



2024 Washington Vascular Plant Species Review Lists 1 & 2

Washington Natural Heritage Program
July 2024



WASHINGTON STATE DEPARTMENT OF
NATURAL RESOURCES

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Olympia, Washington 98504-7014

ON THE COVER: Flett's fleabane (*Erigeron flettii*), photographed by Rod Gilbert.

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Introduction

Since 1977, the Washington Natural Heritage Program (WNHP) has maintained a list of Washington vascular plant species of conservation concern. Before being added to this list, species undergo a review in which their status is evaluated by the state natural heritage program botanist and experts from academia, government, and the private sector. During the review, species are assessed based on the best available information on their distribution, abundance, number of occurrences, threats, and trends in the state. If a species is found to be sufficiently vulnerable, it is designated as state Endangered, Threatened, Sensitive, or Extirpated and added to the Washington Vascular Plant Species of Conservation Concern list. Species determined to be sufficiently widespread, abundant, or unthreatened may be dropped. WNHP maintains two review lists based on the state of taxonomic knowledge: well-accepted species, subspecies, or varieties are included in Review List 1, while those with unresolved taxonomic questions are in Review List 2.

The review lists are periodically updated as new information becomes available, or the status of species is revised. The following is an update of the August 2021 lists. Thirty-one species have been added and eleven removed or transferred from the last edition.

The 2024 changes are summarized below:

Species Added to Review List 1

Astragalus leibergii
Astragalus lyallii
Camassia quamash ssp. *azurea*
Castilleja parviflora var. *olympica*
Cryptantha fendleri
Delphinium xantholeucum
Diplacus nanus
Douglasia nivalis
Eleocharis nitida
Eriastrum wilcoxii
Erigeron leibergii
Erigeron philadelphicus var. *glaber*
Erigeron piperianus
Eriogonum baileyi
Eriogonum compositum var. *lancifolium*
Eriogonum umbellatum var. *hypoleium*
Eucephalus paucicapitatus
Festuca washingtonica
Iliamna longisepala
Lewisiopsis tweedyi
Lomatium quintuplex
Lomatium saxarimum sp. nov.
Lomatium thompsonii
Lupinus sericeus var. *asotinensis*

Oreocarya thompsonii
Physaria alpestris
Ranunculus basalticus
Suksdorfia violacea
Valeriana Columbiana

Species Added to Review 2 List

Aliciella leptomeria
Trillium crassifolium

Species Transferred to Species of Conservation Concern List

Carex sheldonii
Erigeron flettii
Eucephalus glaucescens
Hulsea nana
Lathyrus ochroleucus
Navarretia breweri
Phacelia glandulifera
Silene douglasii var. *rupinae*
Viola flettii

Species Dropped from Consideration

Boechera drepanoloba
Lomatium brevifolium "wowii"

Appendix A (Review List 1) and B (Review List 2) table headings are briefly described below:

Species/Common Name: Species are organized alphabetically by their scientific name. Nomenclature follows Hitchcock & Cronquist (2018). Pertinent synonyms are included in parentheses. Common names follow the USDA Plants database (<http://plants.usda.gov>) or NatureServe (<http://explorer.natureserve.org>).

Heritage Rank: WNHP uses the [ranking system](#) developed by NatureServe to assess global and state conservation status of each plant species, subspecies, and variety. Taxa are ranked on a scale of 1 to 5 (from highest to lowest conservation concern).

G = Global Rank: rangewide status of a full species
T = Trinomial Rank: rangewide status of a subspecies or variety
S = State Rank: status of a species, subspecies, or variety within the state of Washington

- 1 = Critically Imperiled – at very high risk of extirpation due to very restricted range, very few occurrences, very steep declines, very severe threats, or other factors
- 2 = Imperiled – at high risk of extirpation due to restricted range, few occurrences, steep declines, severe threats, or other factors
- 3 = Vulnerable – at moderate risk of extirpation due to a fairly restricted range, relatively few occurrences, recent and widespread declines, threats, or other factors

- 4 = Apparently secure – at fairly low risk of extirpation due to an extensive range or many occurrences, but with possible cause for some concern as a result of local recent declines, threats, or other factors
- 5 = Secure – at very low risk of extirpation due to a very extensive range, abundant occurrences, and little to no concern from decline or threats
- H = Historical– known from only historical occurrences (prior to 1978) but still with some hope of rediscovery
- X = Presumed Extirpated – not relocated since 1978 despite intensive searches and virtually no likelihood of rediscovery
- U = Unrankable – lack of information or substantially conflicting information about status
- NR = Not Ranked – rank not assessed yet
- Q = Questionable – questions exist about the taxonomic validity of a species, subspecies, or variety
- ? = Questionable – questions exist about the assigned G, T, or S rank of a taxon

Appendix A. WNHP Vascular Plant Review List 1

Species	Common Name	Heritage Rank
<i>Adiantum aleuticum</i> var. <i>subpumilum</i>	Aleutian maidenhair	G5T2T3/SNR
<i>Allium columbianum</i> (<i>A. douglasii</i> var. <i>columbianum</i>)	Columbia onion	G2/SNR
<i>Andromeda polifolia</i> var. <i>polifolia</i>	bog-rosemary	G5T5/SNR
<i>Androsace septentrionalis</i>	pygmyflower rockjasmine	G5/SNR
<i>Antennaria monocephala</i> ssp. <i>angustata</i>	pygmy pussytoes	G5T5/SNR
<i>Aphyllon corymbosum</i> (<i>Orobancha corymbosa</i>)	flat-top broomrape	G4/SNR
<i>Astragalus eucosmus</i>	pretty milkvetch	G5/SNR
<i>Astragalus laxmannii</i> var. <i>robustior</i> (<i>A. adsurgens</i>)	prairie milkvetch	G5T5/SNR
<i>Astragalus leibergii</i>	Leiberg's milkvetch	G3/SNR
<i>Astragalus lyallii</i>	Lyall's milkvetch	G3?/SNR
<i>Astragalus robbinsii</i> var. <i>minor</i>	Robbins' milkvetch	G5T5/SNR
<i>Atriplex canescens</i> var. <i>canescens</i>	fourwing saltbush	G5T5?/SNR
<i>Atriplex gardneri</i> var. <i>falcata</i> (<i>A. falcata</i>)	sickle saltbush	G5T4Q/SNR
<i>Bidens amplissima</i>	Vancouver Island beggar-ticks	G3/SNR
<i>Boechera grahamii</i> (<i>Arabis confinis</i>)	Graham's rockcress	G5/SNR
<i>Boechera pauperula</i> (<i>Arabis lyallii</i> var. <i>nubigena</i>)	small-flowered rockcress	G2G4/SNR
<i>Boechera suffrutescens</i> (<i>Arabis suffrutescens</i>)	woody rockcress	G3G4/SNR
<i>Calochortus eurycarpus</i>	big-pod mariposa lily	G4/SNR
<i>Camassia quamash</i> ssp. <i>azurea</i>	small camas	G5T2T4/SNR
<i>Carex atrosquama</i>	blackened sedge	G5/SNR
<i>Carex haydeniana</i>	Hayden's sedge	G5?/SNR
<i>Carex lacustris</i>	lake-bank sedge	G5/SNR
<i>Carex macloviana</i>	Falkland Island sedge	G3G5/SNR
<i>Carex parryana</i>	Parry's sedge	G4G5/SNR
<i>Carex praeceptorum</i>	Teacher's sedge	G4G5/SNR
<i>Carex siccata</i>	dryspike sedge	G5/SNR
<i>Carex stenoptila</i>	riverbank sedge	G3/SNR

Washington Review List 1		
Species	Common Name	Heritage Rank
<i>Carex vernacula</i>	foetid sedge	G4/SNR
<i>Castilleja parviflora</i> var. <i>olympica</i>	Olympic paintbrush	G5T2T3/SNR
<i>Caulanthus lasiophyllus</i> (<i>Guillenia lasiophylla</i>)	cutleaf thelypody	G5/SNR
<i>Cirsium edule</i> var. <i>wenatchense</i>	Wenatchee thistle	G5TNR/SNR
<i>Cirsium flodmanii</i>	Flodman's thistle	G5/SNR
<i>Cirsium inamoenum</i> var. <i>inamoenum</i> (<i>C. subniveum</i>)	Greene's thistle	GNRT4/SNR
<i>Coptis occidentalis</i>	Idaho goldthread	G4G5/SNR
<i>Corallorhiza maculata</i> var. <i>ozettensis</i>	Ozette coral-root	G5T3/SNR
<i>Corispermum americanum</i> var. <i>americanum</i>	American bugseed	G5?T5?/SNR
<i>Corispermum hookeri</i> var. <i>pseudodeclinatum</i>	Hooker's bugseed	G4G5T2T3/SNR
<i>Crassula solieri</i>	smooth-seed pygmyweed	G4G5/SNR
<i>Crataegus tenuior</i>	slender hawthorn	GNR/ SNR
<i>Cryptantha fendleri</i>	Fendler's cryptantha	G5/SNR
<i>Cryptantha simulans</i>	pinewoods cryptantha	G4/SNR
<i>Cuscuta suksdorfii</i>	mountain dodder	G3?/SNR
<i>Cyperus acuminatus</i>	sharp-pointed flatsedge	G5/SNR
<i>Cyperus lupulinus</i> ssp. <i>lupulinus</i>	great Plains flatsedge	G5T5/SNR
<i>Delphinium stachydeum</i>	hedgenettle larkspur	G5/SNR
<i>Delphinium xantholeucum</i>	northwestern larkspur	G3/SNR
<i>Diplacus nanus</i>	dwarf purple monkeyflower	G5/SNR
<i>Douglasia nivalis</i> (<i>Androsace nivalis</i>)	snow douglasia	G3/SNR
<i>Draba platycarpa</i>	broad-pod whitlow-grass	G4G5Q/ SNR
<i>Dracocephalum parviflorum</i>	American dragonhead	G5/SNR
<i>Eleocharis geniculata</i>	capitate spike-rush	G5/SNR
<i>Eleocharis nitida</i>	quill spikerush	G5/SNR
<i>Eleocharis uniglumis</i>	onescale spike-rush	G5?Q/SNR
<i>Elymus lanceolatus</i> ssp. <i>psammophilus</i>	sand-dune wheatgrass	G5TNR/SNR
<i>Epilobium campestre</i> (<i>Boisduvalia glabella</i> , <i>E. pygmaeum</i>)	smooth willowherb	G5/SNR
<i>Eriastrum wilcoxii</i>	Wilcox's woolstar	G5/SNR

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Species	Common Name	Heritage Rank
<i>Erigeron inornatus</i> var. <i>inornatus</i>	California rayless fleabane	G5T4T5/SNR
<i>Erigeron leibergii</i>	Leiberg's fleabane	G3?/SNR
<i>Erigeron philadelphicus</i> var. <i>glaber</i>	Vancouver Island fleabane	G5T2T3/SNR
<i>Erigeron piperianus</i>	Piper's fleabane	G3/SNR
<i>Erigeron poliospermus</i> var. <i>cereus</i>	hairy-seeded daisy	G4T3?/SNR
<i>Eriogonum baileyi</i>	Bailey's buckwheat	G5/SNR
<i>Eriogonum compositum</i> var. <i>lancifolium</i>	arrowleaf buckwheat	G5TNR/SNR
<i>Eriogonum marifolium</i> var. <i>marifolium</i>	mountain buckwheat	G4G5TNR/SNR
<i>Eriogonum umbellatum</i> var. <i>hypoleium</i>	Kittitas sulfur flower	G5T2T4/SNR
<i>Erythranthe inflatula</i> (<i>Mimulus evanescens</i>)	disappearing monkeyflower	G3/SNR
<i>Eucephalus paucicapitatus</i>	Olympic Mountain aster	G3G4/SNR
<i>Eurybia sibirica</i> (<i>Aster sibiricus</i> var. <i>s.</i>)	Siberian aster	G5/SNR
<i>Festuca washingtonica</i>	Washington fescue	G2G3/SNR
<i>Gilia inconspicua</i>	shy gily-flower	G5/SNR
<i>Hackelia diffusa</i> var. <i>cottonii</i>	Cotton's stickseed	G4T4/SNR
<i>Hedysarum sulphurescens</i>	white sweetvetch	G5/SNR
<i>Heterotheca villosa</i> var. <i>foliosa</i> (<i>Chrysopsis villosa</i> var. <i>foliosa</i>)	hairy false goldenaster	G5T5?/SNR
<i>Hierochloa odorata</i> (<i>Anthoxanthum hirtum</i>)	common northern sweetgrass	G5/SNR
<i>Horkelia fusca</i> var. <i>capitata</i>	bighead horkelia	G5TNR/ SNR
<i>Iliamna longisepala</i>	longsepal globemallow	G3/SNR
<i>Isoetes howellii</i>	Howell's quillwort	GNR/SNR
<i>Juncus alpinoarticulatus</i>	northern rush	G5/SNR
<i>Juncus vaseyi</i>	Vasey's rush	G5/SNR
<i>Kobresia myosuroides</i>	Bellard's bog sedge	G5/SNR
<i>Lasthenia maritima</i>	seaside goldfields	G4/SNR
<i>Lasthenia minor</i>	coastal goldfields	G3G4/SNR
<i>Lathyrus lanszwertii</i> var. <i>bijugatus</i> (<i>L. bijugatus</i>)	pinewoods peavine	G4G5T4/SNR
<i>Leptosiphon nuttallii</i> ssp. <i>pubescens</i> (<i>Linanthus nuttallii</i> var. <i>p.</i>)	hairy Nuttall's linanthus	G5TNR/SNR

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Species	Common Name	Heritage Rank
<i>Lewisiopsis tweedyi</i>	Tweedy's bitterroot	G3/SNR
<i>Leymus triticoides</i> (<i>Elymus triticoides</i>)	beardless wildrye	G4G5/SNR
<i>Lipocarpa occidentalis</i> (<i>Hemicarpha occidentalis</i>)	western halfchaff sedge	G5/SNR
<i>Lomatium saxarium</i> sp. nov.	rock crevice Lomatium	GNR/SNR
<i>Lomatium quintuplex</i>	Umtanum desert-parsley	G3/SNR
<i>Lomatium thompsonii</i>	Thompson's desert-parsley	G3/SNR
<i>Lupinus lepidus</i> var. <i>utahensis</i>	Utah prairie lupine	G5T5?/SNR
<i>Lupinus sericeus</i> var. <i>asotinensis</i>	Asotin silky lupine	G5T3Q/SNR
<i>Luzula cascadiensis</i> (<i>L. campestris</i> var. <i>columbiana</i>)	Cascades woodrush	G3/SNR
<i>Malvella leprosa</i>	alkali mallow	G5/SNR
<i>Micranthes gormanii</i>	Gorman's saxifrage	G3?/SNR
<i>Microseris laciniata</i> ssp. <i>leptosepala</i>	cutleaf silverpuffs	G4TNR/SNR
<i>Muhlenbergia andina</i>	foxtail muhly	G4/SNR
<i>Muhlenbergia mexicana</i>	Mexican muhly	G5/SNR
<i>Myriophyllum ussuriense</i>	Ussurian water-milfoil	G4/SNR
<i>Navarretia sinistra</i> (<i>Gilia sinistra</i>)	Alva Day's pincushion plant	G4G5/SNR
<i>Nemophila kirtleyi</i>	Snake Canyon baby blue-eyes	G4/SNR
<i>Oreocarya thompsonii</i>	Thompson's cat's-eye	G3/SNR
<i>Orthocarpus barbatus</i>	Grand Coulee owl's-clover	G3/SNR
<i>Oxytropis campestris</i> var. <i>cusickii</i>	slender crazyweed	G5T5/SNR
<i>Oxytropis deflexa</i> var. <i>sericea</i>	pendent-pod crazyweed	G5T5/SNR
<i>Ozomelis diversifolia</i> (<i>Mitella diversifolia</i>)	varied-leaved mitrewort	G5/SNR
<i>Parnassia parviflora</i>	small-flower grass of Parnassus	G5?/SNR
<i>Pellaea glabella</i> ssp. <i>simplex</i>	smooth cliffbrake	G5T4?/SNR
<i>Penstemon ellipticus</i>	rocky ledge beardtongue	G4G5/SNR
<i>Penstemon eriantherus</i> var. <i>eriantherus</i>	fuzzytongue beardtongue	G4G5T4T5/SNR
<i>Penstemon lyallii</i>	Lyall's beardtongue	G4/SNR
<i>Phacelia bolanderi</i>	Bolander's phacelia	G4/SNR

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Species	Common Name	Heritage Rank
<i>Phacelia mutabilis</i> (<i>P. heterophylla</i> var. <i>pseudohispida</i>)	changeable scorpion-weed	G4/SNR
<i>Phlox colubrina</i>	Snake River phlox	G4/SNR
<i>Phlox mollis</i>	soft phlox	G2G3/SNR
<i>Physaria alpestris</i>	Washington twinpod	G3?/SNR
<i>Physostegia parviflora</i>	western false dragonhead	G4G5/SNR
<i>Platanthera aquilonis</i> (<i>Habenaria hyperborea</i>)	northern green bog orchid	G5/SNR
<i>Platanthera ephemerantha</i> (<i>Piperia candida</i>)	whiteflower rein orchid	G3?/SNR
<i>Platanthera sparsiflora</i> (<i>Habenaria</i> s., <i>Limnorchis</i> s.)	canyon bog orchid	G4G5/SNR
<i>Polanisia dodecandra</i> var. <i>trachysperma</i>	sandyseed clammyweed	G5T5?/SNR
<i>Polygonum californicum</i>	California knotweed	G5/SNR
<i>Polystichum braunii</i>	Braun's hollyfern	G5/SNR
<i>Potamogeton fibrillosus</i> (<i>P. foliosus</i> ssp. <i>fibrillosus</i>)	leafy pondweed	G2G3Q/SNR
<i>Prunus americana</i>	American plum	G5/SNR
<i>Psilocarphus tenellus</i>	slender woolly marbles	G4/SNR
<i>Pyrrocoma hirta</i> var. <i>hirta</i> (<i>Haplopappus hirtus</i> var. <i>hirtus</i>)	hairy goldenweed	G4G5T3/SNR
<i>Ranunculus basalticus</i>	basalt buttercup	G2/SNR
<i>Ranunculus pygmaeus</i>	dwarf buttercup	G5/SNR
<i>Rudbeckia alpicola</i> (<i>R. occidentalis</i> var. <i>alpicola</i>)	Washington coneflower	G3G4/SNR
<i>Rumex crassus</i> (<i>R. salicifolius</i> var. <i>crassus</i>)	fleshy willow dock	G5T5/SNR
<i>Rumex persicarioides</i> (<i>R. maritimus</i> var. <i>p.</i>)	seaside dock	G4G5/SNR
<i>Rumex salicifolius</i> var. <i>angustivalvis</i> (<i>R. hesperius</i>)	western willow dock	G5TNR/SNR
<i>Sagina maxima</i> ssp. <i>maxima</i>	sticky-stem pearlwort	G5T5/SNR
<i>Salix brachycarpa</i>	small-fruit willow	G5/SNR
<i>Salix monochroma</i> (<i>S. eriocephala</i> var. <i>m.</i>)	one-color willow	G4G5/SNR
<i>Sandbergia whitedii</i> (<i>Halimolobos whitedii</i>)	Whited's rockcress	G3?/SNR
<i>Scirpus pallidus</i>	pale bulrush	G5/SNR
<i>Scutellaria angustifolia</i> ssp. <i>micrantha</i>	narrowleaf skullcap	G5T3T5/SNR
<i>Sidalcea campestris</i>	meadow checkermallow	G4/SNR
<i>Silene bernardina</i>	Palmer's catchfly	G3?/SNR

Washington Review List 1		
Species	Common Name	Heritage Rank
<i>Silene scouleri</i> ssp. <i>hallii</i>	Hall's catchfly	G5TNR/SNR
<i>Stellaria humifusa</i>	saltmarsh sandwort	G5/SNR
<i>Stuckenia filiformis</i> ssp. <i>occidentalis</i> (<i>Potamogeton</i> f. var. <i>o.</i>)	western fineleaf pondweed	G5T5/SNR
<i>Subularia aquatica</i> ssp. <i>americana</i>	American awlwort	G5T5/SNR
<i>Suksdorfia violacea</i>	violet mock brookfoam	G4G5/SNR
<i>Taraxacum alaskanum</i>	dwarf alpine dandelion	G5/SNR
<i>Taraxacum scopulorum</i> (<i>T. lyratum</i>)	alpine dandelion	GNR/SNR
<i>Tiquilia nuttallii</i>	rosette crinklemat	G5/SNR
<i>Trichophorum alpinum</i>	alpine bulrush	G5/SNR
<i>Trichostema oblongum</i>	oblong bluecurls	G5/SNR
<i>Triglochin striata</i>	three-rib arrowgrass	G5/SNR
<i>Uropappus lindleyi</i> (<i>Microseris lindleyi</i>)	Lindley's silverpuffs	G5/SNR
<i>Valeriana acutiloba</i> var. <i>pubicarpa</i> (<i>V. pubicarpa</i>)	downy-fruit valerian	G5T4T5/ SNR
<i>Valeriana columbiana</i>	Wenatchee valerian	G2G3/SNR
<i>Valeriana occidentalis</i>	western valerian	G5/SNR
<i>Verbena stricta</i>	hoary verbena	G5/SNR
<i>Veronica missurica</i> ssp. <i>stellata</i> (<i>Synthyris m.</i> ssp. <i>stellata</i>)	Columbia Gorge kittentails	G4T4/SNR
<i>Viola howellii</i>	Howell's violet	G4/SNR
<i>Viola sororia</i> (<i>V. septentrionalis</i>)	woolly blue violet	G5/SNR

Appendix B. WNHP Vascular Plant Review List 2

Washington Review List 2		
Species	Common Name	Heritage Rank
<i>Aliciella leptomeria</i>	Great Basin gilia	G5/SNR
<i>Arceuthobium tsugense</i> ssp. <i>contortae</i>	shore pine dwarf mistletoe	G5TNR/ SNR
<i>Balsamorhiza deltoidea</i>	Puget balsamroot	G5/SNR
<i>Castilleja lutea</i>	Cusick's paintbrush	GNR/SNR
<i>Claytonia umbellata</i>	Great Basin springbeauty	G5?/SNR
<i>Delphinium basalticum</i>	basalt larkspur	G2G3/SNR
<i>Erigeron</i> sp. nov.	fleabane	GNR/SNR
<i>Lomatium brevifolium</i> "pugetense"	Puget Sound biscuitroot	G2G4TNR/SNR
<i>Lomatium refugianum</i> (formerly on list as <i>L. sp. novum</i> - Mt. Aix biscuitroot)	refugium biscuitroot	G1/SNR
<i>Mertensia brachycalyx</i> (<i>M. laevigata</i> var. <i>b.</i>)	short-sepal bluebells	GNR/SNR
<i>Packera</i> sp. nov.	ragwort	GNR/SNR
<i>Penstemon cinereus</i> ssp. <i>foliatus</i>	gray penstemon	G4QTNR/ SNR
<i>Silene</i> sp. nov.	catchfly	GNR/SNR
<i>Trillium crassifolium</i>	thick-leaved trillium	G1G2/SNR