pioneer violet
<i>Viola purpurpea</i> var. <i>venosa</i>	purplish violet

Stafford Creek Trail

Rare Care trip, J. Arnett, K. Reagan, M. Hobbs, J. Hobbs 10July2010

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Acer glabrum</i> var. <i>douglasii</i>	Douglas maple
<i>Achillea millefolium</i>	common yarrow
<i>Achlys triphylla</i>	vanilla-leaf
<i>Adenocaulon bicolor</i>	pathfinder
<i>Adiantum aleuticum</i> (<i>A. pedatum</i>)	western maidenhair
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Agoseris glauca</i>	pale agoseris
<i>Agoseris heterophylla</i>	annual agoseris
<i>Allium scilloides</i> ?	scilla-like onion
<i>Alnus viridis</i> ssp. <i>sinuata</i> (<i>Alnus sinuata</i>)	Sitka alder
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Anaphalis margaritacea</i>	pearly everlasting
<i>Anemone drummondii</i>	Drummond's wind flower
<i>Angelica arguta</i>	sharp-tooth angelica
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Apocynum androsaemifolium</i>	dogbane
<i>Arabis</i> sp.	rock cress
<i>Arctostaphylos nevadensis</i>	pinemat manzanita
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Aspidotis densa</i>	Indian's dream
<i>Balsamorhiza sagittata</i>	arrow-leaf balsamroot
<i>Berberis repens</i>	creeping Oregon-grape
<i>Bistorta bistortoides</i> (<i>Polygonum bistortoides</i>)	western bistort
<i>Calamagrostis rubescens</i>	pinegrass
<i>Carex geyeri</i>	elk sedge
<i>Carex hoodii</i>	Hood's sedge
<i>Castilleja elmeri</i>	Wenatchee mountains Indian-paintbrush
<i>Castilleja hispida</i> var. <i>hispida</i>	harsh paintbrush
<i>Ceanothus velutinus</i> var. <i>velutinus</i>	snowbrush
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fireweed
<i>Chimaphila umbellata</i>	pipsissewa
<i>Cirsium edule</i>	horse thistle
<i>Claytonia lanceolata</i>	spring beauty
<i>Collinsia parviflora</i>	small-flowered blue-eyed Mary
<i>Collomia linearis</i>	narrow-leaf collomia
<i>Collomia tenella</i>	diffuse collomia
<i>Corallorhiza maculata</i>	spotted coralroot
<i>Crepis</i> sp.	hawksbeard
<i>Cryptantha</i> sp.	cryptantha
<i>Cryptantha thompsonii</i>	Thompson's cryptantha
<i>Cryptogramma acrosticoides</i>	American parsley fern
<i>Cystopteris fragilis</i>	fragile fern
<i>Dasiphora fruticosa</i> (<i>Potentilla fruticosa</i>)	shrubby cinquefoil
<i>Delphinium nuttallianum</i>	upland larkspur
<i>Dodecatheon pulchellum</i> var. <i>cusickii</i>	Cusick's shootingstar
<i>Douglasia nivalis</i>	snow Douglasia
<i>Drymocalis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil
<i>Epilobium minutum</i>	small-flowered willowherb
<i>Eremogone capillaris</i> var. <i>americana</i> (<i>Arenaria capillaris</i> var. <i>americana</i>)	fescue sandwort
<i>Erigeron glacialis</i> var. <i>glacialis</i> (<i>E. peregrinus</i>)	wandering daisy
<i>Eriogonum compositum</i>	northern buckwheat
<i>Eriogonum pyrolifolium</i> (see vars.)	alpine buckwheat

<i>Eriogonum umbellatum</i> var. <i>hypoleum</i>	sulfur flower
<i>Erysimum arenicola</i>	sand-dwelling wallflower
<i>Erythronium grandiflorum</i>	glacier lily
<i>Fragaria virginiana</i> spp. <i>platypetala</i>	woods strawberry
<i>Fritillaria pudica</i>	yellowbells
<i>Galium aparine</i>	cleavers
<i>Galium multiflorum</i>	shrubby bedstraw
<i>Galium triflorum</i>	fragrant bedstraw
<i>Goodyera oblongifolia</i>	western rattlesnake orchid
<i>Hackelia micrantha</i>	blue stickseed
<i>Heracleum maximum</i> (<i>Heracleum lanatum</i>)	cow-parsnip
<i>Heuchera cylindrica</i>	alumroot
<i>Hieracium scouleri</i> (<i>Hieracium albertinum</i>)	Scouler's hawkweed
<i>Holodiscus discolor</i>	ocean spray
<i>Hydrophyllum capitatum</i> var. <i>capitatum</i>	ballhead waterleaf
<i>Hypericum perforatum</i> *	St. John's-wort
<i>Ipomopsis aggregata</i>	firecracker
<i>Juniperus communis</i>	mountain juniper
<i>Lewisia columbiana</i>	Columbia lewisia
<i>Ligusticum</i> sp.	lovage
<i>Lilium columbianum</i>	tiger lily
<i>Linnaea borealis</i>	twinflower
<i>Lithophragma glabrum</i> (<i>L. bulbifera</i>)	bulbous starflower
<i>Lithophragma parviflora</i>	small-flowered prairie-star
<i>Lomatium brandegei</i>	Brandegee's Lomatium
<i>Lomatium cuspidatum</i>	Wenatchee desert parsley
<i>Lomatium gormanii</i>	salt and pepper
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Lonicera ciliosa</i>	trumpet honeysuckle
<i>Lupinus</i> cf. <i>sericeus</i> var. <i>fikeranus</i> , keys to <i>L. wyethei</i>	silky lupine
<i>Maianthemum racemosum</i> (<i>Smilacina racemosa</i>)	western solomon's-seal
<i>Maianthemum stellatum</i> (<i>Smilacina stellata</i>)	starry false Solomon-seal
<i>Micranthes integrifolia</i>	whole-leaf saxifrage
<i>Mitella</i> sp.	mitrewort
<i>Moehringia macrophylla</i> (<i>Arenaria macrophylla</i>)	big-leaf sandwort
<i>Montia parvifolia</i>	streambank springbeauty
<i>Orthilia secunda</i>	one-sided pyrola
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Phacelia heterophylla</i> var. <i>heterophylla</i>	varileaf phacelia
<i>Phlox diffusa</i> (see varieties and subspecies)	spreading phlox
<i>Phyllodoce glanduliflora</i>	yellow mountain heather
<i>Physaria alpestris</i>	alpine twinpod
<i>Pinus albicaulis</i>	whitebark pine
<i>Pinus monticola</i>	western white pine
<i>Piperia unalascensis</i>	Alaska rein orchid
<i>Poa bulbosa</i> ssp. <i>vivipara</i> *	bulbous bluegrass
<i>Poa curtifolia</i>	little mountain bluegrass
<i>Poa secunda</i> (see subspecies)	Sandberg's bluegrass
<i>Polystichum lonchitis</i>	mountain holly fern
<i>Potentilla flabellifolia</i>	fan-leaf cinquefoil
<i>Potentilla</i> sp.	cinquefoil
<i>Prunus emarginata</i>	bitter cherry
<i>Pteridium aquilinum</i>	bracken
<i>Pyrola picta</i>	white-vein wintergreen

<i>Rhododendron columbianum (Ledum glandulosum)</i>	western Labrador-tea
<i>Ribes lacustre</i>	prickly current
<i>Ribes viscosissimum</i>	sticky current
<i>Rosa gymnocarpa</i>	baldhip rose
<i>Rubus parviflorus</i>	thimbleberry
<i>Rubus ursinus</i>	trailing blackberry
<i>Rumex acetosella</i> *	sheep sorrel
<i>Sanicula graveolens</i>	Sierran black-snakeroot
<i>Scirpus microcarpus</i>	small-fruited bullrush
<i>Sedum lanceolatum</i> var. <i>lanceolatum</i>	lanceleaved stonecrop
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Senecio</i> sp.	groundsel
<i>Sorbus scopulina</i>	mountain-ash
<i>Spiraea densiflora</i> var. <i>densiflora</i>	subalpine spiraea
<i>Taraxacum officinale</i> *	common dandelion
<i>Taxus brevifolia</i>	Pacific yew
<i>Thalictrum occidentale</i>	western meadow-rue
<i>Trientalis europaea</i>	arctic starflower
<i>Tsuga mertensiana</i>	mountain hemlock
<i>Vaccinium membranaceum</i>	thin-leaved huckleberry
<i>Valeriana sitchensis</i>	Sitka valerian
<i>Veratrum viride</i>	corn-lily
<i>Veronica</i> sp.	speedwell
<i>Vicia americana</i> var. <i>americana</i>	American vetch
<i>Viola glabella</i>	pioneer violet
<i>Viola purpurpea</i> var. <i>venosa</i>	purplish violet

Bear/Iron Creek Trail and Teanaway Ridge Trail
 Rare Care trip, P Slichter 09July2010

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies grandis</i>	grand fir
<i>Acer glabrum</i> var. <i>douglasii</i>	Douglas maple
<i>Acer macrophyllum</i>	bigleaf maple
<i>Achillea millefolium</i>	common yarrow
<i>Achlys triphylla</i>	vanilla-leaf
<i>Adenocaulon bicolor</i>	pathfinder
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Agoseris retrorsa</i>	spear leaved agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Allium crenulatum</i>	scalloped onion
<i>Allium</i> sp.	onion
<i>Alnus viridus</i> ssp. <i>sinuata</i> (<i>Alnus sinuata</i>)	Sitka alder
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Anaphalis margaritacea</i>	pearly everlasting
<i>Angelica arguta</i>	sharp-tooth angelica
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Aquilegia formosa</i>	columbine
<i>Arctostaphylos nevadensis</i>	pinemat manzanita
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Arnica latifolia</i>	broadleaf arnica
<i>Artemisia ludoviciana</i>	western mugwort
<i>Balsamorhiza sagittata</i>	arrow-leaf balsamroot
<i>Berberis aquifolium</i>	tall Oregon grape
<i>Berberis nervosa</i>	Cascade Oregon-grape
<i>Boechera</i> (<i>Arabis holboellii</i> , in part, misapplied)	rockcross
<i>Boechera pauciflora</i> (<i>Arabis sparsiflora</i>)	rockcross
<i>Bromus inermis</i> *	smooth brome
<i>Bromus tectorum</i>	cheatgrass
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Carex geveyi</i>	elk sedge
<i>Castilleja hispida</i> var. <i>hispida</i>	harsh paintbrush
<i>Castilleja miniata</i>	scarlet Indian-paintbrush
<i>Ceanothus velutinus</i> var. <i>velutinus</i>	snowbrush
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fireweed
<i>Cheilanthes gracillima</i>	lace lip-fern
<i>Chimaphila umbellata</i>	pipsissewa
<i>Circea alpina</i>	enchanter's nightshade
<i>Cirsium edule</i>	horse thistle
<i>Claytonia rubra</i>	red miners lettuce
<i>Clematis occidentalis</i> var. <i>dissecta</i> (<i>Clematis columbiana</i> var. <i>dissecta</i>)	Columbia clematis
<i>Clintonia uniflora</i>	queen's-cup
<i>Collinsia parviflora</i>	small-flowered blue-eyed Mary
<i>Collomia grandiflora</i>	large-flowered collomia
<i>Collomia tinctoria</i>	yellow-staining collomia
<i>Columbiadorea hallii</i> (<i>Happlopappus hallii</i>)	Hall's goldenweed
<i>Cornus sericea</i> ssp. <i>occidentalis</i> (<i>C. stolonifera</i>)	red-osier dogwood
<i>Crepis intermedia</i>	gray hawksbeard
<i>Cryptantha</i> sp.	cryptantha
<i>Cryptantha thompsonii</i>	Thompson's cryptantha
<i>Cystopteris fragilis</i>	fragile fern
<i>Delphinium lineapetalum</i>	thin-petal larkspur

<i>Delphinium glareosum</i>	rockslide larkspur
<i>Descurainia incisa</i> var. <i>viscosa</i> (<i>D. incana</i>)	mountain tansymustard
<i>Drymocallis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil
<i>Elymus elymoides</i> (<i>Sitanion hystrix</i>)	squirreltail
<i>Epilobium glaberrimum</i> (see subspecies)	smooth willow-herb
<i>Equisetum arvense</i>	common horsetail
<i>Ericameria nauseosa</i> (<i>Chrysothamnus nauseosum</i>)	gray rabbitbrush
<i>Erigeron compositus</i> var. <i>glabratus</i>	dwarf mountain fleabane
<i>Erigeron linearis</i>	lineleaf fleabane
<i>Erigeron speciosus</i>	showy fleabane
<i>Eriogonum compositum</i> var. <i>lancifolium</i>	northern buckwheat
<i>Eriogonum compositum</i> var. <i>leianthum</i>	northern buckwheat
<i>Eriogonum elatum</i>	tall buckwheat
<i>Eriogonum heracleoides</i>	parsnip-flowered buckwheat
<i>Eriogonum umbellatum</i> var. <i>hypoleum</i>	sulfur flower
<i>Erythranthe breweri</i> (<i>Mimulus breweri</i>)	Brewer's monkeyflower
<i>Erythranthe guttata</i> (<i>Mimulus guttatus</i>)	yellow monkeyflower
<i>Erythronium grandiflorum</i>	glacier lily
<i>Eucephalus engelmannii</i> (<i>Aster engelmannii</i>)	Engelmann's aster
<i>Fragaria vesca</i> spp. <i>bracteata</i>	woodland strawberry
<i>Galium multiflorum</i>	shrubby bedstraw
<i>Galium triflorum</i>	fragrant bedstraw
<i>Gayophytum diffusum</i>	groundsmoke
<i>Geum macrophyllum</i> var. <i>macrophyllum</i>	large-leaved avens
<i>Goodyera oblongifolia</i>	western rattlesnake orchid
<i>Hackelia diffusa</i> var. <i>arida</i>	steppe stickseed
<i>Hackelia micrantha</i>	blue stickseed
<i>Heracleum maximum</i> (<i>Heracleum lanatum</i>)	cow-parsnip
<i>Heuchera cylindrica</i>	alumroot
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Hieracium scouleri</i> (<i>Hieracium albertinum</i>)	Scouler's hawkweed
<i>Holodiscus discolor</i>	ocean spray
<i>Hydrophyllum capitatum</i> var. <i>capitatum</i>	ballhead waterleaf
<i>Hydrophyllum fendleri</i> var. <i>albifrons</i>	Fendler's waterleaf
<i>Hypericum perforatum</i> *	St. John's-wort
<i>Iliamna rivularis</i>	streambank globe mallow
<i>Ipomopsis aggregata</i>	firecracker
<i>Lappula</i> sp.	western stickseed
<i>Larix occidentalis</i>	western larch
<i>Leptosiphon harknessii</i> (<i>Linanthus harknessii</i>)	Harkness' linanthus
<i>Lewisia columbiana</i>	Columbia lewisia
<i>Lewisia rediviva</i>	bitterroot
<i>Lilium columbianum</i>	tiger lily
<i>Linnaea borealis</i>	twinflower
<i>Lithospermum ruderale</i>	Columbia puccoon
<i>Lomatium brandegei</i>	Brandegee's lomatium
<i>Lomatium cuspidatum</i>	Wenatchee desert parsley
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Lomatium triternatum</i> var. <i>triternatum</i>	nine-leaf lomatium
<i>Lonicera involucrata</i>	black twinberry
<i>Lupinus</i> cf. <i>sericeus</i> var. <i>fikeranus</i> , keys to <i>L. wyethi</i>	silky lupine
<i>Maianthemum racemosum</i> (<i>Smilacina racemosa</i>)	western solomon's-seal
<i>Maianthemum stellatum</i> (<i>Smilacina stellata</i>)	starry false Solomon-seal
<i>Mentzelia dispersa</i>	bushy blazingstar
<i>Microsteris gracilis</i> (<i>Phlox gracilis</i>)	pink microsteris
<i>Minuartia nuttallii</i> var. <i>nuttallii</i> (<i>Arenaria nuttallii</i>)	nuttall's sandwort
<i>Mitella trifida</i>	three-toothed mitrewort

<i>Moehringia macrophylla</i> (<i>Arenaria macrophylla</i>)	big-leaf sandwort
<i>Orobanche uniflora</i>	naked broomrape
<i>Orthilia secunda</i>	one-sided pyrola
<i>Osmorhiza occidentalis</i>	western sweet cicely
<i>Packera streptanthifolia</i> (<i>Senecio streptanthifolius</i>)	Rocky Mountain groundsel
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Phacelia hastata</i> var. <i>hastata</i> (<i>P. leptosepala</i> ?)	whiteleaf phacelia
<i>Phacelia procera</i>	tall scorpion-weed
<i>Physaria alpestris</i>	alpine twinpod
<i>Pinus ponderosa</i>	ponderosa pine
<i>Piperia unalascensis</i>	Alaska rein orchid
<i>Plantago lanceolata</i>	English plantain
<i>Polemonium californicum</i> (<i>P. pulcherrimum</i> var. <i>calycinum</i>)	low Jacob's-ladder
<i>Polemonium elegans</i>	elegant Jacob's-ladder
<i>Polemonium pulcherrimum</i>	showy Jacob's-ladder
<i>Polygonum douglasii</i>	Douglas' knotweed
<i>Polygonum sp.</i>	knotweed
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	black cottonwood
<i>Prosartes hookeri</i> (<i>Disporum hookeri</i>)	Hooker's fairybells
<i>Prunus emarginata</i>	bitter cherry
<i>Pseudostellaria jamesiana</i> (<i>Stellaria jamesiana</i>)	sticky starwort
<i>Pteridium aquilinum</i>	bracken
<i>Pterospora andromedea</i>	pinedrops
<i>Pyrola picta</i>	white-vein wintergreen
<i>Ranunculus uncinatus</i>	little buttercup
<i>Ribes lacustre</i>	prickly current
<i>Ribes viscosissimum</i>	sticky current
<i>Rosa gymnocarpa</i>	baldhip rose
<i>Rosa nutkana</i> var. <i>hispida</i>	Nootka rose
<i>Rosa woodsii</i> var. <i>ultramontana</i>	Wood's rose
<i>Rubus parviflorus</i>	thimbleberry
<i>Rubus ursinus</i>	trailing blackberry
<i>Rumex acetosella</i> *	sheep sorrel
<i>Salix scouleriana</i>	Scouler's willow
<i>Sambucus nigra</i> ssp. <i>cerulea</i> (<i>S. cerulea</i>)	blue elderberry
<i>Sanicula graveolens</i>	Sierran black-snakeroot
<i>Sedum lanceolatum</i> var. <i>lanceolatum</i>	lanceleaved stonecrop
<i>Sedum stenopetalum</i> (see varieties)	wormleaf stonecrop
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Silene parryi</i>	Parry's catchfly
<i>Sorbus sitchensis</i>	Sitka mountain-ash
<i>Spiraea lucida</i> (<i>S. betulifolia</i>)	shiny-leaf spiraea
<i>Stephanomeria tenuifolia</i>	wire lettuce
<i>Symphoricarpos albus</i>	common snowberry
<i>Symphoricarpos oreophilus</i>	mountain snowberry
<i>Taraxacum officinale</i> *	common dandelion
<i>Thalictrum occidentale</i>	western meadow-rue
<i>Thlaspi montanum</i> var. <i>montanum</i>	wild candytuft
<i>Tragopogon dubius</i> *	salsify
<i>Trifolium repens</i> *	white clover
<i>Trillium ovatum</i>	western trillium
<i>Turritis glabra</i> (<i>Arabis glabra</i>)	tower mustard
<i>Valeriana sitchensis</i>	Sitka valerian
<i>Viola purpurpea</i> var. <i>venosa</i>	purplish violet
<i>Zigadenus paniculatus</i>	paniculate death-camas

Beverly Turnpike Trail

Rare Care trip, P. Slichter, K. Reagan, J. Bresnan 11 July 2010

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies grandis</i>	grand fir
<i>Acer glabrum</i> var. <i>douglasii</i>	Douglas maple
<i>Achillea millefolium</i>	common yarrow
<i>Achlys triphylla</i>	vanilla-leaf
<i>Adenocaulon bicolor</i>	pathfinder
<i>Agoseris heterophylla</i>	annual agoseris
<i>Agoseris retrorsa</i>	spear leaved agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Alnus viridis</i> ssp. <i>sinuata</i> (<i>Alnus sinuata</i>)	Sitka alder
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Anaphalis margaritacea</i>	pearly everlasting
<i>Angelica arguta</i>	sharp-tooth angelica
<i>Antennaria howellii</i> spp. <i>neodioica</i> (<i>A. neglecta</i> in part)	field pussy-toes
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Aquilegia formosa</i>	columbine
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Arnica latifolia</i>	broadleaf arnica
<i>Aspidotis densa</i>	Indian's dream
<i>Berberis nervosa</i>	Cascade Oregon-grape
<i>Boechera</i> (<i>Arabis holboellii</i> , in part, misapplied)	rockcress
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Castilleja hispida</i> var. <i>hispida</i>	harsh paintbrush
<i>Ceanothus velutinus</i> var. <i>velutinus</i>	snowbrush
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fire weed
<i>Cheilanthes gracillima</i>	lace lip-fern
<i>Chimaphila umbellata</i>	pipissisewa
<i>Claytonia rubra</i>	red miners lettuce
<i>Collinsia parviflora</i>	small-flowered blue-eyed Mary
<i>Crepis</i> sp.	hawksbeard
<i>Delphinium lineapetalum</i>	thin-petal larkspur
<i>Drymocallis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil
<i>Elymus elymoides</i> (<i>Stitanion hystrix</i>)	squirreltail
<i>Epilobium minutum</i>	small-flowered willowherb
<i>Eriogonum compositum</i> var. <i>lancifolium</i>	northern buckwheat
<i>Erythranthe breviflora</i> (<i>Mimulus breviflorus</i>)	short-flower monkey-flower
<i>Eucephalus engelmannii</i> (<i>Aster engelmannii</i>)	Engelmann's aster
<i>Galium multiflorum</i>	shrubby bedstraw
<i>Galium triflorum</i>	fragrant bedstraw
<i>Gayophytum diffusum</i>	groundsmoke
<i>Goodyera oblongifolia</i>	western rattlesnake orchid
<i>Heuchera cylindrica</i>	alumroot
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Holodiscus discolor</i>	ocean spray
<i>Hydrophyllum capitatum</i> var. <i>capitatum</i>	ballhead waterleaf
<i>Hydrophyllum fendleri</i> var. <i>albifrons</i>	Fendler's waterleaf
<i>Ipomopsis aggregata</i>	firecracker
<i>Kelloggia galioides</i>	milky kelloggia
<i>Lomatium brandegei</i>	Brandegee's lomatium
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Lonicera involucrata</i>	black twinberry
<i>Luina hypoleuca</i>	silverback luina
<i>Maianthemum racemosum</i> (<i>Smilacina racemosa</i>)	western solomon's-seal

<i>Microsteris gracilis</i> (<i>Phlox gracilis</i>)	pink microsteris
<i>Moehringia macrophylla</i> (<i>Arenaria macrophylla</i>)	big-leaf sandwort
<i>Monardella odoratissima</i> var. <i>discolor</i>	mountain monardella
<i>Orthilia secunda</i>	one-sided pyrola
<i>Osmorhiza occidentalis</i>	western sweet cicely
<i>Packera streptanthifolia</i> (<i>Senecio streptanthifolius</i>)	Rocky Mountain groundsel
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Penstemon rupicola</i>	rock penstemon
<i>Penstemon serrulatus</i>	Cascade penstemon
<i>Pinus monticola</i>	western white pine
<i>Pinus ponderosa</i>	ponderosa pine
<i>Piperia unalascensis</i>	Alaska rein orchid
<i>Plantago lanceolata</i>	English plantain
<i>Platanthera dilatata</i>	white rein orchid
<i>Poa bulbosa</i> ssp. <i>vivipara</i> *	bulbous bluegrass
<i>Polygonum douglasii</i>	Douglas' knotweed
<i>Polystichum lemmonii</i> (<i>P. mohrioides</i>)	Lemmon's hollyfern
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	black cottonwood
<i>Prunus emarginata</i>	bitter cherry
<i>Pteridium aquilinum</i>	bracken
<i>Pyrola picta</i>	white-vein wintergreen
<i>Rhamnus purshiana</i>	cascara
<i>Ribes lacustre</i>	prickly current
<i>Rosa gymnocarpa</i>	baldhip rose
<i>Rosa woodsii</i> var. <i>ultramontana</i>	Wood's rose
<i>Rubus leucodermis</i>	blackcap raspberry
<i>Rubus parviflorus</i>	thimbleberry
<i>Rumex acetosella</i> *	sheep sorrel
<i>Salix scouleriana</i>	Scouler's willow
<i>Sanicula graveolens</i>	Sierran black-snakeroot
<i>Sedum lanceolatum</i> var. <i>lanceolatum</i>	lanceleaved stonecrop
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Sorbus scopulina</i>	mountain-ash
<i>Taraxacum officinale</i> *	common dandelion
<i>Taxus brevifolia</i>	Pacific yew
<i>Thinopyrum intermedium</i> (<i>Agropyron intermedium</i>)	intermediate wheatgrass
<i>Tragopogon dubius</i> *	salsify
<i>Trientalis latifolia</i> (<i>T. borealis</i>)	western starflower
<i>Trifolium pratense</i> *	red clover
<i>Trifolium repens</i> *	white clover
<i>Tsuga mertensiana</i>	mountain hemlock
<i>Vaccinium membranaceum</i>	thin-leaved huckleberry
<i>Viola purpurpea</i> var. <i>venosa</i>	purplish violet
<i>Woodsia scopulina</i> (see varieties)	western cliff fern

Miller Creek Trail

Rare Care trip, P Slichter, J Thorson, K Van Norman 10July2010

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies grandis</i>	grand fir
<i>Abies lasiocarpa</i>	subalpine fir
<i>Acer glabrum</i> var. <i>douglasii</i>	Douglas maple
<i>Achillea millefolium</i>	common yarrow
<i>Achlys triphylla</i>	vanilla-leaf
<i>Actaea rubra</i>	baneberry
<i>Adenocaulon bicolor</i>	pathfinder
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Agoseris retrorsa</i>	spear leaved agoseris
<i>Allium crenulatum</i>	scalloped onion
<i>Alnus rubra</i>	red alder
<i>Alnus viridus</i> ssp. <i>sinuata</i> (<i>Alnus sinuata</i>)	Sitka alder
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Anaphalis margaritacea</i>	pearly everlasting
<i>Angelica arguta</i>	sharp-tooth angelica
<i>Antennaria howellii</i> ssp. <i>neodioica</i> (<i>A. neglecta</i> in part)	field pussy-toes
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Apocynum androsaemifolium</i>	dogbane
<i>Aquilegia formosa</i>	columbine
<i>Arctostaphylos nevadensis</i>	pinemat manzanita
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Arnica longifolia</i>	long-leaf arnica
<i>Artemisia ludoviciana</i>	western mugwort
<i>Aruncus dioicus</i> var. <i>acuminatus</i>	goatsbeard
<i>Athyrium filix-femina</i>	lady fern
<i>Balsamorhiza sagittata</i>	arrow-leaf balsamroot
<i>Berberis aquifolium</i>	tall Oregon grape
<i>Berberis nervosa</i>	Cascade Oregon-grape
<i>Boecheria pauciflora</i> (<i>Arabis sparsiflora</i>)	rockcress
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Calypto bulbosa</i>	fairy slipper orchid
<i>Carex geyeri</i>	elk sedge
<i>Carex mertensii</i>	Merten's sedge
<i>Castilleja hispida</i> var. <i>hispida</i>	harsh paintbrush
<i>Castilleja miniata</i>	scarlet Indian-paintbrush
<i>Centaurea</i> sp.	knapweed
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fireweed
<i>Cheilanthes gracillima</i>	lace lip-fern
<i>Chimaphila umbellata</i>	pipsissewa
<i>Chrysothamnus viscidiflorus</i>	stickyleaf rabbitbrush
<i>Circea alpina</i>	enchanter's nightshade
<i>Cirsium arvense</i> *	Canada thistle
<i>Cirsium edule</i>	horse thistle
<i>Cistanthe umbellata</i> (<i>Spraguea umbellata</i>)	pussypaws
<i>Claytonia cordifolia</i>	heartleaf springbeauty
<i>Claytonia lanceolata</i>	spring beauty
<i>Claytonia megarhiza</i> (var. <i>nivalis</i>)	fellfields claytonia
<i>Clematis occidentalis</i> (v.?)	Columbia clematis
<i>Clintonia uniflora</i>	queen's-cup
<i>Collinsia parviflora</i>	small-flowered blue-eyed Mary
<i>Collomia grandiflora</i>	large-flowered collomia

<i>Collomia linearis</i>	narrow-leaf collomia
<i>Collomia tinctoria</i>	yellow-staining collomia
<i>Corallorhiza maculata</i>	spotted coralroot
<i>Cornus sericea</i> ssp. <i>occidentalis</i> (<i>C. stolonifera</i>)	red-osier dogwood
<i>Crepis intermedia</i>	gray hawksbeard
<i>Cryptantha thompsonii</i>	Thompson's cryptantha
<i>Cypripedium fasciculatum</i>	clustered lady's-slipper
<i>Cystopteris fragilis</i>	fragile fern
<i>Dactylis glomerata</i> *	orchardgrass
<i>Delphinium lineapetalum</i>	thin-petal larkspur
<i>Delphinium glareosum</i>	rockslide larkspur
<i>Descurainia incisa</i> var. <i>viscosa</i> (<i>D. incana</i>)	mountain tansymustard
<i>Dodecatheon dentatum</i>	white shootingstar
<i>Douglasia nivalis</i>	snow Douglasia
<i>Drymocallis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil
<i>Elymus elymoides</i> (<i>Sitanion hystrix</i>)	squirreltail
<i>Equisetum arvense</i>	common horsetail
<i>Eremogone capillaris</i> var. <i>americana</i> (<i>Arenaria capillaris</i> var. <i>americana</i>)	fescue sandwort
<i>Erigeron compositus</i> var. <i>glabratus</i>	dwarf mountain fleaane
<i>Erigeron linearis</i>	lineleaf fleabane
<i>Erigeron speciosus</i>	showy fleabane
<i>Eriogonum compositum</i> var. <i>lancifolium</i>	northern buckwheat
<i>Eriogonum pyrolifolium</i> (see vars.)	alpine buckwheat
<i>Eriogonum strictum</i>	strick buckwheat
<i>Eriogonum umbellatum</i> var. <i>hypoleum</i>	sulfur flower
<i>Erysimum capitatum</i> (<i>E. asperum</i>)	rough wallflower
<i>Erythranthe guttata</i> (<i>Mimulus guttatus</i>)	yellow monkeyflower
<i>Erythranthe lewisii</i> (<i>Mimulus lewisii</i>)	purple monkeyflower
<i>Erythronium grandiflorum</i>	glacier lily
<i>Eucephalus engelmannii</i> (<i>Aster engelmannii</i>)	Engelmann's aster
<i>Fragaria vesca</i> spp. <i>bracteata</i>	woodland strawberry
<i>Fragaria virginiana</i> spp. <i>platypetala</i>	woods strawberry
<i>Fritillaria pudica</i>	yellowbells
<i>Galium multiflorum</i>	shrubby bedstraw
<i>Galium triflorum</i>	fragrant bedstraw
<i>Geum macrophyllum</i> var. <i>macrophyllum</i>	large-leaved avens
<i>Goodyera oblongifolia</i>	western rattlesnake orchid
<i>Hackelia diffusa</i> var. <i>arida</i>	steppe stickseed
<i>Hackelia micrantha</i>	blue stickseed
<i>Heuchera cylindrica</i>	alumroot
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Holodiscus discolor</i>	ocean spray
<i>Hydrophyllum capitatum</i> var. <i>capitatum</i>	ballhead waterleaf
<i>Hydrophyllum fendleri</i> var. <i>albifrons</i>	Fendler's waterleaf
<i>Iliamna rivularis</i>	streambank globemallow
<i>Ipomopsis aggregata</i>	firecracker
<i>Juncus ensifolius</i>	dagger-leaf rush
<i>Juniperus communis</i>	mountain juniper
<i>Lappula</i> sp.	western stickseed
<i>Larix occidentalis</i>	western larch
<i>Lathyrus polyphyllus</i>	leafy pea
<i>Leptosiphon harknessii</i> (<i>Linanthus harknessii</i>)	Harkness' linanthus
<i>Leptosiphon nuttallii</i> (<i>Linanthus nuttallii</i>)	Nuttall's linanthus
<i>Leucanthemum vulgare</i> *	ox-eye daisy
<i>Lewisia rediviva</i>	bitterroot
<i>Lilium columbianum</i>	tiger lily

<i>Linnaea borealis</i>	twinflower
<i>Lithophragma glabrum</i> (<i>L. bulbifera</i>)	bulbous starflower
<i>Lithospermum ruderae</i>	Columbia puccoon
<i>Lomatium brandegei</i>	Brandegee's lomatium
<i>Lomatium cuspidatum</i>	Wenatchee desert parsley
<i>Lomatium gormanii</i>	salt and pepper
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Lomatium triternatum</i> var. <i>triternatum</i>	nine-leaf lomatium
<i>Lonicera ciliosa</i>	trumpet honeysuckle
<i>Lonicera involucrata</i>	black twinberry
<i>Lupinus</i> cf. <i>sericeus</i> var. <i>fikeranus</i> , keys to <i>L. wyethii</i>	silky lupine
<i>Lupinus latifolius</i> var. <i>latifolius</i>	broadleaf lupine
<i>Luzula parviflora</i>	small-flowered woodrush
<i>Madia glomerata</i>	tarweed
<i>Maianthemum racemosum</i> (<i>Smilacina racemosa</i>)	western solomon's-seal
<i>Maianthemum stellatum</i> (<i>Smilacina stellata</i>)	starry false Solomon-seal
<i>Mentzelia dispersa</i>	bushy blazingstar
<i>Micranthes nidifica</i>	saxifrage
<i>Microsteris gracilis</i> (<i>Phlox gracilis</i>)	pink microsteris
<i>Minuartia nuttallii</i> var. <i>nuttallii</i> (<i>Arenaria nuttallii</i>)	nuttall's sandwort
<i>Mitella pentandra</i>	alpine mitrewort
<i>Mitella trifida</i>	three-toothed mitre wort
<i>Moehringia macrophylla</i> (<i>Arenaria macrophylla</i>)	big-leaf sandwort
<i>Monardella odoratissima</i> var. <i>discolor</i>	mountain monardella
<i>Montia parvifolia</i>	streambank springbeauty
<i>Orthilia secunda</i>	one-sided pyrola
<i>Osmorhiza occidentalis</i>	western sweet cicely
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Penstemon procerus</i>	small-flowered penstemon
<i>Penstemon serrulatus</i>	Cascade penstemon
<i>Phacelia hastata</i> var. <i>hastata</i> (<i>P. leptosepala</i> ?)	whiteleaf phacelia
<i>Phacelia procera</i>	tall scorpion-weed
<i>Physaria alpestris</i>	alpine twinpod
<i>Pinus albicaulis</i>	whitebark pine
<i>Pinus contorta</i>	lodgepole pine
<i>Pinus monticola</i>	western white pine
<i>Pinus ponderosa</i>	ponderosa pine
<i>Piperia unalasensis</i>	Alaska rein orchid
<i>Plantago lanceolata</i>	English plantain
<i>Plantago major</i> *	common plantain
<i>Polemonium californicum</i> (<i>P. pulcherrimum</i> var. <i>calycinum</i>)	low Jacob's-ladder
<i>Polemonium elegans</i>	elegant Jacob's-ladder
<i>Polygonum douglasii</i>	Douglas' knotweed
<i>Polystichum</i> sp.	swordfern
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	black cottonwood
<i>Prosartes hookeri</i> (<i>Disporum hookeri</i>)	Hooker's fairybells
<i>Prunella vulgaris</i>	heal-all
<i>Prunus emarginata</i>	bitter cherry
<i>Pseudostellaria jamesiana</i> (<i>Stellaria jamesiana</i>)	sticky starwort
<i>Pteridium aquilinum</i>	bracken
<i>Pyrola asarifolia</i>	pink pyrola
<i>Pyrola picta</i>	white-vein wintergreen
<i>Ranunculus uncinatus</i>	little buttercup
<i>Rhamnus purshiana</i>	cascara
<i>Rhododendron albiflorum</i>	white rhododendron

<i>Ribes hudsonianum</i>	Hudson Bay currant
<i>Ribes lacustre</i>	prickly current
<i>Ribes viscosissimum</i>	sticky current
<i>Rosa gymnocarpa</i>	baldhip rose
<i>Rosa nutkana</i> var. <i>hispida</i>	Nootka rose
<i>Rubus leucodermis</i>	blackcap raspberry
<i>Rubus parviflorus</i>	thimbleberry
<i>Salix scouleriana</i>	Scouler's willow
<i>Sambucus</i> sp.	elderberry
<i>Sanicula graveolens</i>	Sierran black-snakeroot
<i>Saxifraga cespitosa</i>	tufted saxifrage
<i>Sedum divergens</i>	spreading stonecrop
<i>Sedum lanceolatum</i> var. <i>lanceolatum</i>	lanceleaved stonecrop
<i>Senecio triangularis</i>	arrowleaf groundsel
<i>Silene latifolia</i> (<i>Lychnis alba</i>)	white campion
<i>Silene parryi</i>	Parry's catchfly
<i>Sorbus scopulina</i>	mountain-ash
<i>Spiraea lucida</i> (<i>S. betulifolia</i>)	shiny-leaf spiraea
<i>Streptopus amplexifolius</i>	claspleaf twisted-stalk
<i>Taraxacum officinale</i> *	common dandelion
<i>Thalictrum occidentale</i>	western meadow-rue
<i>Tiarella trifoliata</i> var. <i>unifoliata</i>	foamflower
<i>Tragopogon dubius</i> *	salsify
<i>Trientalis latifolia</i> (<i>T. borealis</i>)	western starflower
<i>Trifolium pratense</i> *	red clover
<i>Trifolium repens</i> *	white clover
<i>Trillium ovatum</i>	western trillium
<i>Tsuga heterophylla</i>	western hemlock
<i>Tsuga mertensiana</i>	mountain hemlock
<i>Turrilus glabra</i> (<i>Arabis glabra</i>)	tower mustard
<i>Urtica dioica</i>	stinging nettle
<i>Valeriana columbiana</i>	Wenatchee valerian
<i>Valeriana sitchensis</i>	Sitka valerian
<i>Veronica americana</i>	American speedwell
<i>Veronica officinalis</i>	common speedwell
<i>Vicia americana</i> var. <i>americana</i>	American vetch
<i>Viola glabella</i>	pioneer violet
<i>Viola purpurea</i> var. <i>venosa</i>	purplish violet
<i>Viola sempervirens</i>	evergreen violet
<i>Woodsia scopulina</i> (see varieties)	western cliff fern
<i>Zigadenus paniculatus</i>	paniculate death-camas

Trail 1219 and 1234, above Naneum Creek, T21N R18E S22, S23, S25, S26 & S36. Rare Care trip W. Gible, S. Reichard, J. Youngman, E Dixon, M. Henry 10July2010

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies grandis</i>	grand fir
<i>Achillea millefolium</i>	common yarrow
<i>Aconitum columbianum</i>	Columbian monkshood
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Agoseris elata</i>	tall agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Allium</i> sp.	onion
<i>Alnus viridis</i> ssp. <i>sinuata</i> (<i>Alnus sinuata</i>)	Sitka alder
<i>Angelica</i> sp.	angelica
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Arctostaphylos nevadensis</i>	pinemat manzanita
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Arnica mollis</i>	hairy arnica
<i>Artemisia tridentata</i>	tall sagebrush
<i>Bistorta bistortoides</i> (<i>Polygonum bistortoides</i>)	western bistort
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Camissonia subacaulis</i>	long-leaf evening primrose
<i>Cirsium edule</i>	horse thistle
<i>Claytonia lanceolata</i>	spring beauty
<i>Collinsia parviflora</i>	small-flowered blue-eyed Mary
<i>Cystopteris fragilis</i>	fragile fern
<i>Delphinium multiplex</i>	Kititias larkspur
<i>Delphinium nuttallianum</i>	upland larkspur
<i>Dodecatheon dentatum</i>	white shootingstar
<i>Drymocallis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil
<i>Eremogone capillaris</i> var. <i>americana</i> (<i>Arenaria capillaris</i> var. <i>americana</i>)	fescue sandwort
<i>Erigeron linearis</i>	lineleaf fleabane
<i>Eriogonum compositum</i>	northern buckwheat
<i>Eriogonum elatum</i>	tall buckwheat
<i>Eriogonum thymoides</i>	thyme-leaved buckwheat
<i>Eriophyllum lanatum</i>	woolly sunflower
<i>Erythranthe breweri</i> (<i>Mimulus breweri</i>)	Brewer's monkeyflower
<i>Floerkea proserpinacoides</i>	floerkea
<i>Fragaria virginiana</i> spp. <i>platypetala</i>	woods strawberry
<i>Galium triflorum</i>	fragrant bedstraw
<i>Geum triflorum</i>	prairie smoke
<i>Hackelia micrantha</i>	blue stickseed
<i>Hydrophyllum capitatum</i> var. <i>capitatum</i>	ballhead waterleaf
<i>Hydrophyllum tenuipes</i>	Pacific waterleaf
<i>Ipomopsis aggregata</i>	firecracker
<i>Juniperus communis</i>	mountain juniper
<i>Lathyrus</i> sp.	vetch
<i>Lewisia columbiana</i>	Columbia lewisia
<i>Lewisia pygmaea</i>	dwarf lewisia
<i>Lewisia rediviva</i>	bitterroot
<i>Lewisia tweedyi</i> (<i>Cistanthe tweedyi</i>)	Tweedy's lewisia
<i>Lithophragma parviflora</i>	small-flowered prairie-star
<i>Lomatium ambiguum</i>	streambank desert parsley
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Lomatium triternatum</i> (see varieties)	nine-leaf lomatium
<i>Lonicera involucrata</i>	black twinberry

<i>Microseris nutans</i>	nodding microseris
<i>Microsteris gracilis (Phlox gracilis)</i>	pink microsteris
<i>Mitella pentandra</i>	alpine mitrewort
<i>Moehringia macrophylla (Arenaria macrophylla)</i>	big-leaf sandwort
<i>Monardella odoratissima</i> var. <i>discolor</i>	mountain monardella
<i>Navarretia divaricata</i>	mountain navarettia
<i>Navarretia</i> sp.	navarettia
<i>Olsynium douglasii</i>	grass widows
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Penstemon procerus</i>	small-flowered penstemon
<i>Penstemon richardsonii</i>	Richardson's penstemon
<i>Perideridia gairdneri</i>	yampah
<i>Petasites frigidus</i> (see varieties)	coltsfoot
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Pinus contorta</i>	lodgepole pine
<i>Pinus ponderosa</i>	ponderosa pine
<i>Polemonium californicum (P. pulcherrimum</i> var. <i>calycinum)</i>	low Jacob's-ladder
<i>Potentilla gracilis</i> var. <i>flabelliformis</i>	Idaho cinquefoil
<i>Pseudoroegneria spicata (Agropyron spicatum)</i>	bluebunch wheatgrass
<i>Pyrrcoma hirta</i> var. <i>sonchifolia</i>	sticky goldenweed
<i>Ranunculus orthorynchus</i> (see varieties)	straight-beak buttercup
<i>Ranunculus uncinatus</i>	little buttercup
<i>Sambucus nigra</i> ssp. <i>cerulea (S. cerulea)</i>	blue elderberry
<i>Sedum stenopetalum</i> (see varieties)	wormleaf stonecrop
<i>Symphoricarpos albus</i>	common snowberry
<i>Taraxacum officinale</i> *	common dandelion
<i>Thalictrum occidentale</i>	western meadow-rue
<i>Trifolium repens</i> *	white clover
<i>Vaccinium scoparium</i>	grouseberry
<i>Valeriana sitchensis</i>	Sitka valerian
<i>Veronica</i> sp.	speedwell
<i>Viola purpurpea</i> var. <i>venosa</i>	purplish violet
<i>Zigadenus venenosus</i>	death-camas

Iron Peak Trail, J. Arnett 21July2008

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies amabilis</i>	silver fir
<i>Abies grandis</i>	grand fir
<i>Abies lasiocarpa</i>	subalpine fir
<i>Acer glabrum</i> var. <i>douglasii</i>	Douglas maple
<i>Achillea millefolium</i>	common yarrow
<i>Aconitum columbianum</i>	Columbian monkshood
<i>Adiantum aleuticum</i> (<i>A. pedatum</i>)	western maidenhair
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Alnus viridis</i> ssp. <i>sinuata</i> (<i>Alnus sinuata</i>)	Sitka alder
<i>Anaphalis margaritacea</i>	pearly everlasting
<i>Anemone drummondii</i>	Drummond's wind flower
<i>Angelica arguta</i>	sharp-tooth angelica
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Aquilegia formosa</i>	columbine
<i>Arctostaphylos nevadensis</i>	pinemat manzanita
<i>Arnica latifolia</i>	broadleaf arnica
<i>Arnica nevadensis</i>	Sierra arnica
<i>Artemisia ludoviciana</i> (or see <i>A. tilesii</i>)	western mugwort
<i>Aspidotis densa</i>	Indian's dream
<i>Berberis repens</i>	creeping Oregon-grape
<i>Bistorta bistortoides</i> (<i>Polygonum bistortoides</i>)	western bistort
<i>Campanula rotundifolia</i>	bluebell of Scotland
<i>Castilleja elmeri</i>	Wenatchee mountains Indian-paintbrush
<i>Castilleja hispida</i> var. <i>hispida</i>	harsh paintbrush
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fireweed
<i>Chimaphila menziesii</i>	little prince's-pine
<i>Chimaphila umbellata</i>	pipsissewa
<i>Cirsium edule</i>	horse thistle
<i>Cirsium edule</i> var. <i>wenatchense</i>	Wenatchee thistle
<i>Clintonia uniflora</i>	queen's-cup
<i>Crepis</i> sp.	hawksbeard
<i>Dactylis glomerata</i> *	orchardgrass
<i>Dodecatheon</i> cf. <i>conjugens</i>	slimpod shootingstar
<i>Equisetum</i> sp.	horsetail
<i>Eremogone capillaris</i> var. <i>americana</i> (<i>Arenaria capillaris</i> var. <i>americana</i>)	fescue sandwort
<i>Erigeron glacialis</i> var. <i>glacialis</i> (<i>E. peregrinus</i>)	wandering daisy
<i>Eriogonum compositum</i> var. <i>lancifolium</i>	northern buckwheat
<i>Eriogonum pyrolifolium</i> (see vars.)	alpine buckwheat
<i>Eriogonum umbellatum</i> var. <i>hypoleum</i>	sulfur flower
<i>Erysimum</i> sp.	
<i>Erythronium grandiflorum</i>	glacier lily
<i>Festuca idahoensis</i>	Idaho fescue
<i>Goodyera oblongifolia</i>	western rattlesnake orchid
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Hieracium scouleri</i> (<i>Hieracium albertinum</i>)	Scouler's hawkweed
<i>Juniperus communis</i>	mountain juniper
<i>Koeleria macrantha</i> (<i>K. cristata</i>)	prairie Koeler's grass
<i>Lewisia columbiana</i>	Columbia lewisia
<i>Ligusticum grayi</i>	Gray's lovage
<i>Lomatium brandegei</i>	Brandegee's lomatium
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Lonicera involucrata</i>	black twinberry
<i>Lupinus</i> - 1 dm, but not <i>L. lepidus</i>	lupine

<i>Lupinus wyethii</i>	Wyeth's lupine
<i>Luzula</i> sp.	woodrush
<i>Maianthemum racemosum</i> (<i>Smilacina racemosa</i>)	western solomon's-seal
<i>Minuartia nuttallii</i> var. <i>nuttallii</i> (<i>Arenaria nuttallii</i>)	nuttall's sandwort
<i>Moehringia macrophylla</i> (<i>Arenaria macrophylla</i>)	big-leaf sandwort
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Pedicularis contorta</i> var. <i>contorta</i>	white coiled beak lousewort
<i>Pedicularis groenlandica</i>	elephant-head lousewort
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Penstemon procerus</i>	small-flowered penstemon
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Phleum alpinum</i>	alpine timothy
<i>Phlox diffusa</i> (see varieties and subspecies)	spreading phlox
<i>Pinus albicaulis</i>	whitebark pine
<i>Pinus contorta</i>	lodgepole pine
<i>Pinus monticola</i>	western white pine
<i>Pinus ponderosa</i>	ponderosa pine
<i>Piperia unalascensis</i>	Alaska rein orchid
<i>Plantago lanceolata</i>	English plantain
<i>Platanthera stricta</i>	slender bog orchid
<i>Poa curtifolia</i>	little mountain bluegrass
<i>Polygonum davisiae</i> var. <i>glabrum</i> (<i>P. newberryi</i> var. <i>glabrum</i>)	knotweed
<i>Potentilla flabellifolia</i>	fan-leaf cinquefoil
<i>Prunus emarginata</i>	bitter cherry
<i>Pseudoroegneria spicata</i> (<i>Agropyron spicatum</i>)	bluebunch wheatgrass
<i>Pteridium aquilinum</i>	bracken
<i>Pyrola picta</i>	white-vein wintergreen
<i>Rhododendron albiflorum</i>	white rhododendron
<i>Rhododendron columbianum</i> (<i>Ledum glandulosum</i>)	western Labrador-tea
<i>Ribes lacustre</i>	prickly current
<i>Rubus parviflorus</i>	thimbleberry
<i>Sedum lanceolatum</i> var. <i>lanceolatum</i>	lanceleaved stonecrop
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Senecio triangularis</i>	arrowleaf groundsel
<i>Silene parryi</i>	Parry's catchfly
<i>Sorbus scopulina</i>	mountain-ash
<i>Sorbus sitchensis</i>	Sitka mountain-ash
<i>Spergularia salina</i> (<i>S. marina</i>)	saltmarsh sandspurry
<i>Spiraea lucida</i> (<i>S. betulifolia</i>)	shiny-leaf spiraea
<i>Streptopus amplexifolius</i>	claspleaf twisted-stalk
<i>Symphyotrichum foliaceum</i> (<i>Aster foliaceus</i>)	leafy aster
<i>Taraxacum officinale</i> *	common dandelion
<i>Taxus brevifolia</i>	Pacific yew
<i>Thalictrum occidentale</i>	western meadow-rue
<i>Thuja plicata</i>	western redcedar
<i>Trifolium repens</i> *	white clover
<i>Tsuga mertensiana</i>	mountain hemlock
<i>Vaccinium membranaceum</i>	thin-leaved huckleberry
<i>Vaccinium scoparium</i>	grouseberry
<i>Veratrum viride</i>	corn-lily
<i>Verbascum thapsus</i> *	common mullein
<i>Viola glabella</i>	pioneer violet

Esmerelda Basin

Rare Care trip; W. Gible, R. Ramsden, K. Van Norman, M. Henry, J. Thorson, 11 July 2010

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies grandis</i>	grand fir
<i>Abies lasiocarpa</i>	subalpine fir
<i>Achillea millefolium</i>	common yarrow
<i>Aconogonon davisiae</i> var. <i>glabrum</i> (<i>Polygonum newberryi</i> var. <i>glabrum</i>)	Newberry's fleecflower
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Allium crenulatum</i>	scalloped onion
<i>Alnus viridus</i> ssp. <i>sinuata</i> (<i>Alnus sinuata</i>)	Sitka alder
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Anemone drummondii</i>	Drummond's wind flower
<i>Angelica</i> sp.	angelica
<i>Aquilegia formosa</i>	columbine
<i>Arctostaphylos nevadensis</i>	pinemat manzanita
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Arnica latifolia</i>	broadleaf arnica
<i>Artemisia ludoviciana</i>	western mugwort
<i>Aspidotis densa</i>	Indian's dream
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Carex</i> sp.	sedge
<i>Castilleja miniata</i>	scarlet Indian-paintbrush
<i>Chaenactis thompsonii</i>	Thompson's chaenactis
<i>Cheilanthes gracillima</i>	lace lip-fern
<i>Chimaphila umbellata</i>	pipsissewa
<i>Cistanthe umbellata</i> (<i>Spraguea umbellata</i>)	pussypaws
<i>Claytonia cordifolia</i>	heartleaf springbeauty
<i>Claytonia megarhiza</i> (var. <i>nivalis</i>)	fellfields claytonia
<i>Cryptantha</i> sp.	cryptantha
<i>Cryptantha thompsonii</i>	Thompson's cryptantha
<i>Dasiphora fruticosa</i> (<i>Potentilla fruticosa</i>)	shrubby cinquefoil
<i>Dodecatheon jeffreyi</i>	tall mountain shootingstar
<i>Douglasia nivalis</i>	snow Douglasia
<i>Drymocallis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil
<i>Epilobium anagallidifolium</i>	alpine willowherb
<i>Erigeron compositus</i> var. <i>glabratus</i>	dwarf mountain fleane
<i>Eriogonum compositum</i> var. <i>lancifolium</i>	northern buckwheat
<i>Eriogonum pyrolifolium</i> (see vars.)	alpine buckwheat
<i>Erysimum arenicola</i>	sand-dwelling wallflower
<i>Galium multiflorum</i>	shrubby bedstraw
<i>Goodyera oblongifolia</i>	western rattlesnake orchid
<i>Heuchera cylindrica</i>	alumroot
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Hydrophyllum fendleri</i> var. <i>albifrons</i>	Fendler's waterleaf
<i>Ipomopsis aggregata</i>	firecracker
<i>Ivesia tweedyi</i>	Tweedy's mousetail
<i>Juniperus communis</i>	mountain juniper
<i>Lewisia columbiana</i>	Columbia lewisia
<i>Lomatium brandegei</i>	Brandegee's lomatium
<i>Lomatium cuspidatum</i>	Wenatchee desert parsley
<i>Lupinus sericeus</i> var. <i>fikeranus</i>	silky lupine
<i>Maianthemum racemosum</i> (<i>Smilacina racemosa</i>)	western solomon's-seal
<i>Maianthemum stellatum</i> (<i>Smilacina stellata</i>)	starry false Solomon-seal
<i>Micranthes odontoloma</i> (<i>Saxifraga arguta</i> , <i>punctata</i>)	brook saxifrage
<i>Minuartia nuttallii</i> var. <i>nuttallii</i> (<i>Arenaria nuttallii</i>)	nuttall's sandwort

<i>Moehringia macrophylla</i> (<i>Arenaria macrophylla</i>)	big-leaf sandwort
<i>Orthilia secunda</i>	one-sided pyrola
<i>Osmorhiza occidentalis</i>	western sweet cicely
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Pedicularis groenlandica</i>	elephant-head lousewort
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Phlox diffusa</i> (see varieties and subspecies)	spreading phlox
<i>Pinus albicaulis</i>	whitebark pine
<i>Platanthera dilatata</i>	white rein orchid
<i>Poa curtifolia</i>	little mountain bluegrass
<i>Polystichum lemmonii</i> (<i>P. mohrioides</i>)	Lemmon's hollyfern
<i>Potentilla flabellifolia</i>	fan-leaf cinquefoil
<i>Pyrola picta</i>	white-vein wintergreen
<i>Rhododendron columbianum</i> (<i>Ledum glandulosum</i>)	western Labrador-tea
<i>Ribes lacustre</i>	prickly current
<i>Sanicula graveolens</i>	Sierran black-snakeroot
<i>Saxifraga cespitosa</i>	tufted saxifrage
<i>Sedum lanceolatum</i> var. <i>lanceolatum</i>	lanceleaved stonecrop
<i>Senecio elmeri</i>	Elmer's ragwort
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Taxus brevifolia</i>	Pacific yew
<i>Thlaspi montanum</i> var. <i>montanum</i>	wild candytuft
<i>Tragopogon dubius</i> *	salsify
<i>Triantha occidentalis</i> ssp. <i>brevistyla</i> (<i>Tolfieldia glutinosa</i>)	sticky tofieldia
<i>Tsuga heterophylla</i>	western hemlock
<i>Tsuga mertensiana</i>	mountain hemlock
<i>Valeriana sitchensis</i>	Sitka valerian
<i>Viola glabella</i>	pioneer violet
<i>Viola purpurpea</i> var. <i>venosa</i>	purplish violet

North Teanaway Ridge, T21N R17E S5 & S8

Rare Care trip; E. Kuhlmann, B. Wendling, S. Reichard, E Dixon, J. Youngman 11 July 2010

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies grandis</i>	grand fir
<i>Achillea millefolium</i>	common yarrow
<i>Achlys triphylla</i>	vanilla-leaf
<i>Achnatherum lemmonii</i> ssp. <i>lemmonii</i> (<i>Stipa lemmonii</i>)	Lemmon's needlegrass
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Arabis</i> sp.	rock cress
<i>Arctostaphylos nevadensis</i>	pinemat manzanita
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Arnica latifolia</i>	broadleaf arnica
<i>Artemisia rigida</i>	stiff sage
<i>Artemisia tridentata</i>	tall sagebrush
<i>Balsamorhiza sagittata</i>	arrow-leaf balsamroot
<i>Berberis nervosa</i>	Cascade Oregon-grape
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Calamagrostis rubescens</i>	pine grass
<i>Carex geyeri</i>	elk sedge
<i>Ceanothus velutinus</i> var. <i>velutinus</i>	snowbrush
<i>Cheilanthes gracillima</i>	lace lip-fern
<i>Chimaphila umbellata</i>	pipsissewa
<i>Claytonia rubra</i>	red miners lettuce
<i>Clematis occidentalis</i> var. <i>dissecta</i> (<i>Clematis columbiana</i> var. <i>dissecta</i>)	Columbia clematis
<i>Corallorhiza maculata</i>	spotted coralroot
<i>Cordylanthus capitatus</i>	Yakima bird's-beak
<i>Cryptantha</i> sp.	cryptantha
<i>Delphinium lineapetalum</i>	thin-petal larkspur
<i>Drymocallis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil
<i>Erigeron linearis</i>	lineleaf fleabane
<i>Eriogonum compositum</i> var. <i>lanceifolium</i>	northern buckwheat
<i>Eriogonum elatum</i>	tall buckwheat
<i>Eriogonum umbellatum</i> var. <i>hypoleum</i>	sulfur flower
<i>Erythronium grandiflorum</i>	glacier lily
<i>Goodyera oblongifolia</i>	western rattlesnake orchid
<i>Hackelia diffusa</i> var. <i>cottonii</i>	Cotton's stickseed
<i>Hackelia micrantha</i>	blue stickseed
<i>Heuchera cylindrica</i>	alumroot
<i>Hieracium scouleri</i> (<i>Hieracium albertinum</i>)	Scouler's hawkweed
<i>Holodiscus discolor</i>	ocean spray
<i>Hydrophyllum capitatum</i> var. <i>capitatum</i>	ballhead waterleaf
<i>Iliamna</i> sp.	globemallow
<i>Ipomopsis aggregata</i>	firecracker
<i>Lathyrus</i> sp.	vetch
<i>Lewisia columbiana</i>	Columbia lewisia
<i>Lomatium triternatum</i> (see varieties)	nine-leaf lomatium
<i>Lupinus sericeus</i> var. <i>fikeranus</i>	silky lupine
<i>Lupinus wyethii</i>	Wyeth's lupine
<i>Maianthemum racemosum</i> (<i>Smilacina racemosa</i>)	western solomon's-seal
<i>Maianthemum stellatum</i> (<i>Smilacina stellata</i>)	starry false Solomon-seal
<i>Mitella trifida</i>	three-toothed mitrewort
<i>Moehringia macrophylla</i> (<i>Arenaria macrophylla</i>)	big-leaf sandwort

<i>Nemophila breviflora</i>	Great Basin nemophila
<i>Orobanche fasciculata</i>	clustered broomrape
<i>Orobanche uniflora</i>	naked broomrape
<i>Osmorhiza occidentalis</i>	western sweet cicely
<i>Paeonia brownii</i>	Brown's peony
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Phacelia procera</i>	tall scorpion-weed
<i>Pinus contorta</i>	lodgepole pine
<i>Pinus monticola</i>	western white pine
<i>Pinus ponderosa</i>	ponderosa pine
<i>Piperia unalascensis</i>	Alaska rein orchid
<i>Prunus emarginata</i>	bitter cherry
<i>Pseudostellaria jamesiana</i> (<i>Stellaria jamesiana</i>)	sticky starwort
<i>Pyrola picta</i>	white-vein wintergreen
<i>Ribes viscosissimum</i>	sticky current
<i>Rosa nutkana</i> var. <i>hispida</i>	Nootka rose
<i>Rudbeckia alpicola</i>	rudbeckia
<i>Sambucus nigra</i> ssp. <i>cerulea</i> (<i>S. cerulea</i>)	blue elderberry
<i>Sanicula graveolens</i>	Sierran black-snakeroot
<i>Sedum rupicola</i>	stonecrop
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Sorbus scopulina</i>	mountain-ash
<i>Spiraea lucida</i> (<i>S. betulifolia</i>)	shiny-leaf spiraea
<i>Symphoricarpos oreophilus</i>	mountain snowberry
<i>Tragopogon dubius</i> *	salsify
<i>Valeriana columbiana</i>	Wenatchee valerian
<i>Vicia</i> sp.	vetch
<i>Zigadenus venenosus</i>	death-camas

DeRoux Creek Trail (1392), and DeRoux Spur trail (1392.1) and along ridgetop T22N R15E S3 & S4. Rare Care trip: E. Kuhlmann, B. Wendling, R. Ramsden, J. Bresnan 10July2010

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies amabilis</i>	silver fir
<i>Abies grandis</i>	grand fir
<i>Abies lasiocarpa</i>	subalpine fir
<i>Acer glabrum</i> var. <i>douglasii</i>	Douglas maple
<i>Achillea millefolium</i>	common yarrow
<i>Achlys triphylla</i>	vanilla-leaf
<i>Aconitum columbianum</i>	Columbian monkshood
<i>Aconogonon davisiae</i> var. <i>glabrum</i> (<i>Polygonum newberryi</i> var. <i>glabrum</i>)	Newberry's fleecflower
<i>Actaea rubra</i>	baneberry
<i>Adiantum aleuticum</i> (<i>A. pedatum</i>)	western maidenhair
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Allium crenulatum</i>	scalloped onion
<i>Alnus viridus</i> ssp. <i>sinuata</i> (<i>Alnus sinuata</i>)	Sitka alder
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Anemone drummondii</i>	Drummond's wind flower
<i>Angelica arguta</i>	sharp-tooth angelica
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Aquilegia formosa</i>	columbine
<i>Arctostaphylos columbiana</i>	bristly manzanita
<i>Arctostaphylos nevadensis</i>	pinemat manzanita
<i>Arctostaphylos uva-ursi</i>	kinnikinnik
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Arnica latifolia</i>	broadleaf arnica
<i>Artemisia</i> sp. <i>norvegica</i> ?	mountain sage wort
<i>Aruncus dioicus</i> var. <i>acuminatus</i>	goatsbeard
<i>Aspidotis densa</i>	Indian's dream
<i>Aster</i> sp.	aster
<i>Athyrium filix-femina</i>	lady fern
<i>Balsamorhiza sagittata</i>	arrow-leaf balsamroot
<i>Berberis nervosa</i>	Cascade Oregon-grape
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Campanula rotundifolia</i>	bluebell of Scotland
<i>Carex hoodii</i>	Hood's sedge
<i>Carex rossii</i>	Ross' sedge
<i>Carex scopulorum</i>	fire-thread sedge
<i>Carex vesicaria</i>	oxbow sedge
<i>Castilleja elmeri</i>	Wenatchee mountains Indian-paintbrush
<i>Castilleja hispida</i> var. <i>hispida</i>	harsh paintbrush
<i>Castilleja miniata</i>	scarlet Indian-paintbrush
<i>Cheilanthes feei</i>	slender lipfern
<i>Cheilanthes gracillima</i>	lace lip-fern
<i>Chimaphila umbellata</i>	pipsissewa
<i>Cirsium vulgare</i> *	bull thistle
<i>Claytonia lanceolata</i>	spring beauty
<i>Clintonia uniflora</i>	queen's-cup
<i>Collinsia parviflora</i>	small-flowered blue-eyed Mary
<i>Collomia tenella</i>	diffuse collomia
<i>Corallorhiza maculata</i>	spotted coralroot
<i>Cryptogramma acrosticoides</i>	American parsley fern
<i>Delphinium lineapetalum</i>	thin-petal larkspur

<i>Dodecatheon jeffreyi</i>	tall mountain shootingstar
<i>Douglasia nivalis</i>	snow Douglasia
<i>Drymocallis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil
<i>Eremogone capillaris</i> var. <i>americana</i> (<i>Arenaria capillaris</i> var. <i>americana</i>)	fescue sandwort
<i>Eriogonum compositum</i> var. <i>lancifolium</i>	northern buckwheat
<i>Eriogonum compositum</i> var. <i>leianthum</i>	northern buckwheat
<i>Eriogonum elatum</i>	tall buckwheat
<i>Eriogonum pyrolifolium</i> (see vars.)	alpine buckwheat
<i>Eriogonum umbellatum</i> var. <i>hypoleum</i>	sulfur flower
<i>Erythranthe guttata</i> (<i>Mimulus guttatus</i>)	yellow monkeyflower
<i>Erythranthe lewisii</i> (<i>Mimulus lewisii</i>)	purple monkeyflower
<i>Erythronium montanum</i>	avalanche lily
<i>Festuca idahoensis</i>	Idaho fescue
<i>Fragaria virginiana</i> spp. <i>platypetala</i>	woods strawberry
<i>Galium multiflorum</i>	shrubby bedstraw
<i>Gnaphalium</i> sp.	cudweed
<i>Heracleum maximum</i> (<i>Heracleum lanatum</i>)	cow-parsnip
<i>Heuchera cylindrica</i>	alumroot
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Hieracium scouleri</i> (<i>Hieracium albertinum</i>)	Scouler's hawkweed
<i>Ipomopsis aggregata</i>	firecracker
<i>Lathyrus</i> sp.	vetch
<i>Lewisia columbiana</i>	Columbia lewisia
<i>Ligusticum</i> sp.	lovage
<i>Listera convallarioides</i>	broad-tip twayblade
<i>Lomatium brandegei</i>	Brandegee's Lomatium
<i>Lomatium cuspidatum</i>	Wenatchee desert parsley
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Luina hypoleuca</i>	silverback luina
<i>Lupinus bingenensis</i> var. <i>subsaccatus</i> (<i>L. sulphureus</i> var. <i>subsaccatus</i>)	sulfur lupine
<i>Lupinus sericeus</i> var. <i>fikeranus</i>	silky lupine
<i>Luzula</i> sp.	woodrush
<i>Maianthemum racemosum</i> (<i>Smilacina racemosa</i>)	western solomon's-seal
<i>Melica subulata</i> var. <i>subulata</i>	oniongrass
<i>Mertensia paniculata</i> var. <i>borealis</i> (var. <i>paniculata</i> has been collected south of Lake Easton)	tall lungwort
<i>Micranthes odontoloma</i> (<i>Saxifraga arguta, punctata</i>)	brook saxifrage
<i>Microsteris gracilis</i> (<i>Phlox gracilis</i>)	pink microsteris
<i>Minuartia nuttallii</i> var. <i>nuttallii</i> (<i>Arenaria nuttallii</i>)	nuttall's sandwort
<i>Moehringia macrophylla</i> (<i>Arenaria macrophylla</i>)	big-leaf sandwort
<i>Orthilia secunda</i>	one-sided pyrola
<i>Osmorhiza occidentalis</i>	western sweet cicely
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Pedicularis groenlandica</i>	elephant-head lousewort
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Penstemon rupicola</i>	rock penstemon
<i>Penstemon serrulatus</i>	Cascade penstemon
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Phlox diffusa</i> (see varieties and subspecies)	spreading phlox
<i>Phyllodoce empetriformis</i>	pink heather
<i>Picea engelmanni</i>	Engelmann spruce
<i>Pinus monticola</i>	western white pine
<i>Piperia unalascensis</i>	Alaska rein orchid
<i>Platanthera dilatata</i>	white rein orchid
<i>Platanthera stricta</i>	slender bog orchid
<i>Poa cusickii</i> (see subspecies)	Cusick's bluegrass

<i>Polystichum lemmonii</i> (<i>P. mohrioides</i>)	Lemmon's hollyfern
<i>Prunus emarginata</i>	bitter cherry
<i>Pseudoroegneria spicata</i> (<i>Agropyron spicatum</i>)	bluebunch wheatgrass
<i>Pteridium aquilinum</i>	bracken
<i>Pyrola asarifolia</i>	pink pyrola
<i>Pyrola picta</i>	white-vein wintergreen
<i>Rhododendron albiflorum</i>	white rhododendron
<i>Ribes lacustre</i>	prickly current
<i>Ribes viscosissimum</i>	sticky current
<i>Rubus lasiococcus</i>	dwarf bramble
<i>Rubus parviflorus</i>	thimbleberry
<i>Rumex acetosella</i> *	sheep sorrel
<i>Salix scouleriana</i>	Scouler's willow
<i>Sanicula graveolens</i>	Sierran black-snakeroot
<i>Saxifraga bronchialis</i> ssp. <i>austromontana</i>	spotted saxifrage
<i>Scirpus microcarpus</i>	small-fruited bullrush
<i>Sedum rupicola</i>	stonecrop
<i>Senecio elmeri</i>	Elmer's ragwort
<i>Senecio fremontii</i> var. <i>fremontii</i>	dwarf mountain groundsel
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Senecio triangularis</i>	arrowleaf groundsel
<i>Sorbus scopulina</i>	mountain-ash
<i>Taraxacum officinale</i> *	common dandelion
<i>Taxus brevifolia</i>	Pacific yew
<i>Thalictrum venulosum</i>	veiny-leaf meadow-rue
<i>Thlaspi montanum</i> var. <i>montanum</i>	wild candytuft
<i>Triantha occidentalis</i> ssp. <i>brevistyla</i> (<i>Tolfieldia glutinosa</i>)	sticky tofieldia
<i>Trillium ovatum</i>	western trillium
<i>Tsuga heterophylla</i>	western hemlock
<i>Tsuga mertensiana</i>	mountain hemlock
<i>Valeriana sitchensis</i>	Sitka valerian
<i>Vicia americana</i> var. <i>americana</i>	American vetch
<i>Viola glabella</i>	pioneer violet
<i>Viola purpurpea</i> var. <i>venosa</i>	purplish violet
<i>Woodsia scopulina</i> (see varieties)	western cliff fern

Tumwater Canyon

J. Arnett 31May2007, 28 and 29May and 24June2009; J. Arnett and J. Sandberg 25May2011; J. Arnett, W. Gible, E. Kuhlman, D. Zabowsky, B. Vance, and M. Khorasani 22May2012.

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies grandis</i>	grand fir
<i>Acer glabrum</i> var. <i>douglasii</i>	Douglas maple
<i>Acer macrophyllum</i>	bigleaf maple
<i>Achillea millefolium</i>	common yarrow
<i>Agoseris grandiflora</i>	large-flowered agoseris
<i>Agoseris heterophylla</i>	annual agoseris
<i>Agoseris retrorsa</i>	spear leaved agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Allium acuminatum</i>	taper tip onion
<i>Allium robinsonii</i> ?	Robinson's onion
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Angelica canbyi</i>	Canby's angelica
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Apocynum androsaemifolium</i>	dogbane
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Artemisia tridentata</i>	tall sagebrush
<i>Aspidotis densa</i>	Indian's dream
<i>Athysanus pusillus</i>	sandweed
<i>Balsamorhiza sagittata</i>	arrow-leaf balsamroot
<i>Berberis aquifolium</i>	tall Oregon grape
<i>Boechera</i> (<i>Arabis holboellii</i> , in part, misapplied)	rockcress
<i>Bromus tectorum</i>	cheatgrass
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Calochortus lyallii</i>	Lyall's mariposa lily
<i>Carex geyeri</i>	elk sedge
<i>Castilleja hispida</i> var. <i>hispida</i>	harsh paintbrush
<i>Ceanothus sanguineus</i>	redstem ceanothus
<i>Ceanothus velutinus</i> var. <i>velutinus</i>	snowbrush
<i>Centaurea diffusa</i> *	diffuse knapweed
<i>Cerastium arvense</i>	field chickweed
<i>Chaenactis ramosa</i> (included in <i>C. douglasii</i> on WFC)	branching chaenactis
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fireweed
<i>Cheilanthes gracillima</i>	lace lip-fern
<i>Claytonia perfoliata</i>	miner's lettuce
<i>Claytonia rubra</i>	red miners lettuce
<i>Clematis occidentalis</i> var. <i>dissecta</i> (<i>Clematis columbiana</i> var. <i>dissecta</i>)	Columbia clematis
<i>Collinsia parviflora</i>	small-flowered blue-eyed Mary
<i>Collomia grandiflora</i>	large-flowered collomia
<i>Collomia tenella</i>	diffuse collomia
<i>Comandra umbellata</i>	bastard toadflax
<i>Cryptantha ambigua</i>	obscure cryptantha
<i>Cryptantha simulans</i>	pine woods cryptantha
<i>Cryptantha torreyana</i>	Torrey's cryptantha
<i>Cystopteris fragilis</i>	fragile fern
<i>Dactylis glomerata</i> *	orchardgrass
<i>Dasiphora fruticosa</i> (<i>Potentilla fruticosa</i>)	shrubby cinquefoil
<i>Delphinium glaucum</i>	pale larkspur
<i>Delphinium nuttallianum</i>	upland larkspur
<i>Dodecatheon pulchellum</i> var. <i>pulchellum</i>	dark-throat shooting star
<i>Draba verna</i>	spring whitlowgrass

<i>Drymocallis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil
<i>Epilobium clavatum</i> (<i>E. alpinum</i>)	talus willowherb
<i>Equisetum laevigatum</i>	smooth scouring rush
<i>Erigeron filifolius</i>	threadleaf fleabane
<i>Eriogonum compositum</i>	northern buckwheat
<i>Eriogonum compositum</i> var. <i>lancifolium</i>	northern buckwheat
<i>Eriogonum elatum</i>	tall buckwheat
<i>Eriogonum heracleoides</i>	parsnip-flowered buckwheat
<i>Eriogonum strictum</i>	strick buckwheat
<i>Eriogonum umbellatum</i> var. <i>hypoleum</i>	sulfur flower
<i>Erythranthe alsinoides</i> (<i>Mimulus alsinoides</i>)	chickweed monkeyflower
<i>Erythranthe breweri</i> (<i>Mimulus breweri</i>)	Brewer's monkeyflower
<i>Erythranthe</i> cf. <i>floribunda</i> (<i>Mimulus floribundis</i>)	monkeyflower
<i>Erythranthe guttata</i> (<i>Mimulus guttatus</i>)	yellow monkeyflower
<i>Erythronium grandiflorum</i>	glacier lily
<i>Fritillaria pudica</i>	yellowbells
<i>Galium aparine</i>	cleavers
<i>Galium multiflorum</i>	shrubby bedstraw
<i>Hackelia diffusa</i> var. <i>arida</i>	steppe stickseed
<i>Hackelia venusta</i>	showy stickseed
<i>Hemieva ranunculifolia</i> (<i>Suksdorfia ranunculifolia</i>)	buttercup-leaved suksdorfia
<i>Heuchera cylindrica</i>	alumroot
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Hieracium scouleri</i> (<i>Hieracium albertinum</i>)	Scouler's hawkweed
<i>Holodiscus discolor</i>	ocean spray
<i>Hydrophyllum capitatum</i> var. <i>capitatum</i>	ballhead waterleaf
<i>Iliamna longisepala</i>	long-sepal globemallow
<i>Lactuca muralis</i>	wall lettuce
large unknown herb with sagittate leaves in whorls of 3 or 4 (or two)	
<i>Lathyrus nevadensis</i> var. <i>puniceus</i>	Sierran peavine
<i>Lathyrus pauciflorus</i> var. <i>pauciflorus</i>	few-flowered peavine
<i>Leptosiphon liniflorus</i> (<i>Linanthus pharnaceoides</i>)	thread-stemmed linanthus
<i>Lewisia rediviva</i>	bitterroot
<i>Lewisia tweedyi</i> (<i>Cistanthe tweedyi</i>)	Tweedy's lewisia
<i>Linaria dalmatica</i> ssp. <i>dalmatica</i> * (<i>Linaria genistifolia</i> var. <i>dalmatica</i>)	Dalmatian toadflax
<i>Lomatium brandegei</i>	Brandegee's lomatium
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Lonicera ciliosa</i>	trumpet honeysuckle
<i>Lotus corniculatus</i>	birdfoot trefoil
<i>Lupinus</i> cf. <i>sericeus</i> var. <i>fikeranus</i> , keys to <i>L. wyethi</i>	silky lupine
<i>Lupinus latifolius</i> var. <i>latifolius</i>	broadleaf lupine
<i>Lupinus wyethii</i>	Wyeth's lupine
<i>Madia gracilis</i>	tarweed
<i>Maianthemum racemosum</i> (<i>Smilacina racemosa</i>)	western solomon's-seal
<i>Matricaria matricarioides</i> *	pineapple weed
<i>Mentzelia albicaulis</i> (Icicle plants with ovate acute bracts)	small-flowered mentzelia
<i>Micranthes idahoensis/occidentalis</i> (<i>Saxifraga</i>)	western saxifrage
<i>Micranthes odontoloma</i> (<i>Saxifraga arguta, punctata</i>)	brook saxifrage
<i>Montia parvifolia</i>	streambank springbeauty
<i>Orobanche uniflora</i>	naked broomrape
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Penstemon pruinosis</i>	Chelan penstemon
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Phacelia linearis</i>	thread-leaf scorpion-weed
<i>Philadelphus lewisii</i>	mock-orange
<i>Phlox diffusa</i> (see varieties and subspecies)	spreading phlox

<i>Pinus ponderosa</i>	ponderosa pine
<i>Piptatherum exiguum</i> (<i>Oryzopsis exigua</i>)	little mountain ricegrass
<i>Poa bulbosa</i> ssp. <i>vivipara</i> *	bulbous bluegrass
<i>Poa secunda</i> (see subspecies)	Sandberg's bluegrass
<i>Polystichum imbricans</i>	imbricate sword fern
<i>Potentilla recta</i> *	sulfur cinquefoil
<i>Prunus emarginata</i>	bitter cherry
<i>Prunus virginiana</i>	chokecherry
<i>Pseudoroegneria spicata</i> (<i>Agropyron spicatum</i>)	bluebunch wheatgrass
<i>Pyrola picta</i>	white-vein wintergreen
<i>Rosa gymnocarpa</i>	baldhip rose
<i>Rosa woodsii</i> var. <i>ultramontana</i>	Wood's rose
<i>Rubus parviflorus</i>	thimbleberry
<i>Salix scouleriana</i>	Scouler's willow
<i>Sambucus nigra</i> ssp. <i>cerulea</i> (<i>S. cerulea</i>)	blue elderberry
<i>Saxifragopsis fragarioides</i>	strawberry saxifrage
<i>Selaginella wallacei</i>	Wallaces selaginella
<i>Senecio integerrimus</i> var. <i>ochroleucus</i>	pale western groundsel
<i>Silene menziesii</i> (some flowers to 10 mm across in Tumwater Canyon)	Menzies' catchfly
<i>Silene seelyi</i>	Seely's catchfly
<i>Spiraea lucida</i> (<i>S. betulifolia</i>)	shiny-leaf spiraea
<i>Stephanomeria tenuifolia</i>	wire lettuce
<i>Suksdorfia violacea</i>	violet mock brookfoam
<i>Symphoricarpos albus</i>	common snowberry
<i>Taraxacum officinale</i> *	common dandelion
<i>Tragopogon dubius</i> *	salsify
<i>Trientalis latifolia</i> (<i>T. borealis</i>)	western starflower
<i>Trifolium hybridum</i> *	Alsike clover
<i>Vaccinium membranaceum</i>	thin-leaved huckleberry
<i>Viola purpurpea</i> var. <i>venosa</i>	purplish violet
<i>Woodsia oregana</i> ssp. <i>oregana</i>	western cliff fern
<i>Zigadenus venenosus</i>	death-camas
<i>Zigadenus venenosus</i> var. <i>gramineus</i>	death camas

Tumwater Mountain

J. Arnett 29May2009, 17June2009, 24June2009

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies grandis</i>	grand fir
<i>Acer glabrum</i> var. <i>douglasii</i>	Douglas maple
<i>Acer macrophyllum</i>	bigleaf maple
<i>Achillea millefolium</i>	common yarrow
<i>Agoseris grandiflora</i>	large-flowered agoseris
<i>Agoseris heterophylla</i>	annual agoseris
<i>Agoseris retrorsa</i>	spear leaved agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Allium acuminatum</i>	taper tip onion
<i>Allium robinsonii</i> ?	Robinson's onion
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Angelica canbyi</i>	Canby's angelica
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Apocynum androsaemifolium</i>	dogbane
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Artemisia tridentata</i>	tall sagebrush
<i>Aspidotis densa</i>	Indian's dream
<i>Athysanus pusillus</i>	sandweed
<i>Balsamorhiza sagittata</i>	arrow-leaf balsamroot
<i>Berberis aquifolium</i>	tall Oregon grape
<i>Boechea</i> (<i>Arabis holboellii</i> , in part, misapplied)	rockcress
<i>Bromus tectorum</i>	cheatgrass
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Calochortus lyallii</i>	Lyall's mariposa lily
<i>Carex geyeri</i>	elk sedge
<i>Castilleja hispida</i> var. <i>hispida</i>	harsh paintbrush
<i>Ceanothus sanguineus</i>	redstem ceanothus
<i>Ceanothus velutinus</i> var. <i>velutinus</i>	snowbrush
<i>Centaurea diffusa</i> *	diffuse knapweed
<i>Cerastium arvense</i>	field chickweed
<i>Chaenactis ramosa</i> (included in <i>C. douglasii</i> on WFC)	branching chaenactis
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fireweed
<i>Cheilanthes gracillima</i>	lace lip-fern
<i>Claytonia perfoliata</i>	miner's lettuce
<i>Claytonia rubra</i>	red miners lettuce
<i>Clematis occidentalis</i> var. <i>dissecta</i> (<i>Clematis columbiana</i> var. <i>dissecta</i>)	Columbia clematis
<i>Collinsia parviflora</i>	small-flowered blue-eyed Mary
<i>Collomia grandiflora</i>	large-flowered collomia
<i>Collomia tenella</i>	diffuse collomia
<i>Comandra umbellata</i>	bastard toadflax
<i>Cryptantha ambigua</i>	obscure cryptantha
<i>Cryptantha simulans</i>	pine woods cryptantha
<i>Cryptantha torreyana</i>	Torrey's cryptantha
<i>Cystopteris fragilis</i>	fragile fern
<i>Dactylis glomerata</i> *	orchardgrass
<i>Dasiphora fruticosa</i> (<i>Potentilla fruticosa</i>)	shrubby cinquefoil
<i>Delphinium glaucum</i>	pale larkspur
<i>Delphinium nuttallianum</i>	upland larkspur
<i>Dodecatheon pulchellum</i> var. <i>pulchellum</i>	dark-throat shooting star
<i>Draba verna</i>	spring whitlowgrass
<i>Drymocallis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil

<i>Epilobium clavatum</i> (<i>E. alpinum</i>)	talus willowherb
<i>Equisetum laevigatum</i>	smooth scouring rush
<i>Erigeron filifolius</i>	threadleaf fleabane
<i>Eriogonum compositum</i>	northern buckwheat
<i>Eriogonum compositum</i> var. <i>lancifolium</i>	northern buckwheat
<i>Eriogonum elatum</i>	tall buckwheat
<i>Eriogonum heracleoides</i>	parsnip-flowered buckwheat
<i>Eriogonum strictum</i>	strick buckwheat
<i>Eriogonum umbellatum</i> var. <i>hypoleum</i>	sulfur flower
<i>Erythranthe alsinoides</i> (<i>Mimulus alsinoides</i>)	chickweed monkeyflower
<i>Erythranthe breweri</i> (<i>Mimulus breweri</i>)	Brewer's monkeyflower
<i>Erythranthe</i> cf. <i>floribunda</i> (<i>Mimulus floribundis</i>)	monkeyflower
<i>Erythranthe guttata</i> (<i>Mimulus guttatus</i>)	yellow monkeyflower
<i>Erythronium grandiflorum</i>	glacier lily
<i>Fritillaria pudica</i>	yellowbells
<i>Galium aparine</i>	cleavers
<i>Galium multiflorum</i>	shrubby bedstraw
<i>Hackelia diffusa</i> var. <i>arida</i>	steppe stickseed
<i>Hackelia venusta</i>	showy stickseed
<i>Hemieva ranunculifolia</i> (<i>Suksdorfia ranunculifolia</i>)	buttercup-leaved suksdorfia
<i>Heuchera cylindrica</i>	alumroot
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Hieracium scouleri</i> (<i>Hieracium albertinum</i>)	Scouler's hawkweed
<i>Holodiscus discolor</i>	ocean spray
<i>Hydrophyllum capitatum</i> var. <i>capitatum</i>	ballhead waterleaf
<i>Iliamna longisepala</i>	long-sepal globemallow
<i>Lactuca muralis</i>	wall lettuce
large unknown herb with sagittate leaves in whorls of 3 or 4 (or two)	
<i>Lathyrus nevadensis</i> var. <i>punicus</i>	Sierran peavine
<i>Lathyrus pauciflorus</i> var. <i>pauciflorus</i>	few-flowered peavine
<i>Leptosiphon liniflorus</i> (<i>Linanthus pharnaceoides</i>)	thread-stemmed linanthus
<i>Lewisia rediviva</i>	bitterroot
<i>Lewisia tweedyi</i> (<i>Cistanthe tweedyi</i>)	Tweedy's lewisia
<i>Linaria dalmatica</i> ssp. <i>dalmatica</i> * (<i>Linaria genistifolia</i> var. <i>dalmatica</i>)	Dalmatian toadflax
<i>Lomatium brandegei</i>	Brandegee's lomatium
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Lonicera ciliosa</i>	trumpet honeysuckle
<i>Lotus corniculatus</i>	birdfoot trefoil
<i>Lupinus</i> cf. <i>sericeus</i> var. <i>fikeranus</i> , keys to <i>L. wyethii</i>	silky lupine
<i>Lupinus latifolius</i> var. <i>latifolius</i>	broadleaf lupine
<i>Lupinus wyethii</i>	Wyeth's lupine
<i>Madia gracilis</i>	tarweed
<i>Maianthemum racemosum</i> (<i>Smilacina racemosa</i>)	western solomon's-seal
<i>Matricaria matricarioides</i> *	pineapple weed
<i>Mentzelia albicaulis</i> (Icicle plants with ovale acute bracts)	small-flowered mentzelia
<i>Micranthes idahoensis/occidentalis</i> (<i>Saxifraga</i>)	western saxifrage
<i>Micranthes odontoloma</i> (<i>Saxifraga arguta, punctata</i>)	brook saxifrage
<i>Montia parvifolia</i>	streambank springbeauty
<i>Orobanche uniflora</i>	naked broomrape
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Penstemon pruinus</i>	Chelan penstemon
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Phacelia linearis</i>	thread-leaf scorpion-weed
<i>Philadelphus lewisii</i>	mock-orange
<i>Phlox diffusa</i> (see varieties and subspecies)	spreading phlox
<i>Pinus ponderosa</i>	ponderosa pine

<i>Piptatherum exiguum</i> (<i>Oryzopsis exigua</i>)	little mountain ricegrass
<i>Poa bulbosa</i> ssp. <i>vivipara</i> *	bulbous bluegrass
<i>Poa secunda</i> (see subspecies)	Sandberg's bluegrass
<i>Polystichum imbricans</i>	imbricate sword fern
<i>Potentilla recta</i> *	sulfur cinquefoil
<i>Prunus emarginata</i>	bitter cherry
<i>Prunus virginiana</i>	chokecherry
<i>Pseudoroegneria spicata</i> (<i>Agropyron spicatum</i>)	bluebunch wheatgrass
<i>Pyrola picta</i>	white-vein wintergreen
<i>Rosa gymnocarpa</i>	baldhip rose
<i>Rosa woodsii</i> var. <i>ultramontana</i>	Wood's rose
<i>Rubus parviflorus</i>	thimbleberry
<i>Salix scouleriana</i>	Scouler's willow
<i>Sambucus nigra</i> ssp. <i>cerulea</i> (<i>S. cerulea</i>)	blue elderberry
<i>Saxifragopsis fragarioides</i>	strawberry saxifrage
<i>Selaginella wallacei</i>	Wallaces selaginella
<i>Senecio integerrimus</i> var. <i>ochroleucus</i>	pale western groundsel
<i>Silene menziesii</i> (some flowers to 10 mm across in Tumwater Canyon)	Menzies' catchfly
<i>Silene seelyi</i>	Seely's catchfly
<i>Spiraea lucida</i> (<i>S. betulifolia</i>)	shiny-leaf spiraea
<i>Stephanomeria tenuifolia</i>	wire lettuce
<i>Suksdorfia violacea</i>	violet mock brookfoam
<i>Symphoricarpos albus</i>	common snowberry
<i>Taraxacum officinale</i> *	common dandelion
<i>Tragopogon dubius</i> *	salsify
<i>Trientalis latifolia</i> (<i>T. borealis</i>)	western starflower
<i>Trifolium hybridum</i> *	Alsike clover
<i>Vaccinium membranaceum</i>	thin-leaved huckleberry
<i>Viola purpurpea</i> var. <i>venosa</i>	purplish violet
<i>Woodsia oregana</i> ssp. <i>oregana</i>	western cliff fern
<i>Zigadenus venenosus</i>	death-camas
<i>Zigadenus venenosus</i> var. <i>gramineus</i>	death camas

Tumwater Canyon on the south side of the Wenatchee River

J. Arnett, C. Cordova, and T. McCracken, 14May2008

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Acer macrophyllum</i>	bigleaf maple
<i>Berberis aquifolium</i>	tall Oregon grape
<i>Botrychium multifidum</i>	leathery grapefern
<i>Carex geyeri</i>	elk sedge
<i>Castilleja hispida</i> var. <i>hispida</i>	harsh paintbrush
<i>Cerastium arvense</i>	field chickweed
<i>Cryptogramma</i> cf. <i>cascadensis</i> : short petioles with old petioles, but dark purple, leaves barely reflexed	Cascade parsley fern
<i>Dodecatheon pulchellum</i> var. <i>pulchellum</i>	dark-throat shooting star
<i>Erythranthe alsinoides</i> (<i>Mimulus alsinoides</i>)	chickweed monkeyflower
<i>Hemieva ranunculifolia</i> (<i>Suksdorfia ranunculifolia</i>)	buttercup-leaved suksdorfia
<i>Iliamna</i> sp.	globe mallow
<i>Lomatium ambiguum</i>	streambank desert parsley
<i>Lupinus wyethii</i>	Wyeth's lupine
<i>Micranthes lyallii</i> (<i>Saxifraga lyallii</i>)	red-stemmed saxifrage
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Phacelia linearis</i>	thread-leaf scorpion-weed
<i>Prunus emarginata</i>	bitter cherry
<i>Salix scouleriana</i>	Scouler's willow
<i>Senecio integerrimus</i> var. <i>ochroleucus</i>	pale western groundsel
<i>Spiraea lucida</i> (<i>S. betulifolia</i>)	shiny-leaf spiraea
<i>Suksdorfia violacea</i>	violet mock brookfoam

Hatchery Creek Trail

J. Arnett 2June2007, 7Aug2007; Julia Bent 20-23August2010

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Acer macrophyllum</i>	bigleaf maple
<i>Abies amabilis</i>	silver fir
<i>Abies grandis</i>	grand fir
<i>Abies lasiocarpa</i>	subalpine fir
<i>Acer circinatum</i>	vine maple
<i>Acer glabrum</i> var. <i>douglasii</i>	Douglas maple
<i>Achillea millefolium</i>	common yarrow
<i>Aconitum columbianum</i>	Columbian monkshood
<i>Actaea rubra</i>	baneberry
<i>Adenocaulon bicolor</i>	pathfinder
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Alnus rubra</i>	red alder
<i>Alnus viridus</i> ssp. <i>sinuata</i> (<i>Alnus sinuata</i>)	Sitka alder
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Angelica arguta</i>	sharp-tooth angelica
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Apocynum androsaemifolium</i>	dogbane
<i>Aquilegia flavescens</i>	yellow columbine
<i>Aquilegia formosa</i>	columbine
<i>Arabis</i> sp.	rock cress
<i>Arctostaphylos nevadensis</i>	pinemat manzanita
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Arnica mollis</i>	hairy arnica
<i>Asarum caudatum</i>	wild ginger
<i>Athyrium filix-femina</i>	lady fern
<i>Balsamorhiza sagittata</i>	arrow-leaf balsamroot
<i>Berberis aquifolium</i>	tall Oregon grape
<i>Berberis nervosa</i>	Cascade Oregon-grape
<i>Berberis repens</i>	creeping Oregon-grape
<i>Boechea pauciflora</i> (<i>Arabis sparsiflora</i>)	rockcress
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Calamagrostis</i> cf. <i>tweedyi</i> (lvs only)	Cascade reedgrass
<i>Carex geyeri</i>	elk sedge
<i>Carex pachystachya</i>	thick-headed sedge
<i>Ceanothus sanguineus</i>	redstem ceanothus
<i>Ceanothus velutinus</i> var. <i>velutinus</i>	snowbrush
<i>Centaurea diffusa</i> *	diffuse knapweed
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fireweed
<i>Cheilanthes gracillima</i>	lace lip-fern
<i>Chimaphila umbellata</i>	pipsissewa
<i>Claytonia cordifolia</i>	heartleaf springbeauty
<i>Clematis occidentalis</i> var. <i>dissecta</i> (<i>Clematis columbiana</i> var. <i>dissecta</i>)	Columbia clematis
<i>Clintonia uniflora</i>	queen's-cup
<i>Collomia tenella</i>	diffuse collomia
<i>Cystopteris fragilis</i>	fragile fern
<i>Delphinium nuttallianum</i>	upland larkspur
<i>Dodecatheon dentatum</i>	white shootingstar
<i>Dryopteris felix-mas</i>	male fern
<i>Epilobium minutum</i>	small-flowered willowherb
<i>Eriogonum compositum</i>	northern buckwheat
<i>Eriogonum elatum</i>	tall buckwheat

<i>Eriogonum thymoides</i>	thyme-leaved buckwheat
<i>Erysimum arenicola</i>	sand-dwelling wallflower
<i>Erythronium grandiflorum</i>	glacier lily
<i>Galium triflorum</i>	fragrant bedstraw
<i>Geum macrophyllum</i> var. <i>macrophyllum</i>	large-leaved avens
<i>Goodyera oblongifolia</i>	western rattlesnake orchid
<i>Heracleum maximum</i> (<i>Heracleum lanatum</i>)	cow-parsnip
<i>Heuchera cylindrica</i>	alumroot
<i>Holodiscus discolor</i>	ocean spray
<i>Hydrophyllum capitatum</i> var. <i>capitatum</i>	ballhead waterleaf
<i>Hydrophyllum fendleri</i> var. <i>albifrons</i>	Fendler's waterleaf
<i>Ipomopsis aggregata</i>	firecracker
<i>Lathyrus pauciflorus</i> var. <i>pauciflorus</i>	few-flowered peavine
<i>Lewisia tweedyi</i> (<i>Cistanthe tweedyi</i>)	Tweedy's lewisia
<i>Lilium columbianum</i>	tiger lily
<i>Lomatium brandegei</i>	Brandegee's lomatium
<i>Lonicera ciliosa</i>	trumpet honeysuckle
<i>Lupinus lepidus</i> var. <i>lobbii</i>	prairie lupine
<i>Lupinus wyethii</i>	Wyeth's lupine
<i>Luzula parviflora</i>	small-flowered woodrush
<i>Maianthemum racemosum</i> (<i>Smilacina racemosa</i>)	western solomon's-seal
<i>Melica</i> sp.	oniongrass
<i>Menziesia ferruginea</i>	fool's-huckleberry
<i>Mertensia paniculata</i> var. <i>borealis</i> (var. <i>paniculata</i> has been collected south of Lake Easton)	tall lungwort
<i>Microsteris gracilis</i> (<i>Phlox gracilis</i>)	pink microsteris
<i>Mitella breweri</i>	Brewer's mitrewort
<i>Mitella pentandra</i>	alpine mitrewort
<i>Mitella trifida</i>	three-toothed mitrewort
<i>Moehringia macrophylla</i> (<i>Arenaria macrophylla</i>)	big-leaf sandwort
<i>Oplopanax horridum</i>	devil's club
<i>Orthilia secunda</i>	one-sided pyrola
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Phlox speciosa</i> (see subspecies)	showy phlox
<i>Picea engelmanni</i>	Engelmann spruce
<i>Pinus contorta</i>	lodgepole pine
<i>Pinus ponderosa</i>	ponderosa pine
<i>Platanthera dilatata</i>	white rein orchid
<i>Platanthera stricta</i>	slender bog orchid
<i>Poa bulbosa</i> ssp. <i>vivipara</i> *	bulbous bluegrass
<i>Polemonium californicum</i> (<i>P. pulcherrimum</i> var. <i>calycinum</i>)	low Jacob's-ladder
<i>Polystichum munitum</i>	sword fern
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	black cottonwood
<i>Populus tremuloides</i>	quaking aspen
<i>Prosartes hookeri</i> (<i>Disporum hookeri</i>)	Hooker's fairybells
<i>Prunus emarginata</i>	bitter cherry
<i>Pteridium aquilinum</i>	bracken
<i>Pyrola chlorantha</i>	green-flower wintergreen
<i>Pyrola picta</i>	white-vein wintergreen
<i>Ranunculus acris</i>	meadow buttercup
<i>Rhamnus purshiana</i>	casara
<i>Ribes cereum</i> (see varieties)	wax currant
<i>Ribes lacustre</i>	prickly current
<i>Ribes sanguineum</i> var. <i>sanguineum</i>	red-flowering currant

<i>Ribes viscosissimum</i>	sticky current
<i>Rosa gymnocarpa</i>	baldhip rose
<i>Rubus parviflorus</i>	thimbleberry
<i>Rumex acetosella</i> *	sheep sorrel
<i>Salix scouleriana</i>	Scouler's willow
<i>Sambucus nigra</i> ssp. <i>cerulea</i> (<i>S. cerulea</i>)	blue elderberry
<i>Sedum divergens</i>	spreading stonecrop
<i>Sedum lanceolatum</i> var. <i>lanceolatum</i>	lanceleaved stonecrop
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Senecio triangularis</i>	arrowleaf groundsel
<i>Spiraea lucida</i> (<i>S. betulifolia</i>)	shiny-leaf spiraea
<i>Stachys coolyae</i>	Cooly's hedge-nettle
<i>Streptopus amplexifolius</i>	claspleaf twisted-stalk
<i>Streptopus lanceolatus</i> (<i>S. roseus</i>)	rosy twisted-stalk
<i>Symphoricarpos albus</i>	common snowberry
<i>Taraxacum officinale</i> *	common dandelion
<i>Thalictrum occidentale</i>	western meadow-rue
<i>Thlaspi montanum</i> var. <i>montanum</i>	wild candytuft
<i>Trientalis latifolia</i> (<i>T. borealis</i>)	western starflower
<i>Trifolium hybridum</i> *	Alsike clover
<i>Trifolium repens</i> *	white clover
<i>Trillium ovatum</i>	western trillium
<i>Urtica dioica</i>	stinging nettle
<i>Vaccinium membranaceum</i>	thin-leaved huckleberry
<i>Vaccinium scoparium</i>	grouseberry
<i>Valeriana sitchensis</i>	Sitka valerian
<i>Viola glabella</i>	pioneer violet

Big Jim/Lake Augusta area

J. Arnett 8-10 August 2007, Julia Bent 20-23 August 2010

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Achillea millefolium</i>	common yarrow
<i>Agrostis</i> , strongly spreading infl	bentgrass
<i>Anemone drummondii</i>	Drummond's wind flower
<i>Anemone occidentalis</i>	western anemone
<i>Antennaria lanata</i>	wooly pussytoes
<i>Aquilegia flavescens</i>	yellow columbine
<i>Arabis lyallii</i>	Lyall's rockcress
<i>Arnica latifolia</i>	broadleaf arnica
<i>Arnica longifolia</i>	long-leaf arnica
<i>Artemisia furcata</i>	mugwort
<i>Bistorta bistortoides</i> (<i>Polygonum bistortoides</i>)	western bistort
<i>Caltha leptosepala</i>	elkslip
<i>Campanula parryi</i> var. <i>idahoensis</i>	Parry's harebell
<i>Carex hoodii</i>	Hood's sedge
<i>Carex spectabilis</i>	showy sedge
<i>Cassiope mertensiana</i> ssp. <i>mertensiana</i>	white heather
<i>Castilleja miniata</i>	scarlet Indian-paintbrush
<i>Castilleja parviflora</i> var. <i>albida</i>	mountain paintbrush
<i>Castilleja parviflora</i> var. <i>oreopola</i>	magenta paintbrush
<i>Cerastium arvense</i>	field chickweed
<i>Cistanthe umbellata</i> (<i>Spraguea umbellata</i>)	pussypaws
<i>Dasiphora fruticosa</i> (<i>Potentilla fruticosa</i>)	shrubby cinquefoil
<i>Douglasia nivalis</i>	snow Douglasia
<i>Dryas octopetala</i>	white mountain-avens
<i>Eremogone capillaris</i> var. <i>americana</i> (<i>Arenaria capillaris</i> var. <i>americana</i>)	fescue sandwort
<i>Ericameria greenei</i> (<i>Haplopappus greenei</i>)	Green's goldenweed
<i>Erigeron glacialis</i> var. <i>glacialis</i> (<i>E. peregrinus</i>)	wandering daisy
<i>Erigeron salishii</i>	Salish fleabane
<i>Eriogonum niveum</i>	snow buckwheat
<i>Eriogonum ovalifolium</i> var. <i>nivale</i>	Sierra cushion buckwheat
<i>Eriogonum umbellatum</i>	sulfur flower
<i>Eriophyllum lanatum</i>	woolly sunflower
<i>Erythranthe lewisii</i> (<i>Mimulus lewisii</i>)	purple monkeyflower
<i>Frasera speciosa</i>	giant frasera
<i>Gentiana calycosa</i>	mountain bog gentian
<i>Hackelia species novum</i>	Taylor's stickseed
<i>Juncus drummondii</i>	Drummond's rush
<i>Juncus mertensianus</i>	Merten's rush
<i>Juniperus communis</i>	mountain juniper
<i>Larix lyallii</i>	subalpine larch
<i>Leptarrhena pyrolifolia</i>	leatherleaf saxifrage
<i>Lewisia columbiana</i>	Columbia lewisia
<i>Ligusticum grayi</i>	Gray's lovage
<i>Ligusticum</i> sp.	lovage
<i>Luetkea pectinata</i>	partridgefoot
<i>Lupinus latifolius</i> var. <i>latifolius</i>	broadleaf lupine
<i>Nothocalais troximoides</i> (<i>Agoseris troximoides</i>)	false agoseris
<i>Parnassia fimbriata</i>	fringed grass-of-Parnassus
<i>Pedicularis contorta</i> var. <i>contorta</i>	white coiled beak lousewort
<i>Pedicularis groenlandica</i>	elephant-head lousewort
<i>Penstemon davidsonii</i> (see varieties)	Davidson's penstemon
<i>Penstemon procerus</i>	small-flowered penstemon

<i>Phacelia sericea</i>	silky phacelia
<i>Phlox diffusa</i> (see varieties and subspecies)	spreading phlox
<i>Phyllodoce empetriformis</i>	pink heather
<i>Phyllodoce glanduliflora</i>	yellow mountain heather
<i>Pinus albicaulis</i>	whitebark pine
<i>Platanthera cf. stricta</i> (yellowish, leafy stem)	slender bog orchid
<i>Potentilla diversifolia</i> var. <i>diversifolia</i>	diverse-leaved cinquefoil
<i>Potentilla flabellifolia</i>	fan-leaf cinquefoil
<i>Rhododendron columbianum</i> (<i>Ledum glandulosum</i>)	western Labrador-tea
<i>Salix</i> cf. <i>commutata</i> broad lvs soft pub both surfaces	under-green willow
<i>Salix</i> cf. <i>pseudomonticola</i> keyed fairly easily but need to confirm	false mountain willow
<i>Saxifraga bronchialis</i> ssp. <i>austromontana</i>	spotted saxifrage
<i>Sedum rupicola</i>	stonecrop
<i>Senecio elmeri</i>	Elmer's ragwort
<i>Senecio fremontii</i> var. <i>fremontii</i>	dwarf mountain groundsel
<i>Silene parryi</i>	Parry's catchfly
<i>Silene suksdorfii</i>	Suksdorf's catchfly
<i>Smelowskia calycina</i> var. <i>americana</i>	alpine smelowskia
<i>Solidago multiradiata</i>	northern goldenrod
<i>Sorbus scopulina</i>	mountain-ash
<i>Spiraea densiflora</i> var. <i>densiflora</i>	subalpine spiraea
<i>Veratrum viride</i>	corn-lily
<i>Veronica cusickii</i>	Cusick's speedwell
<i>Veronica wormskjoldii</i>	Wormskiold's speedwell

Chatter Creek Trail

J. Arnett 30July2008 and 1 Aug2008

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies amabilis</i>	silver fir
<i>Abies grandis</i>	grand fir
<i>Acer circinatum</i>	vine maple
<i>Acer glabrum</i> var. <i>douglasii</i>	Douglas maple
<i>Achillea millefolium</i>	common yarrow
<i>Adenocaulon bicolor</i>	pathfinder
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Alnus viridis</i> ssp. <i>sinuata</i> (<i>Alnus sinuata</i>)	Sitka alder
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Anaphalis margaritacea</i>	pearly everlasting
<i>Angelica genuflecta</i>	kneeling angelica
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Apocynum androsaemifolium</i>	dogbane
<i>Aquilegia formosa</i>	columbine
<i>Arabis</i> sp.	rock cress
<i>Arctostaphylos uva-ursi</i>	kinnikinnik
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Arnica longifolia</i>	long-leaf arnica
<i>Aruncus dioicus</i> var. <i>acuminatus</i>	goatsbeard
<i>Athyrium filix-femina</i>	lady fern
<i>Balsamorhiza sagittata</i>	arrow-leaf balsamroot
<i>Berberis aquifolium</i>	tall Oregon grape
<i>Berberis nervosa</i>	Cascade Oregon-grape
<i>Bromus</i> cf. <i>vulgaris</i>	brome
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Calamagrostis rubescens</i>	pinegrass
<i>Carex geyeri</i>	elk sedge
<i>Carex hoodii</i>	Hood's sedge
<i>Carex mertensii</i>	Merten's sedge
<i>Carex pachystachya</i>	thick-headed sedge
<i>Castilleja elmeri</i>	Wenatchee mountains Indian-paintbrush
<i>Castilleja hispida</i> var. <i>hispida</i>	harsh paintbrush
<i>Ceanothus velutinus</i> var. <i>velutinus</i>	snowbrush
<i>Centaurea diffusa</i> *	diffuse knapweed
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fire weed
<i>Chimaphila umbellata</i>	pipsissewa
<i>Cirsium edule</i> var. <i>macounii</i>	Macoun's thistle
<i>Cirsium edule</i> var. <i>wenatchense</i>	Wenatchee thistle
<i>Claytonia rubra</i>	red miners lettuce
<i>Clintonia uniflora</i>	queen's-cup
<i>Collomia grandiflora</i>	large-flowered collomia
<i>Corallorrhiza</i> cf. <i>merteniana</i>	western coralroot
<i>Cornus sericea</i> ssp. <i>occidentalis</i> (<i>C. stolonifera</i>)	red-osier dogwood
<i>Dodecatheon dentatum</i>	white shootingstar
<i>Elymus glaucus</i>	blue wildrye
<i>Epilobium brachycarpum</i> (<i>E. paniculatum</i>)	tall willow-herb
<i>Epilobium clavatum</i> (<i>E. alpinum</i>)	talus willowherb
<i>Epilobium halleanum</i> (<i>E. glandulosum</i> , in part)	common willow-herb
<i>Equisetum arvense</i>	common horsetail
<i>Erigeron glacialis</i> var. <i>glacialis</i> (<i>E. peregrinus</i>)	wandering daisy
<i>Erigeron subtrivervis</i>	fleabane
<i>Erythranthe lewisii</i> (<i>Mimulus lewisii</i>)	purple monkeyflower

<i>Galium triflorum</i>	fragrant bedstraw
<i>Goodyera oblongifolia</i>	western rattlesnake orchid
<i>Gymnocarpium dryopteris</i>	oak fern
<i>Heracleum maximum (Heracleum lanatum)</i>	cow-parsnip
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Hieracium scouleri (Hieracium albertinum)</i>	Scouler's hawkweed
<i>Holodiscus discolor</i>	ocean spray
<i>Hydrophyllum fendleri var. albifrons</i>	Fendler's waterleaf
<i>Ipomopsis aggregata</i>	firecracker
<i>Juncus mertensianus</i>	Merten's rush
<i>Lilium columbianum</i>	tiger lily
<i>Linnaea borealis</i>	twinflower
<i>Lomatium brandegei</i>	Brandegee's lomatium
<i>Lonicera involucrata</i>	black twinberry
<i>Lupinus latifolius var. latifolius</i>	broadleaf lupine
<i>Luzula parviflora</i>	small-flowered woodrush
<i>Maianthemum racemosum (Smilacina racemosa)</i>	western solomon's-seal
<i>Maianthemum stellatum (Smilacina stellata)</i>	starry false Solomon-seal
<i>Mertensia paniculata var. borealis (var. paniculata has been collected south of Lake Easton)</i>	tall lungwort
<i>Micranthes odontoloma (Saxifraga arguta, punctata)</i>	brook saxifrage
<i>Mitella pentandra</i>	alpine mitrewort
<i>Moehringia macrophylla (Arenaria macrophylla)</i>	big-leaf sandwort
<i>Orthilia secunda</i>	one-sided pyrola
<i>Osmorhiza occidentalis</i>	western sweet cicely
<i>Paxistima myrsinites (Pachistima)</i>	mountain box
<i>Penstemon serrulatus/glandulosus</i>	Cascade penstemon
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Philadelphus lewisii</i>	mock-orange
<i>Picea engelmanni</i>	Engelmann spruce
<i>Pinus albicaulis</i>	whitebark pine
<i>Pinus contorta</i>	lodgepole pine
<i>Pinus monticola</i>	western white pine
<i>Pinus ponderosa</i>	ponderosa pine
<i>Piperia unalascensis</i>	Alaska rein orchid
<i>Poa alpina ssp. alpina</i>	alpine bluegrass
<i>Polygonum douglasii</i>	Douglas' knotweed
<i>Populus balsamifera ssp. trichocarpa</i>	black cottonwood
<i>Populus tremuloides</i>	quaking aspen
<i>Prunus emarginata</i>	bitter cherry
<i>Pseudognaphalium canescens (Gnaphalium canescens)</i>	Wright's rabbit tobacco
<i>Pseudoroegneria spicata (Agropyron spicatum)</i>	bluebunch wheatgrass
<i>Pteridium aquilinum</i>	bracken
<i>Pterospora andromedea</i>	pinedrops
<i>Rhamnus purshiana</i>	casacara
<i>Ribes lacustre</i>	prickly current
<i>Ribes viscosissimum</i>	sticky current
<i>Rosa gymnocarpa</i>	baldhip rose
<i>Rubus lasiococcus</i>	dwarf bramble
<i>Rubus leucodermis</i>	blackcap raspberry
<i>Rubus parviflorus</i>	thimbleberry
<i>Salix scouleriana</i>	Scouler's willow
<i>Senecio triangularis</i>	arrowleaf groundsel
<i>Sorbus scopulina</i>	mountain-ash
<i>Spiraea lucida (S. betulifolia)</i>	shiny-leaf spiraea
<i>Streptopus amplexifolius</i>	claspleaf twisted-stalk
<i>Symphoricarpos albus</i>	common snowberry

<i>Symphotrichum spathulatum</i> var. <i>spathulatum</i>	Western mountain aster
<i>Taraxacum officinale</i> *	common dandelion
<i>Thalictrum occidentale</i>	western meadow-rue
<i>Thinopyrum intermedium</i> (<i>Agropyron intermedium</i>)	intermediate wheatgrass
<i>Tiarella trifoliata</i> (check vars.)	foamflower
<i>Trifolium pratense</i> *	red clover
<i>Trillium ovatum</i>	western trillium
<i>Vaccinium membranaceum</i>	thin-leaved huckleberry
<i>Valeriana sitchensis</i>	Sitka valerian
<i>Veronica serpyllifolia</i>	thyme-leaved speedwell
<i>Viola glabella</i>	pioneer violet
<i>Viola orbiculata</i>	round-leaved violet

Cape Horn area, Icicle Ridge. J. Arnett 31July2008

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies lasiocarpa</i>	subalpine fir
<i>Achillea millefolium</i>	common yarrow
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Agoseris glauca</i>	pale agoseris
<i>Anemone drummondii</i>	Drummond's wind flower
<i>Anemone occidentalis</i>	western anemone
<i>Antennaria</i> cf. <i>umbrinella</i>	umber pussytoes
<i>Antennaria lanata</i>	wooly pussytoes
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Arabis lyallii</i>	Lyall's rockcress
<i>Arabis</i> : winged biseriate seeds clasping lvs, glaucous	rockcress
<i>Arctostaphylos nevadensis</i>	pinemat manzanita
<i>Arnica latifolia</i>	broadleaf arnica
<i>Arnica mollis</i>	hairy arnica
<i>Artemisia furcata</i>	mugwort
<i>Artemisia michauxiana</i>	Michaux's mugwort
<i>Campanula parryi</i> var. <i>idahoensis</i>	Parry's harebell
<i>Campanula rotundifolia</i>	bluebell of Scotland
<i>Carex</i> cf. <i>nardina</i>	spikenard sedge
<i>Carex hoodii</i>	Hood's sedge
<i>Carex nigricans</i>	black alpine sedge
<i>Carex spectabilis</i>	showy sedge
<i>Cassiope mertensiana</i> ssp. <i>mertensiana</i>	white heather
<i>Castilleja miniata</i>	scarlet Indian-paintbrush
<i>Castilleja parviflora</i> var. <i>albida</i>	mountain paintbrush
<i>Chamaecyparis nootkatensis</i>	Alaska yellowcedar
<i>Chamerion latifolium</i> (<i>Epilobium latifolium</i>)	red willowherb
<i>Cirsium edule</i> var. <i>wenatchense</i>	Wenatchee thistle
<i>Cryptogramma</i> sp.	parsley fern
<i>Cystopteris fragilis</i>	fragile fern
<i>Dasiphora fruticosa</i> (<i>Potentilla fruticosa</i>)	shrubby cinquefoil
<i>Dodecatheon pulchellum</i> var. <i>pulchellum</i>	dark-throat shooting star
<i>Dodecatheon</i> : lilac, almost blue	shootingstar
<i>Draba</i> , perennial alpine	alpine whitlowgrass
<i>Elymus elymoides</i> (<i>Sitanion hystrix</i>)	squirreltail
<i>Epilobium clavatum</i> (<i>E. alpinum</i>)	talus willowherb
<i>Eremogone capillaris</i> var. <i>americana</i> (<i>Arenaria capillaris</i> var. <i>americana</i>)	fescue sandwort
<i>Erigeron aureus</i>	golden fleabane
<i>Erigeron compositus</i> var. <i>glabratus</i>	dwarf mountain fleabase
<i>Eriogonum ovalifolium</i> var. <i>nivale</i>	Sierra cushion buckwheat
<i>Eriogonum pyrolifolium</i> (see vars.)	alpine buckwheat
<i>Eriogonum umbellatum</i> var. <i>haussknechtii</i>	sulfur flower
<i>Eriogonum umbellatum</i> var. <i>majus</i> (<i>Eriogonum umbellatum</i> var. <i>subalpinum</i>)	subalpine sulfurflower
<i>Eriophyllum lanatum</i>	woolly sunflower
<i>Erysimum arenicola</i>	sand-dwelling wallflower
<i>Erythranthe breweri</i> (<i>Mimulus breweri</i>)	Brewer's monkeyflower
<i>Erythronium grandiflorum</i>	glacier lily
<i>Festuca ovina</i>	sheep fescue
<i>Festuca</i> : short awns, narrow leaves	fescue
<i>Galium bifolium</i>	twin-leaf bedstraw
<i>Gentiana calycosa</i>	mountain bog gentian
<i>Hemieva ranunculifolia</i> (<i>Suksdorfia ranunculifolia</i>)	buttercup-leaved suksdorfia
<i>Heuchera cylindrica</i>	alumroot
<i>Hieracium scouleri</i> (<i>Hieracium albertinum</i>)	Scouler's hawkweed

<i>Hieracium triste</i> (<i>H. gracile</i>)	slender hawkweed
<i>Juncus parryi</i>	Parry's rush
<i>Juniperus communis</i>	mountain juniper
<i>Koeleria macrantha</i> (<i>K. cristata</i>)	prairie Koeler's grass
<i>Larix lyallii</i>	subalpine larch
<i>Leptarrhena pyrolifolia</i>	leatherleaf saxifrage
<i>Lewisia columbiana</i>	Columbia lewisia
<i>Lewisia pygmaea</i>	dwarf lewisia
<i>Ligusticum grayi</i>	Gray's lovage
<i>Lomatium</i> : like <i>L. brandegei</i> , but more compact, with more narrow leaflets. Abundant	lomatium
<i>Lonicera involucrata</i>	black twinberry
<i>Luetkea pectinata</i>	partridgefoot
<i>Luina hypoleuca</i>	silverback luina
<i>Lupinus lepidus</i> var. <i>lobbii</i>	prairie lupine
<i>Lupinus polyphyllus</i> (see varieties)	largeleaved lupine
<i>Luzula hitchcockii</i>	smooth woodrush
<i>Luzula spicata</i>	spiked woodrush
<i>Micranthes odontoloma</i> (<i>Saxifraga arguta, punctata</i>)	brook saxifrage
<i>Micranthes tolmiei</i> (<i>Saxifraga tolmiei</i>)	alpine saxifrage
<i>Minuartia obtusiloba</i>	alpine sandwort
<i>Montia parvifolia</i>	streambank springbeauty
<i>Oxyria digyna</i>	mountain sorrel
<i>Parnassia fimbriata</i>	fringed grass-of-Parnassus
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Pedicularis contorta</i> var. <i>contorta</i>	white coiled beak lousewort
<i>Pedicularis groenlandica</i>	elephant-head lousewort
<i>Pedicularis ornithoryncha</i>	bird-beak lousewort
<i>Pedicularis parryi</i> var. <i>purpurea</i>	Parry's lousewort
<i>Penstemon davidsonii</i> (see varieties)	Davidson's penstemon
<i>Penstemon procerus</i> var. <i>procerus</i>	small-flowered penstemon
<i>Penstemon procerus</i> var. <i>tolmiei</i>	small-flowered penstemon
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Phacelia sericea</i>	silky phacelia
<i>Phleum alpinum</i>	alpine timothy
<i>Phlox diffusa</i> (see varieties and subspecies)	spreading phlox
<i>Phlox hendersonii</i>	Henderson's phlox
<i>Phyllodoce empetriformis</i>	pink heather
<i>Phyllodoce glanduliflora</i>	yellow mountain heather
<i>Picea engelmanni</i>	Engelmann spruce
<i>Pinus albicaulis</i>	whitebark pine
<i>Platanthera stricta</i>	slender bog orchid
<i>Poa alpina</i> ssp. <i>alpina</i>	alpine bluegrass
<i>Polemonium elegans</i>	elegant Jacob's-ladder
<i>Polemonium pulcherrimum</i>	showy Jacob's-ladder
<i>Polystichum</i> : dwarf, alpine	swordfern
<i>Potentilla diversifolia</i> var. <i>diversifolia</i>	diverse-leaved cinquefoil
<i>Potentilla flabellifolia</i>	fan-leaf cinquefoil
<i>Potentilla</i> : gray digitate lvs	cinquefoil
<i>Ranunculus eschscholtzii</i> (see vars.)	subalpine buttercup
<i>Rhodiola integrifolia</i> ssp. <i>integrifolia</i> (<i>Sedum roseum</i>)	roseroot, king's crown
<i>Rhododendron albiflorum</i>	white rhododendron
<i>Rhododendron columbianum</i> (<i>Ledum glandulosum</i>)	western Labrador-tea
<i>Salix</i> cf. <i>commutata</i> : pls up to 1 ft., 2 scales per dark scale, lvs long pub. 14x25 mm long soft hairs both sides buds cylindric away from stem	undergreen willow
<i>Salix</i> cf. <i>pseudomonticola</i> keyed fairly easily but need to confirm	false mountain willow
<i>Salix nivalis</i>	dwarf snow willow

<i>Salix</i> : finely serrate lvs dk green above	willow
<i>Sambucus racemosa</i>	red elderberry
<i>Saxifraga bronchialis</i> ssp. <i>austromontana</i>	spotted saxifrage
<i>Saxifraga cespitosa</i>	tufted saxifrage
<i>Saxifraga mertensiana</i>	Merten's saxifrage
<i>Saxifraga oppositifolia</i> ssp. <i>oppositifolia</i>	purple mountain saxifrage
<i>Sedum rupicola</i>	stonecrop
<i>Sedum</i> : petals distinct, most like <i>divergens</i> but fruit not divergent	stonecrop
<i>Selaginella wallacei</i>	Wallaces selaginella
<i>Senecio elmeri</i>	Elmer's ragwort
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Sibbaldea procumbens</i>	creeping sibbaldea
<i>Silene acaulis</i>	moss campion
<i>Silene parryi</i>	Parry's catchfly
<i>Silene suksdorfii</i>	Suksdorf's catchfly
<i>Smelowskia calycina</i> var. <i>americana</i>	alpine smelowskia
<i>Solidago multiradiata</i>	northern goldenrod
<i>Sorbus sitchensis</i>	Sitka mountain-ash
<i>Spiraea densiflora</i> var. <i>densiflora</i>	subalpine spiraea
<i>Stellaria</i> : small, fleshy	sandwort
<i>Stenanthium occidentale</i>	mission bells
<i>Tonestus lyallii</i> (<i>Happlopappus lyallii</i>)	Lyall's goldenweed
<i>Trautvetteria caroliniensis</i>	wild bugbane
<i>Tsuga mertensiana</i>	mountain hemlock
<i>Vaccinium cf. myrtilis</i>	dwarf blueberry
<i>Vaccinium deliciosum</i>	Cascade blueberry
<i>Veratrum viride</i>	corn-lily
<i>Veronica cusickii</i>	Cusick's speedwell
<i>Veronica wormskjoldii</i>	Wormskiold's speedwell

McCue Ridge

J. Arnett 23 Aug 2011

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies amabilis</i>	silver fir
<i>Abies lasiocarpa</i>	subalpine fir
<i>Achillea millefolium</i>	common yarrow
<i>Aconitum columbianum</i>	Columbian monkshood
<i>Agoseris glauca</i>	pale agoseris
<i>Alnus viridis</i> ssp. <i>sinuata</i> (<i>Alnus sinuata</i>)	Sitka alder
<i>Anaphalis margaritacea</i>	pearly everlasting
<i>Angelica genuflecta</i>	kneeling angelica
<i>Antennaria lanata</i>	wooly pussytoes
<i>Aquilegia formosa</i>	columbine
<i>Arctostaphylos nevadensis</i>	pinemat manzanita
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Arnica parryi</i>	nodding arnica
<i>Athyrium filix-femina</i>	lady fern
<i>Carex hoodii</i>	Hood's sedge
<i>Carex spectabilis</i>	showy sedge
<i>Castilleja miniata</i>	scarlet Indian-paintbrush
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fireweed
<i>Cirsium edule</i> var. <i>wenatchense</i>	Wenatchee thistle
<i>Cistanthe umbellata</i> (<i>Spraguea umbellata</i>)	pussypaws
<i>Eremogone capillaris</i> var. <i>americana</i> (<i>Arenaria capillaris</i> var. <i>americana</i>)	fescue sandwort
<i>Erigeron glacialis</i> var. <i>glacialis</i> (<i>E. peregrinus</i>)	wandering daisy
<i>Eriogonum umbellatum</i> var. <i>majus</i> (<i>Eriogonum umbellatum</i> var. <i>subalpinum</i>)	subalpine sulfurflower
<i>Eucephalus ledophyllus</i> var. <i>ledophyllus</i> (<i>Aster ledophyllus</i>)	Cascade aster
<i>Festuca viridula</i>	green fescue
<i>Heracleum maximum</i> (<i>Heracleum lanatum</i>)	cow-parsnip
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Hieracium scouleri</i> (<i>Hieracium albertinum</i>)	Scouler's hawkweed
<i>Hieracium triste</i> (<i>H. gracile</i>)	slender hawkweed
<i>Hydrophyllum fendleri</i> var. <i>albifrons</i>	Fendler's waterleaf
<i>Juncus parryi</i>	Parry's rush
<i>Lewisia columbiana</i>	Columbia lewisia
<i>Lomatium brandegei</i>	Brandegee's lomatium
<i>Luetkea pectinata</i>	partridgefoot
<i>Lupinus</i> cf. <i>sericeus</i> var. <i>fikeranus</i> , keys to <i>L. wyethii</i>	silky lupine
<i>Lupinus latifolius</i> var. <i>latifolius</i>	broadleaf lupine
<i>Lupinus polyphyllus</i> (see varieties)	largeleaved lupine
<i>Luzula hitchcockii</i>	smooth woodrush
<i>Mertensia paniculata</i> var. <i>borealis</i> (var. <i>paniculata</i> has been collected south of Lake Easton)	tall lungwort
<i>Orthilia secunda</i>	one-sided pyrola
<i>Osmorhiza occidentalis</i>	western sweet cicely
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Pedicularis contorta</i> var. <i>contorta</i>	white coiled beak lousewort
<i>Pedicularis racemosa</i>	sickletop lousewort
<i>Penstemon</i> cf. <i>subserratus</i>	fine-tooth beardtongue
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Phlox diffusa</i> (see varieties and subspecies)	spreading phlox
<i>Picea engelmanni</i>	Engelmann spruce

<i>Pinus albicaulis</i>	whitebark pine
<i>Platanthera stricta</i>	slender bog orchid
<i>Polemonium pulcherrimum</i>	showy Jacob's-ladder
<i>Ribes cf. bracteosum</i>	stink currant
<i>Rubus lasiococcus</i>	dwarf bramble
<i>Rubus parviflorus</i>	thimbleberry
<i>Sedum spathulifolium</i> var. <i>spathulifolium</i>	broadleaf stonecrop
<i>Senecio triangularis</i>	arrowleaf groundsel
<i>Sorbus sitchensis</i>	Sitka mountain-ash
<i>Symphotrichum foliaceum</i> (<i>Aster foliaceus</i>)	leafy aster
<i>Tiarella trifoliata</i> (check vars.)	foamflower
<i>Tsuga mertensiana</i>	mountain hemlock
<i>Vaccinium membranaceum</i>	thin-leaved huckleberry
<i>Vaccinium scoparium</i>	grouseberry
<i>Valeriana sitchensis</i>	Sitka valerian
<i>Veratrum viride</i>	corn-lily

Chiwaukum Lake and Ewing Basin

J. Arnett, 23-25 August 2011

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies amabilis</i>	silver fir
<i>Abies lasiocarpa</i>	subalpine fir
<i>Agoseris aurantiaca</i> var. <i>aurantiaca</i>	orange agoseris
<i>Agrostis</i> sp.	bentgrass
<i>Alnus viridus</i> ssp. <i>sinuata</i> (<i>Alnus sinuata</i>)	Sitka alder
<i>Anemone occidentalis</i>	western anemone
<i>Antennaria lanata</i>	wooly pussytoes
<i>Antennaria rosea</i>	rosy pussy-toes
<i>Antennaria umbrinella</i>	umber pussytoes
<i>Arabis lyallii</i>	Lyall's rockcress
<i>Artemisia ludoviciana</i>	western mugwort
<i>Calamagrostis</i> cf. <i>canadensis</i>	reedgrass
<i>Campanula rotundifolia</i>	bluebell of Scotland
<i>Carex aquatilis</i> (see varieties)	water sedge
<i>Carex</i> cf. <i>brunnescens</i>	brownish sedge
<i>Carex mertensii</i>	Merten's sedge
<i>Carex nigricans</i>	black alpine sedge
<i>Carex pachystachya</i>	thick-headed sedge
<i>Carex rossii</i>	Ross' sedge
<i>Carex spectabilis</i>	showy sedge
<i>Carex vesicaria</i>	oxbow sedge
<i>Cassiope mertensiana</i> ssp. <i>mertensiana</i>	white heather
<i>Castilleja elmeri</i>	Wenatchee mountains Indian-paintbrush
<i>Castilleja parviflora</i> var. <i>albida</i>	mountain paintbrush
<i>Cheilanthes gracillima</i>	lace lip-fern
<i>Cirsium edule</i> var. <i>wenatchense</i>	Wenatchee thistle
<i>Claytonia cordifolia</i>	heartleaf springbeauty
<i>Claytonia lanceolata</i>	spring beauty
<i>Claytonia lanceolata</i> -yellow flowered form	spring beauty
<i>Cryptogramma acrosticoides</i>	American parsley fern
<i>Douglasia nivalis</i>	snow Douglasia
<i>Epilobium clavatum</i> (<i>E. alpinum</i>)	talus willowherb
<i>Erigeron aureus</i>	golden fleabane
<i>Erigeron glacialis</i> var. <i>glacialis</i> (<i>E. peregrinus</i>)	wandering daisy
<i>Eriogonum pyrolifolium</i> (see vars.)	alpine buckwheat
<i>Eriophorum chamissonis</i>	cottongrass
<i>Eriophyllum lanatum</i>	woolly sunflower
<i>Erysimum</i> sp.	
<i>Erythranthe lewisii</i> (<i>Mimulus lewisii</i>)	purple monkeyflower
<i>Erythronium grandiflorum</i>	glacier lily
<i>Festuca viridula</i>	green fescue
<i>Gentiana calycosa</i>	mountain bog gentian
<i>Heuchera cylindrica</i>	alumroot
<i>Hieracium triste</i> (<i>H. gracile</i>)	slender hawkweed
<i>Hypericum anagalloides</i>	creeping St. John's-wort
<i>Hypopitys monotropa</i>	fringed pinesap
<i>Juncus</i> sp.	rush
<i>Juniperus communis</i>	mountain juniper
<i>Leptarrhena pyrolifolia</i>	leatherleaf saxifrage
<i>Ligusticum canbyi</i>	Canby's wild lovage
<i>Lomatium brandegei</i>	Brandegee's lomatium
<i>Lonicera involucrata</i>	black twinberry

<i>Luina hypoleuca</i>	silverback luina
<i>Lupinus latifolius</i> var. <i>latifolius</i>	broadleaf lupine
<i>Lupinus lepidus</i> var. <i>lobbii</i>	prairie lupine
<i>Lupinus polyphyllus</i> (see varieties)	largeleaved lupine
<i>Mertensia paniculata</i> var. <i>borealis</i> (var. <i>paniculata</i> has been collected south of Lake Easton)	tall lungwort
<i>Micranthes ondontoloma</i> (<i>Saxifraga arguta</i> , <i>punctata</i>)	brook saxifrage
<i>Micranthes tolmiei</i> (<i>Saxifraga tolmiei</i>)	alpine saxifrage
<i>Mitella pentandra</i>	alpine mitrewort
<i>Montia parvifolia</i>	streambank springbeauty
<i>Oxyria digyna</i>	mountain sorrel
<i>Packera streptanthifolia</i> (<i>Senecio streptanthifolius</i>)	Rocky Mountain groundsel
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Pedicularis contorta</i> var. <i>contorta</i>	white coiled beak lousewort
<i>Pedicularis groenlandica</i>	elephant-head lousewort
<i>Penstemon davidsonii</i> (see varieties)	Davidson's penstemon
<i>Penstemon procerus</i>	small-flowered penstemon
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Phleum alpinum</i>	alpine timothy
<i>Phyllodoce empetriformis</i>	pink heather
<i>Phyllodoce glanduliflora</i>	yellow mountain heather
<i>Pinguicula vulgaris</i>	butterwort
<i>Poa cusickii</i> (see subspecies)	Cusick's bluegrass
<i>Polemonium occidentale</i>	western polemonium
<i>Potentilla diversifolia</i> var. <i>diversifolia</i>	diverse-leaved cinquefoil
<i>Potentilla flabellifolia</i>	fan-leaf cinquefoil
<i>Pteridium aquilinum</i>	bracken
<i>Ranunculus eschscholtzii</i> (see vars.)	subalpine buttercup
<i>Rhododendron albiflorum</i>	white rhododendron
<i>Salix sitchensis</i>	Sitka willow
<i>Salix</i> sp.	willow
<i>Saxifraga bronchialis</i> ssp. <i>austromontana</i>	spotted saxifrage
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Silene parryi</i>	Parry's catchfly
<i>Smelowskia calycina</i> var. <i>americana</i>	alpine smelowskia
<i>Sorbus sitchensis</i>	Sitka mountain-ash
<i>Spiraea densiflora</i> var. <i>densiflora</i>	subalpine spiraea
<i>Stenanthium occidentale</i>	mission bells
<i>Thalictrum occidentale</i>	western meadow-rue
<i>Trautvetteria caroliniensis</i>	wild bugbane
<i>Triantha occidentalis</i> ssp. <i>brevistyla</i> (<i>Tolfieldia glutinosa</i>)	sticky tofieldia
<i>Trifolium repens</i> *	white clover
<i>Tsuga mertensiana</i>	mountain hemlock
<i>Vaccinium deliciosum</i>	Cascade blueberry
<i>Vaccinium membranaceum</i>	thin-leaved huckleberry
<i>Vahlodea atropurpurea</i> (<i>Deschampsia atropurpurea</i>)	arctic hairgrass
<i>Valeriana sitchensis</i>	Sitka valerian
<i>Veronica americana</i>	American speedwell
<i>Veronica cusickii</i>	Cusick's speedwell
<i>Veronica</i> sp.	speedwell
<i>Veronica wormskjoldii</i>	Wormskiold's speedwell
<i>Viola glabella</i>	pioneer violet

Lower Icicle Ridge (up to 3,100 ft.)

Don Schaechtel, as of 3July2012

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Acer macrophyllum</i>	bigleaf maple
<i>Abies grandis</i>	grand fir
<i>Acer glabrum</i> var. <i>douglasii</i>	Douglas maple
<i>Achillea millefolium</i>	common yarrow
<i>Achnatherum lemmonii</i> ssp. <i>lemmonii</i> (<i>Stipa lemmonii</i>)	Lemmon's needlegrass
<i>Adenocaulon bicolor</i>	pathfinder
<i>Agoseris heterophylla</i>	annual agoseris
<i>Agoseris retrorsa</i>	spear leaved agoseris
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Allium acuminatum</i>	taper tip onion
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Anaphalis margaritacea</i>	pearly everlasting
<i>Anemone oregana</i>	Oregon anemone
<i>Angelica arguta</i>	sharp-tooth angelica
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Apocynum androsaemifolium</i>	dogbane
<i>Arceuthobium campylopodum</i>	dwarf mistletoe
<i>Arctostaphylos nevadensis</i>	pinemat manzanita
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Aspidotis densa</i>	Indian's dream
<i>Balsamorhiza sagittata</i>	arrow-leaf balsamroot
<i>Berberis aquifolium</i>	tall Oregon grape
<i>Boechera</i> (<i>Arabis holboellii</i> , in part, misapplied)	rockcress
<i>Boechera pauciflora</i> (<i>Arabis sparsiflora</i>)	rockcress
<i>Bromus tectorum</i>	cheatgrass
<i>Bromus vulgaris</i>	Columbia brome
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Calamagrostis rubescens</i>	pinegrass
<i>Calochortus lyallii</i>	Lyall's mariposa lily
<i>Calypso bulbosa</i>	fairy slipper orchid
<i>Carex geyeri</i>	elk sedge
<i>Castilleja hispida</i> var. <i>hispida</i>	harsh paintbrush
<i>Castilleja miniata</i>	scarlet Indian-paintbrush
<i>Ceanothus sanguineus</i>	redstem ceanothus
<i>Ceanothus velutinus</i> var. <i>velutinus</i>	snowbrush
<i>Cerastium arvense</i>	field chickweed
<i>Chaenactis douglasia</i>	dustymaidens
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fireweed
<i>Claytonia lanceolata</i>	spring beauty
<i>Claytonia rubra</i>	red miners lettuce
<i>Collinsia parviflora</i>	small-flowered blue-eyed Mary
<i>Collomia grandiflora</i>	large-flowered collomia
<i>Comandra umbellata</i>	bastard toadflax
<i>Corallorhiza maculata</i>	spotted coralroot
<i>Cornus sericea</i> ssp. <i>occidentalis</i> (<i>C. stolonifera</i>)	red-osier dogwood
<i>Crepis atrabarba</i>	slender hawksbeard
<i>Cryptantha torreyana</i>	Torrey's cryptantha
<i>Cystopteris fragilis</i>	fragile fern
<i>Delphinium nuttallianum</i>	upland larkspur
<i>Draba verna</i>	spring whitlowgrass
<i>Drymocallis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil

<i>Erigeron filifolius</i>	threadleaf fleabane
<i>Eriogonum compositum</i>	northern buckwheat
<i>Eriogonum elatum</i>	tall buckwheat
<i>Eriogonum heracleoides</i>	parsnip-flowered buckwheat
<i>Erysimum arenicola</i>	sand-dwelling wallflower
<i>Erythronium grandiflorum</i>	glacier lily
<i>Festuca idahoensis</i>	Idaho fescue
<i>Fragaria vesca</i> spp. <i>bracteata</i>	woodland strawberry
<i>Fritillaria lanceolata</i>	chocolate lily
<i>Fritillaria pudica</i>	yellowbells
<i>Galium oreganum</i> (<i>G. kamschaticum</i>)	Oregon bedstraw
<i>Gayophytum diffusum</i>	groundsmoke
<i>Geranium</i> cf. <i>richardsonii</i>	white geranium
<i>Geranium richardsonii</i>	white geranium
<i>Goodyera oblongifolia</i>	western rattlesnake orchid
<i>Hackelia diffusa</i> var. <i>arida</i>	steppe stickseed
<i>Helianthella uniflora</i> var. <i>douglasii</i>	little sunflower
<i>Hemizonella minima</i> (<i>Madia minima</i>)	small-head tarweed
<i>Heuchera cylindrica</i>	alumroot
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Holodiscus discolor</i>	ocean spray
<i>Hydrophyllum capitatum</i> var. <i>capitatum</i>	ballhead waterleaf
<i>Koeleria macrantha</i> (<i>K. cristata</i>)	prairie Koeler's grass
<i>Lathyrus pauciflorus</i> var. <i>pauciflorus</i>	few-flowered peavine
<i>Lewisia rediviva</i>	bitterroot
<i>Lewisia tweedyi</i> (<i>Cistanthe tweedyi</i>)	Tweedy's lewisia
<i>Linaria dalmatica</i> ssp. <i>dalmatica</i> * (<i>Linaria genistifolia</i> var. <i>dalmatica</i>)	Dalmatian toadflax
<i>Lithophragma glabrum</i> (<i>L. bulbifera</i>)	bulbous starflower
<i>Lithophragma parviflora</i>	small-flowered prairie-star
<i>Lithospermum ruderale</i>	Columbia puccoon
<i>Lomatium ambiguum</i>	streambank desert parsley
<i>Lomatium dissectum</i>	fern-leaved desert parsley
<i>Lomatium geyeri</i>	Geyer's desert parsley
<i>Lomatium nudicaule</i>	bare-stem desert parsley
<i>Lonicera ciliosa</i>	trumpet honeysuckle
<i>Lupinus latifolius</i> var. <i>latifolius</i>	broadleaf lupine
<i>Maianthemum racemosum</i> (<i>Smilacina racemosa</i>)	western solomon's-seal
<i>Maianthemum stellatum</i> (<i>Smilacina stellata</i>)	starry false Solomon-seal
<i>Mertensia longiflora</i>	bluebells
<i>Mertensia paniculata</i> var. <i>borealis</i> (var. <i>paniculata</i> has been collected south of Lake Easton)	tall lungwort
<i>Micranthes fragosa</i> (<i>Saxifraga integrifolia</i> var. <i>claytoniaefolia</i>)	grassland saxifrage
<i>Microseris nutans</i>	nodding microseris
<i>Microsteris gracilis</i> (<i>Phlox gracilis</i>)	pink microsteris
<i>Moehringia macrophylla</i> (<i>Arenaria macrophylla</i>)	big-leaf sandwort
<i>Orobanche uniflora</i>	naked broomrape
<i>Osmorhiza occidentalis</i>	western sweet cicely
<i>Paeonia brownii</i>	Brown's peony
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Penstemon attenuatus</i> (see varieties)	taper-leaf penstemon
<i>Penstemon confertus</i>	yellow penstemon
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Penstemon pruinus</i>	Chelan penstemon
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Phacelia linearis</i>	thread-leaf scorpion-weed
<i>Philadelphus lewisii</i>	mock-orange
<i>Pinus ponderosa</i>	ponderosa pine

<i>Piperia</i> sp.	rein orchid
<i>Plectritis macrocera</i>	white plectritis
<i>Poa bulbosa</i> ssp. <i>vivipara</i> *	bulbous bluegrass
<i>Polystichum imbricans</i>	imbricate sword fern
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	black cottonwood
<i>Prosartes hookeri</i> (<i>Disporum hookeri</i>)	Hooker's fairybells
<i>Prunus emarginata</i>	bitter cherry
<i>Prunus virginiana</i>	chokecherry
<i>Pseudoroegneria spicata</i> (<i>Agropyron spicatum</i>)	bluebunch wheatgrass
<i>Pteridium aquilinum</i>	bracken
<i>Purshia tridentata</i>	antelope bitterbrush
<i>Pyrola picta</i>	white-vein wintergreen
<i>Rhamnus purshiana</i>	cascara
<i>Rosa gymnocarpa</i>	baldhip rose
<i>Rosa nutkana</i> var. <i>hispida</i>	Nootka rose
<i>Rosa woodsii</i> var. <i>ultramontana</i>	Wood's rose
<i>Rubus leucodermis</i>	blackcap raspberry
<i>Rubus parviflorus</i>	thimbleberry
<i>Salix scouleriana</i>	Scouler's willow
<i>Sambucus nigra</i> ssp. <i>cerulea</i> (<i>S. cerulea</i>)	blue elderberry
<i>Sedum stenopetalum</i> (see varieties)	wormleaf stonecrop
<i>Senecio integerrimus</i> var. <i>exaltatus</i>	western groundsel
<i>Silene douglasii</i> var. <i>douglasii</i> : ovary stalk 2-3 mm, pls glandular in upper part	Douglas' silene
<i>Sorbus</i> sp.	mountain-ash
<i>Spiraea lucida</i> (<i>S. betulifolia</i>)	shiny-leaf spiraea
<i>Symphoricarpos albus</i>	common snowberry
<i>Toxicodendron rydbergii</i> (<i>Rhus radicans</i>)	western poison-ivy
<i>Tragopogon dubius</i> *	salsify
<i>Trientalis latifolia</i> (<i>T. borealis</i>)	western starflower
<i>Trillium petiolatum</i>	purple trillium
<i>Triteleia grandiflora</i> (<i>Brodiaea douglasii</i>)	large-flowered triteleia
<i>Tritileia hyacinthina</i>	Hyacinth brodiaea
<i>Valeriana pubicarpa</i> (<i>V. acutiloba</i>)	downy-fruit valerian
<i>Veratrum californicum</i>	California false hellebore
<i>Vicia americana</i> var. <i>americana</i>	American vetch
<i>Vicia villosa</i>	hairy vetch
<i>Viola adunca</i> ssp. <i>adunca</i>	yellow prairie violet
<i>Wyethia amplexicaulis</i>	northern mule's-ears
<i>Zigadenus elegans</i>	showy death-camas

Johnny Creek Campground

J. Arnett, 25June2009

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies grandis</i>	grand fir
<i>Acer glabrum</i> var. <i>douglasii</i>	Douglas maple
<i>Achillea millefolium</i>	common yarrow
<i>Adenocaulon bicolor</i>	pathfinder
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Alnus viridis</i> ssp. <i>sinuata</i> (<i>Alnus sinuata</i>)	Sitka alder
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Apocynum androsaemifolium</i>	dogbane
<i>Arctostaphylos uva-ursi</i>	kinnikinnik
<i>Berberis aquifolium</i>	tall Oregon grape
<i>Berberis nervosa</i>	Cascade Oregon-grape
<i>Cacaliopsis nardosmia</i> (<i>Luina nardosmia</i>)	silvertop luina
<i>Carex geyeri</i>	elk sedge
<i>Ceanothus velutinus</i> var. <i>velutinus</i>	snowbrush
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fireweed
<i>Chimaphila menziesii</i>	little prince's-pine
<i>Chimaphila umbellata</i>	pipsisewa
<i>Clintonia uniflora</i>	queen's-cup
<i>Corallorhiza maculata</i>	spotted coralroot
<i>Cornus sericea</i> ssp. <i>occidentalis</i> (<i>C. stolonifera</i>)	red-osier dogwood
<i>Dactylis glomerata</i> *	orchardgrass
<i>Drymocallis glandulosa</i> var. <i>glandulosa</i> (<i>Potentilla glandulosa</i>)	sticky cinquefoil
<i>Elymus glaucus</i>	blue wildrye
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Holodiscus discolor</i>	ocean spray
<i>Larix occidentalis</i>	western larch
<i>Leucanthemum vulgare</i> *	ox-eye daisy
<i>Lilium columbianum</i>	tiger lily
<i>Linnaea borealis</i>	twinline
<i>Lonicera involucrata</i>	black twinberry
<i>Lupinus latifolius</i> var. <i>latifolius</i>	broadleaf lupine
<i>Madia</i> sp.	tarweed
<i>Maianthemum stellatum</i> (<i>Smilacina stellata</i>)	starry false Solomon-seal
<i>Moehringia macrophylla</i> (<i>Arenaria macrophylla</i>)	big-leaf sandwort
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Penstemon pruinus</i>	Chelan penstemon
<i>Phacelia hastata</i>	whiteleaf phacelia
<i>Pinus contorta</i>	lodgepole pine
<i>Pinus monticola</i>	western white pine
<i>Pinus ponderosa</i>	ponderosa pine
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	black cottonwood
<i>Prunus virginiana</i>	chokecherry
<i>Pteridium aquilinum</i>	bracken
<i>Rosa gymnocarpa</i>	baldhip rose
<i>Rosa nutkana</i> var. <i>hispida</i>	Nootka rose
<i>Rubus leucodermis</i>	blackcap raspberry
<i>Rubus parviflorus</i>	thimbleberry
<i>Rubus ursinus</i>	trailing blackberry
<i>Rumex acetosella</i> *	sheep sorrel
<i>Salix scouleriana</i>	Scouler's willow

<i>Sambucus nigra</i> ssp. <i>cerulea</i> (<i>S. cerulea</i>)	blue elderberry
<i>Shepherdia canadensis</i>	soopolallie
<i>Silene menziesii</i> (some flowers to 10 mm across in Tumwater Canyon)	Menzies' catchfly
<i>Thuja plicata</i>	western redcedar
<i>Tragopogon dubius</i> *	salsify
<i>Trifolium repens</i> *	white clover
<i>Vaccinium membranaceum</i>	thin-leaved huckleberry

River Trail Loop

J. Arnett 25June2009

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Abies grandis</i>	grand fir
<i>Acer circinatum</i>	vine maple
<i>Achillea millefolium</i>	common yarrow
<i>Actaea rubra</i>	baneberry
<i>Adenocaulon bicolor</i>	pathfinder
<i>Adiantum aleuticum</i> (<i>A. pedatum</i>)	western maidenhair
<i>Agropyron</i> : see <i>Pseudoroegneria</i> , <i>Thinopyrum</i>	Douglas-fir
<i>Alnus viridis</i> ssp. <i>sinuata</i> (<i>Alnus sinuata</i>)	Sitka alder
<i>Amelanchier alnifolia</i>	western serviceberry
<i>Angelica</i> sp.	angelica
<i>Antennaria microphylla</i>	rosy pussy-toes
<i>Antennaria racemosa</i>	raceme pussy-toes
<i>Apocynum androsaemifolium</i>	dogbane
<i>Aquilegia formosa</i>	columbine
<i>Arctostaphylos uva-ursi</i>	kinnikinnik
<i>Arnica cordifolia</i>	heart-leaf arnica
<i>Aruncus dioicus</i> var. <i>acuminatus</i>	goatsbeard
<i>Asarum caudatum</i>	wild ginger
<i>Athyrium filix-femina</i>	lady fern
<i>Berberis nervosa</i>	Cascade Oregon-grape
<i>Calamagrostis rubescens</i>	pinegrass
<i>Carex disperma</i>	short-leaf sedge
<i>Carex hoodii</i>	Hood's sedge
<i>Carex mertensii</i>	Merten's sedge
<i>Castilleja hispida</i> var. <i>hispida</i>	harsh paintbrush
<i>Castilleja miniata</i>	scarlet Indian-paintbrush
<i>Ceanothus velutinus</i> var. <i>velutinus</i>	snowbrush
<i>Centaurea diffusa</i> *	diffuse knapweed
<i>Chamerion angustifolium</i> (<i>Epilobium angustifolium</i>)	fireweed
<i>Chimaphila menziesii</i>	little prince's-pine
<i>Chimaphila umbellata</i>	pipsissewa
<i>Clintonia uniflora</i>	queen's-cup
<i>Corallorhiza maculata</i>	spotted coralroot
<i>Cornus sericea</i> ssp. <i>occidentalis</i> (<i>C. stolonifera</i>)	red-osier dogwood
<i>Cornus unalaschkensis</i> (<i>C. canadensis</i>)	trailing dogwood
<i>Dactylis glomerata</i> *	orchardgrass
<i>Epilobium minutum</i>	small-flowered willowherb
<i>Equisetum arvense</i>	common horsetail
<i>Gaultheria ovatifolia</i>	western teaberry
<i>Goodyera oblongifolia</i>	western rattlesnake orchid
<i>Hieracium albiflorum</i>	white-flowered hawkweed
<i>Hieracium scouleri</i> (<i>Hieracium albertinum</i>)	Scouler's hawkweed
<i>Holodiscus discolor</i>	ocean spray
<i>Juncus balticus</i> var. <i>balticus</i>	baltic rush
<i>Larix occidentalis</i>	western larch
<i>Leucanthemum vulgare</i> *	ox-eye daisy
<i>Lewisia columbiana</i>	Columbia lewisia
<i>Lilium columbianum</i>	tiger lily
<i>Linnaea borealis</i>	twinflower
<i>Lomatium brandegei</i>	Brandegee's lomatium
<i>Lonicera ciliosa</i>	trumpet honeysuckle
<i>Lonicera involucrata</i>	black twinberry

<i>Lupinus latifolius</i> var. <i>latifolius</i>	broadleaf lupine
<i>Luzula parviflora</i>	small-flowered woodrush
<i>Maianthemum racemosum</i> (<i>Smilacina racemosa</i>)	western solomon's-seal
<i>Maianthemum stellatum</i> (<i>Smilacina stellata</i>)	starry false Solomon-seal
<i>Menziesia ferruginea</i>	fool's-huckleberry
<i>Moehringia macrophylla</i> (<i>Arenaria macrophylla</i>)	big-leaf sandwort
<i>Montia parvifolia</i>	streambank springbeauty
<i>Oplopanax horridum</i>	devil's club
<i>Paxistima myrsinites</i> (<i>Pachistima</i>)	mountain box
<i>Pedicularis bracteosa</i> , vars. <i>latifolia</i> and <i>bracteosa</i> most likely	bracted lousewort
<i>Penstemon fruticosus</i> var. <i>fruticosus</i>	shrubby penstemon
<i>Penstemon serrulatus</i>	Cascade penstemon
<i>Picea engelmanni</i>	Engelmann spruce
<i>Pinus contorta</i>	lodgepole pine
<i>Pinus monticola</i>	western white pine
<i>Pinus ponderosa</i>	ponderosa pine
<i>Plantago lanceolata</i>	English plantain
<i>Platanthera stricta</i>	slender bog orchid
<i>Poa bulbosa</i> ssp. <i>vivipara</i> *	bulbous bluegrass
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	black cottonwood
<i>Populus tremuloides</i>	quaking aspen
<i>Prosartes</i> species (<i>Disporum</i> sp.)	fairybells
<i>Pteridium aquilinum</i>	bracken
<i>Pterospora andromedea</i>	pinedrops
<i>Pyrola picta</i>	white-vein wintergreen
<i>Ribes lacustre</i>	prickly current
<i>Rosa gymnocarpa</i>	baldhip rose
<i>Rubus parviflorus</i>	thimbleberry
<i>Rumex acetosella</i> *	sheep sorrel
<i>Salix scouleriana</i>	Scouler's willow
<i>Sedum</i> sp.	stonecrop
<i>Shepherdia canadensis</i>	soopolallie
<i>Sorbus scopulina</i>	mountain-ash
<i>Spergularia</i> sp.	sandspurry
<i>Spiraea lucida</i> (<i>S. betulifolia</i>)	shiny-leaf spiraea
<i>Taraxacum officinale</i> *	common dandelion
<i>Taxus brevifolia</i>	Pacific yew
<i>Trautvetteria caroliniensis</i>	wild bugbane
<i>Trifolium pratense</i> *	red clover
<i>Trifolium repens</i> *	white clover
<i>Trillium ovatum</i>	western trillium
<i>Tsuga heterophylla</i>	western hemlock
<i>Vaccinium membranaceum</i>	thin-leaved huckleberry
<i>Viburnum edule</i>	squashberry
<i>Viola glabella</i>	pioneer violet

Mountain Home

Arnett, 15July2010

Species (taxonomy generally follows the WA Flora Checklist, with synonyms from Hitchcock and Cronquist in parentheses)	common name
<i>Alopecurus pratensis</i>	field meadow-foxtail
<i>Angelica</i> sp.	angelica
<i>Apocynum cannabinum</i>	Indian hemp
<i>Camassia quamash</i>	common camas
<i>Cirsium vulgare</i> *	bull thistle
<i>Crataegus</i> sp.	hawthorn
<i>Fritillaria lanceolata</i>	chocolate lily
<i>Juncus tenuis</i>	poverty rush
<i>Leucanthemum vulgare</i> *	ox-eye daisy
<i>Madia glomerata</i>	tarweed
<i>Navarretia</i> sp.	navarettia
<i>Perideridia gairdneri</i>	yampah
<i>Phleum pratense</i> *	common timothy
<i>Pinus ponderosa</i>	ponderosa pine
<i>Populus tremuloides</i>	quaking aspen
<i>Potentilla gracilis</i> var. <i>flabelliformis</i>	Idaho cinquefoil
<i>Potentilla recta</i> *	sulfur cinquefoil
<i>Prunella vulgaris</i>	heal-all
<i>Rosa</i>	rose
<i>Rudbeckia alpicola</i>	rudbeckia
<i>Salix scouleriana</i>	Scouler's willow
<i>Solidago</i> sp.	goldenrod
<i>Spiraea lucida</i> (<i>S. betulifolia</i>)	shiny-leaf spiraea
<i>Symphoricarpos albus</i>	common snowberry
<i>Toxicodendron rydbergii</i> (<i>Rhus radicans</i>)	western poison-ivy
<i>Trifolium hybridum</i> *	Alsike clover
<i>Trifolium pratense</i> *	red clover
<i>Tripleurospermum maritimum</i> ssp. <i>maritimum</i> (<i>Matricaria maritima</i>)*	scentless mayweed
<i>Tritileia hyacinthina</i>	Hyacinth brodiaea
<i>Veratrum californicum</i>	California false hellebore
<i>Vicia americana</i> var. <i>americana</i>	American vetch
<i>Vicia villosa</i>	hairy vetch
<i>Wyethia amplexicaulis</i>	northern mule's-ears