

## Bigelow Lakes Botanical Area

**Leader:** Kristi Mergenthaler (Botanist), Dennis Odion (Ecologist)

**Difficulty:** Moderate hiking.

**Description:** In the *Spirit of the Siskiyou*, *Journals of a Mountain Naturalist*, Mary Paetzel wrote, "Bigelow Lakes settle deep in the Siskiyou above Oregon Caves National Monument. At an elevation of 5,900 feet, they are considered "high country" in this area (and remind me of the "high country" of Southwest Colorado, my childhood home)."

**Floristic Highlights:** Some rare and endemic plants we will see include: *Gentiana plurisetosa*, *Iliamna latibracteata*, *Quercus sadleriana*, and *Quercus garryana* var *breweri*. Other nifty plants include *Botrychium multifidum*, *Castilleja arachnoidea*, *Kelloggia galioides* and *Isoetes occidentalis*. If you like big, easy-to- identify sedges you can't go wrong with *Carex aquatilis*, *C. exsiccata*, *C. lenticularis*, *C. luzalina* along with *Scirpus congdonii* and *S. microcarpus*. Lovely large wet meadows in a dramatic glacially-carved granitic cirque are jammed with *Veratrum californicum*, *Helenium bigelovii* and other flowering morsels. Marvel at three species of *Potentilla* growing together and one of the most-western populations of aspen.

**General Driving Directions:** From Selma continue south on Hwy 199. Turn left (east) in Cave Junction and travel 18 miles on Hwy 46. Drive into the parking lot at Oregon Caves, turn around, head back down hill and immediately turn right on gravel road FS-960 and head uphill (steep at first) 2.7 miles, then right on FS-074 0.5 mile, and right on FS-079 0.8 mile to the trailhead parking area. Two choices to reach the old trailhead 0.6 miles from the present trailhead: walk the old road, or take the new trail segment upslope from the old roadbed, under the forest canopy.

**RT Mileage:** 62 miles (drive time one way: 1 hr 15 minutes). 1 mile hike into the large lake, the last part off trail. 1.4 miles from the large lake to the top of Mt. Elijah

# Flora of USFS ROADS 4613 & 070, and BIGELOW LAKES

## **Dennstaedtiaceae, Bracken Family**

*Pteridium aquilinum* var. *pubescens*, Bracken Fern

## **Dryopteridaceae, Wood Fern Family**

*Athyrium filix-femina* var. *cyclosorum*, Lady Fern  
*Cystopteris fragilis*, Brittle Bladder Fern, Fragile Fern  
*Polystichum imbricans*, Imbricate Sword Fern  
*P. munitum*, Western Sword Fern

## **Equisetaceae, Horsetail Family**

*Equisetum* sp., Horsetail

## **Ophioglossaceae, Adder's Tongue Family**

*Botrychium simplex*, Little Grape Fern

## **Cupressaceae, Cypress Family**

*Calocedrus decurrens*, Incense Cedar  
*Cupressus* [Chamaecyparis] *lawsoniana*, Port Orford Cedar

## **Pinaceae, Pine Family**

*Abies grandis*, Grand Fir  
*A. procera*, Noble Fir  
*Pinus albicaulis*, White Bark Pine  
*P. jeffreyi*, Jeffrey Pine  
*P. ponderosa*, Ponderosa Pine  
*Pseudotsuga menziesii*, Douglas Fir  
*Tsuga mertensiana*, Mountain Hemlock

## **Taxaceae, Yew Family**

*Taxus brevifolia*, Western Yew

## **Aceraceae, Maple Family**

*Acer circinatum*, Vine Maple  
*A. glabrum* var. *douglasii*, Douglas Maple  
*A. macrophyllum*, Oregon Bigleaf Maple

## **Anacardiaceae, Sumac Family**

*Toxicodendron diversilobum*, Western Poison Oak

## **Apiaceae, Parsley Family**

*Angelica geniflexa*, Kneeling Angelica  
*Heracleum lanatum*, Cow Parsnip  
*Lomatium* [?] *martindalei*, Martindale's Lomatium  
*Orogenia fusiformis*, Mountain Orogenia, Turkey Peas  
*Osmorhiza purpurea*, Purple Sweet Cicely  
*Sanicula graveolens*, Sierra Sanicle

## **Araliaceae, Ginseng Family**

*Aralia californica*, Western Aralia

## **Aristolochiaceae, Birthwort Family**

*Asarum caudatum*, Wild Ginger  
*A.* [?] *hartwegii* or *marmoratum*, Marbled Wild Ginger]

## **Asteraceae, Aster, Daisy, or Sunflower Family**

*Achillea millefolium*, Yarrow  
*Adenocaulon bicolor*, Pathfinder, Trail Plant  
*Arnica* sp., Arnica  
*Artemisia* sp., Wormwood  
*Aster brickelliodes*, Brickellbush Aster  
\* *Cirsium vulgare*, Bull Thistle  
*Eriophyllum lanatum* var., Oregon Sunshine  
*Hazardia* [Haplopappus] *whitneyi* ssp. *discoidea*, Whitney's Haplopappus  
*Hieracium albiflorum*, White-flowered Hawkweed  
\* *Hypochaeris radicata*, False Dandelion  
\* *Leucanthemum vulgare*, Oxeye Daisy, Marguerite  
*Petasites frigidus* var. *palmatum*, Western Coltsfoot  
*Rudbeckia* [?] *occidentalis* var. *glauca*, California Coneflower]

*Senecio bolanderi* var. *bolanderi*, Bolander's Groundsel  
*S. integerrimus* var. *exaltatus*, Western Groundsel  
*S. triangularis* var. *triangularis*, Arrowleaf Groundsel  
\* *Sonchus asper*, Prickly Sow Thistle  
\* *Taraxacum officinale*, Common Dandelion  
\* *Tragopogon dubius*, Yellow Salsify

## **Betulaceae, Birch Family**

*Alnus rubra*, Red Alder  
*Alnus viridis* ssp. *sinuata*, Sitka Alder

## **Berberidaceae, Barberry Family**

*Achlys triphylla*, Vanillaleaf  
*Mahonia* [Berberis] *aquifolium*, Oregon Grape  
*M.* [B.] *nervosa*, Low Oregon Grape  
*Vancouveria hexandra*, Inside-out-flower

## **Boraginaceae, Borage Family**

*Cynoglossum grande*, Pacific Hound's Tongue  
[?] *Hackelia micrantha* [jessicae], Blue Stickseed  
*Mertensia bella*, Oregon Bluebells or Lungwort

## **Brassicaceae, Mustard Family**

*Arabis drummondii*, Drummond's Rockcress  
*A.* [?] *glabra* var. *glabra*, Tower Mustard]  
*Cardamine pulcherrima* var. *tenella*, Slender Toothwort  
*Erysimum* [?] *capitatum* var., Western Wallflower]

## **Caprifoliaceae, Honeysuckle Family**

*Lonicera conjugialis*, Purpleflowered, or Double, Honeysuckle  
*L. hispidula*, Hairy Honeysuckle  
*Sambucus mexicana* [cerulea], Blue Elderberry  
*S. racemosa* var. *racemosa*, Red Elderberry  
*Symphoricarpos albus* var. *laevigatus*, Common Snowberry  
*S. mollis*, Creeping Snowberry

## **Caryophyllaceae, Pink Family**

*Moehringia* [Arenaria] *macrophylla*, Bigleaf Sandwort

## **Cornaceae, Dogwood Family**

*Cornus nuttallii*, Pacific Dogwood

## **Crassulaceae, Stonecrop Family**

*Sedum oregonense*, Creamy Stonecrop  
*S. spathulifolium*, Broadleaf Stonecrop  
*S. stenopetalum*, Wormleaf Stonecrop

## **Ericaceae, Heath Family**

*Arbutus menziesii*, Pacific Madrone  
*Arctostaphylos nevadensis*, Pinemat Manzanita  
*A. patula*, Green Manzanita  
*A.* sp., Manzanita  
*Gaultheria shallon*, Salal  
*Orthilia* [Pyrola] *secunda*, One Sided Pyrola  
*Pyrola picta*, White Vein Pyrola  
*Rhododendron macrophyllum*, Pacific Rhododendron  
*R. occidentale*, Western Azalea  
*Vaccinium membranaceum*, Big Huckleberry  
*V. ovatum*, Evergreen Huckleberry  
*Vaccinium* sp., Huckleberry

## **Fabaceae, Pea Family**

*Lathyrus polyphyllus*, Leafy Pea  
*L. vestitus* var., Pacific Pea  
\* *Lotus corniculatus*, Birdsfoot Trefoil  
*L. crassifolius* var. *subglaber*, Big Deervetch  
*L. purshianus* var. *purshianus*, Spanish Clover

- continued -

USFS Roads 4613 & 070, and Bigelow Lakes, page 2.

**Fabaceae**, continued.

*Lupinus* sp., Lupine  
*Rupertia* [Psoralea] *physodes*, California Tea  
\* *Trifolium dubium*, Least Hop Clover  
*T. longipes* var. *nevadense*, Long Stalked Clover  
\* *T. repens*, White Dutch Clover  
*Vicia americana* var. *americana*, American Vetch

**Fagaceae, Beech Family**

*Chrysolepis* [Castanopsis] *chrysophylla*, Golden Chinquapin  
*Lithocarpus densiflorus* var. *densiflorus*, Tanoak, Tanbark Oak  
*L. d.* var. *echinoides*, Dwarf Tanoak  
*Quercus chrysolepis*, Canyon Live Oak  
*Q. sadleriana*, Sadler Oak  
*Q. vaccinifolia*, Huckleberry Oak

**Fumariaceae, Fumitory Family**

*Dicentra formosa*, Pacific Bleedingheart  
*D. f.* ssp. *oregana*, Oregon Bleedingheart  
*D. uniflora*, Steershead

**Gentianaceae, Gentian Family**

*Gentiana plurisetosa*, Klamath Gentian  
*G. setigera*, Elegant Gentian

**Grossulariaceae, Currant, or Gooseberry, Family**

*Ribes binominatum*, Siskiyou, or Trailing, Gooseberry  
*R. lacustre*, Prickly Currant, Swamp Gooseberry  
*R. lobbii*, Gummy Gooseberry  
*R. marshallii*, Applegate's, or Marshall's, Gooseberry  
*R. sanguineum* var., Red Flowering Currant  
*R. viscosissimum* var., Sticky Currant

**Hydrophyllaceae, Waterleaf Family**

*Hydrophyllum capitatum* var. *alpinum*, Ballhead Waterleaf, Woolen Breeches  
*H. fendleri* var. *albifrons*, Fendler's Waterleaf  
*H. occidentale*, Western Waterleaf  
*Nemophila* [?] *parviflora* var. Smallflowered Nemophila  
*Phacelia corymbosa*, Rock Phacelia  
*P. nemoralis* ssp. *oregonensis*, Woodland Phacelia

**Hypericaceae, St. Johnswort Family**

\* *Hypericum perforatum*, Klamath Weed, Goatweed

**Lamiaceae, Mint Family**

[?]\* *Monarda* sp., Bee Balm  
*Monardella purpurea*, Siskiyou Monardella

**Malvaceae, Mallow Family**

*Iliamna latibracteata*, Broadbracted Globe Mallow  
*Sidalcea* [?] *oregana* ssp. *spicata*, Oregon Sidalcea

**Nymphaeaceae, Water Lily Family**

*Nuphar lutea* ssp. *polysepalum*, Indian Pond Lily

**Onagraceae, Evening Primrose Family**

*Ludwigia* sp., Water Purslane

**Orobanchaceae, Broomrape Family**

*Boschniakia strobilacea*, Ground Cone  
*Orobanche uniflora*, Naked Broomrape

**Philadelphaceae, Mock Orange Family**

*Whipplea modesta*, Whipplevine

**Polemoniaceae, Phlox Family**

*Phlox adsurgens*, Woodland Phlox  
*P. diffusa*, Spreading Phlox  
*P.* [Microsteris] *gracilis* var., Pink Microsteris

**Polygonaceae, Buckwheat Family**

*Eriogonum declinum*, Buckwheat  
*E. ternatum*, Waldo Eriogonum  
*E. umbellatum* var., Sulfurflower  
*Polygonum bistortoides*, Western Bistort  
*P. phytolaccifolium*, Alpine Knotweed  
\* *Rumex acetosella*, Sheep Sorrel  
\* *R. crispus*, Curly Dock

**Portulacaceae, Purslane Family**

*Calyptidium* [Spraguea] *umbellatum*, Pussy Paws  
*Claytonia* [Montia] *cordifolia*, Broadleaved Montia  
*C. lanceolata*, Springbeauty  
*C.* [Montia] *perfoliata*, Miner's Lettuce  
*C. rubra* ssp. *rubra*, Red Claytonia  
*C.* [Montia] *sibirica*, Candyflower  
*Lewisia leana*, Lee's, or Quill Leaved, Lewisia  
*L. nevadensis*, Nevada Lewisia  
*L. triphylla*, Threeleaf Lewisia  
*Montia parvifolia*, Littleleaf Montia

**Primulaceae, Primrose Family**

*Dodecatheon* [?] *alpinum*, Alpine Shooting Star  
*Dodecatheon jeffreyi*, Jeffrey Shooting Star  
*Trientalis latifolia*, Western Starflower

**Ranunculaceae, Buttercup Family**

*Actaea rubra*, Western Red Baneberry  
*Anemone deltoidea*, Western White Anemone  
*A. lyallii*, Lyall's Anemone  
*Aquilegia formosa*, Red Columbine  
*Caltha leptosepala* var. *biflora*, White Marshmarigold  
*Delphinium nuttallianum*, Dwarf, or Meadow, Larkspur  
*Ranunculus alismifolius* var., Water Plantain Buttercup  
*R. occidentalis*, Western Buttercup  
*R. populago*, Mountain Buttercup  
*R. uncinatus*, Little Buttercup

**Rhamnaceae, Buckthorn Family**

*Ceanothus integerrimus* var., Deer Brush  
*C. sanguineus*, Redstem Ceanothus  
*C. velutinus* var., Mountain Balm, Sticky Laurel

**Rosaceae, Rose Family**

*Amelanchier alnifolia* var. *semiintegrifolia*, Western Serviceberry  
*Fragaria vesca* var., Woods Strawberry  
*Holodiscus discolor*, Creambush Oceanspray  
*Potentilla glandulosa* ssp. *glandulosa*, Sticky Cinquefoil  
*Prunus emarginata*, Bitter Cherry  
*Rosa gymnocarpa*, Little Wild Rose  
*Rubus lasiococcus*, Dwarf Bramble  
*Rubus leucodermis*, Black Raspberry  
*R. parviflorus*, Thimbleberry  
*R. ursinus*, Pacific Blackberry  
*Sorbus* [?] *sitchensis* var. *grayi*, Sitka Mtn. Ash  
*Spiraea densiflora*, Subalpine Spirea  
*S. douglasii*, Douglas' Spirea

**Rubiaceae, Madder Family**

*Galium bifolium*, Thinleaf, or Low Mountain, Bedstraw  
*G. spp.*, Bedstraw

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#### **Salicaceae, Willow Family**

*Populus balsamifera* ssp. *trichocarpa*, Black Cottonwood  
*Salix* sp., Willow

#### **Saxifragaceae, Saxifrage Family**

*Boykinia major*, Mountain, or Greater, Boykinia  
*B. occidentalis* [elata], Coast Boykinia  
*Heuchera micrantha* var., Smallflowered Alumroot  
*Lithophragma bulbifera*, Rocketstar, Bulbiferous Woodlandstar  
*L.* [?] *parviflorum* var. *parviflorum*], Woodlandstar  
*Mitella breweri*, Brewer's Mitrewort  
*M. trifida*, Three Tooth, or Pacific, Mitrewort  
*Saxifraga arguta*, Brook Saxifrage  
*S. ferruginea*, Rusty Saxifrage  
*S.* sp., Saxifrage  
*Tellima grandiflora*, Fringecup

#### **Scrophulariaceae, Figwort Family**

*Castilleja miniata* ssp. *elata*, Slender Paintbrush  
*C. miniata* ssp., Scarlet Paintbrush  
*Collinsia grandiflora*, Blue Eyed Mary  
*C. parviflora*, Smallflowered Blue Eyed Mary  
*Mimulus breweri*, Brewer's Monkeyflower  
*M. guttatus*, Yellow Monkeyflower  
*Orthocarpus* sp., Owl Clover  
*Pedicularis bracteosa* var. *flavida*, Bracted Lousewort  
*P. racemosa*, Sickletop, or Leafy, Lousewort  
*Penstemon* sp., Penstemon  
*Tonella tenella*, Smallflowered Tonella  
*Veronica* sp., Speedwell

#### **Valerianaceae, Valerian Family**

*Valeriana sitchensis* ssp., Sitka Valerian

#### **Violaceae, Violet Family**

*Viola glabella*, Woodland, or Stream, Violet  
*V. macloskeyi*, Small White Violet  
*V. nuttallii* var. *bakeri*, Baker Violet  
*V. sempervirens*, Evergreen Violet  
*V. sheltonii*, Shelton's Violet

#### **Cyperaceae, Sedge Family**

*Carex* spp., Sedge

#### **Iridaceae, Iris Family**

*Iris chrysophylla*, Slender-tubed Iris

#### **Liliaceae, Lily Family**

*Allium acuminatum*, Hooker Onion  
*Calochortus* [?] *elegans*, Elegant Mariposa, Cat's Ear  
[?] *C. tolmiei*, Cat's Ear  
*Dichelostemma* [Brodiaea] *ida-maia*, Ida May, or Firecracker, Brodiaea  
[Hwy 46 just pre road 4613]  
*Erythronium grandiflorum*, Yellow Fawn, or Glacier, Lily  
*E. citrinum* [howellii], Howell's, or Lemon Colored, Fawn Lily  
*E. hendersonii*, Henderson's Fawn Lily  
[?] *E.* sp. (white), Trout Lily  
*Fritillaria affinis* [lanceolata] ssp. *affinis*, Checker Lily  
*Lilium pardalinum* ssp. *vollmeri*, Vollmer's Lily  
*L. p.* spp. *wigginsii*, Wiggin's Lily  
*Maianthemum* [Smilacina] *racemosum*, False Solomon's Seal  
*Maianthemum* [Smilacina] *stellatum*, Starry Solomon's Seal  
*Prosartes* [Disporum] *hookeri*, Hooker Fairy Bell  
*Trillium ovatum*, White Trillium [includes red flower form]  
*Triteleia* [Brodiaea] [?] *crocea*, Yellow Brodiaea  
*Veratrum californicum* var., California False Hellebore

#### **Orchidaceae, Orchid Family**

*Calypto bulbosa*, Venus, or Fairy, Slipper  
*Cephalanthera* [Eburopyton] *austiniiae*, Phantom Orchid  
*Corallorhiza* [?] *mertensiana*, Western, or Merten's, Coralroot  
*Goodyera oblongifolia*, Rattlesnake Plantain  
*Listera* sp., Twayblade  
*Platanthera* [Habenaria] *hyperborea*,  
Northern Green, or Green Flowered, Bog Orchid

#### **Poaceae, Grass Family**

*Agrostis* sp., Bentgrass  
\* *Bromus tectorum*, Cheatgrass, Downy Brome  
\* *Dactylis glomerata*, Orchard Grass  
\* *Holcus lanatus*, Common Velvetgrass

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#### **Key:**

- \* = Introduced species
- [a] = Obsolete genus and/or species
- [?] = Of uncertain identification, taxonomy, or presence

USFS Roads 4613 & 070, and Bigelow Lakes are easterly from the town of Cave Junction, near Oregon Caves National Monument, in Siskiyou National Forest. Road 4613 begins at Oregon Caves Highway 46, in Township 40S, Range 6W, Section 6, and immediately enters Township 39S, Range 6W, Section 31. It continues through Section 32, into Sections 5 and 4 (T40S), Section 33, and back into Sections 4 and 3 to Pepper Camp. Shortly after Pepper Camp USFS 070 leads to Bigelow Lakes trailhead. Elevation range is from approximately 2,500 feet to 6,000 feet at the Lakes.

Prepared by Wilbur L. Bluhm, Willamette Valley Chapter, Native Plant Society of Oregon, June 1989. Revised 1992, 1994, 2001, with assistance of Charlene Simpson and Veva Stansell.

Nomenclature and organization are, in order, according to (1) James C. Hickman, Editor, 1993, *The Jepson Manual: Higher Plants of California*, University of California Press, Berkeley, and (2) C. Leo Hitchcock and Arthur Cronquist, 1973, *Flora of the Pacific Northwest*, University of Washington Press, Seattle. Asteraceae is according to Kenton L. Chambers and Scott Sundberg, 2000, *Oregon Vascular Plant Checklist: Asteraceae*, Oregon Flora Project, Oregon State University, Corvallis.

Oregon Caves National Monument & Expansion Area - including Bigelow Basin & Mt Elijah  
Kristi Mergenthaler 2011

*Abies concolor* (Gord. & Glend.) Lindl. ex Hildebr.  
*Abies grandis*  
*Abies magnifica* A. Murr. var. *shastensis* Lemmon  
*Abies procera* Rehder  
*Acer circinatum* Pursh  
*Acer glabrum* Torr.  
*Acer macrophyllum* Pursh  
*Achillea millefolium* L.  
*Achlys californica* I. Fukuda & H.G. Baker  
*Achlys triphylla* (Sm.) DC.  
*Achnatherum nelsonii* (Scribn.) Barkworth  
*Achnatherum occidentale* (Thurb.) Barkworth  
*Aconitum columbianum* Nutt. ssp. *viviparum* (Greene) D.E. Brink  
*Actaea rubra* (Aiton) Willd.  
*Adenocaulon bicolor* Hook.  
*Adiantum aleuticum* (Rupr.) Paris  
*Agastache urticifolia* (Benth.) Kuntze  
*Agoseris aurantiaca* (Hook.) Greene var. *aurantiaca*  
*Agoseris grandiflora* (Nutt.) Greene  
*Agoseris heterophylla*  
*Agoseris retrorsa* (Benth.) Greene  
*Agrostis capillaris* L.  
*Agrostis exarata* Trin.  
*Agrostis gigantea* Roth  
*Agrostis stolonifera* L.  
*Agrostis thurberiana* A.S. Hitchc.  
*Aira caryophyllea* L.  
*Allium siskiyouense* Ownbey  
*Allium validum* S. Wats.  
*Alnus incana* (L.) Moench ssp. *tenuifolia* (Nutt.) Breitung  
*Alnus rhombifolia* Nutt.  
*Alnus viridis* (Chaix) DC. ssp. *sinuata* (Regel) A. Löve & D. Löve  
*Amelanchier alnifolia* (Nutt.) Nutt. ex M. Roem.  
*Anaphalis margaritacea* (L.) Benth.  
*Anemone deltoidea* Hook.  
*Anemone oregana* A. Gray  
*Angelica arguta* Nutt.  
*Antennaria argentea* Benth.  
*Anthemis cotula* L.  
*Anthoxanthum aristatum* Boiss.  
*Apocynum androsaemifolium* L.  
*Aquilegia formosa* Fisch. ex DC.  
*Arabis drummondii* A. Gray  
*Arabis holboellii* Hornem. var. *retrofracta* (Graham) Rydb.  
*Arabis lyallii* S. Watson var. *lyallii*  
*Arabis platysperma* A. Gray

*Aralia californica* S. Watson  
*Arbutus menziesii* Pursh  
*Arceuthobium abietinum* Engelm. ex Munz  
*Arceuthobium campylopodum* Engelm.  
*Arceuthobium douglasii* Engelm.  
"Arceuthobium siskiyouense Hawksw., Wiens & Nickrent"  
*Arctostaphylos canescens* Eastw.  
*Arctostaphylos nevadensis* Gray  
*Arctostaphylos patula* Greene  
*Arctostaphylos viscida* Parry  
*Arenaria congesta* Nutt.  
*Arenaria macrophylla* Hook.  
*Arnica discoidea* Benth.  
*Arnica latifolia* Bong.  
*Artemisia annua* L.  
*Artemisia douglasiana*  
*Artemisia douglasiana* Besser  
*Asarum caudatum* Lindl. var. *caudatum*  
*Asarum marmoratum* Piper  
*Aspidotis densa* (Brack.) Lellinger  
*Aster breweri*  
*Aster foliaceus* Lindl. ex DC.  
*Aster integrifolius* Nutt.  
*Aster radulinus* Gray  
*Athyrium filix-femina* (L.) Roth

*Barbarea vulgaris* W.T. Aiton  
*Boschniakia hookeri* Walp.  
*Boschniakia strobilacea* A. Gray  
*Botrich simplex* (on Wilson's list)  
*Botrichium multifidum*  
*Boykinia major* A. Gray  
*Boykinia occidentalis* Torr. & Gray  
*Bromus carinatus* Hook. & Arn.  
*Bromus hordeaceus* L.  
*Bromus inermis* Leyss.  
*Bromus laevipes* Shear  
*Bromus marginatus* Nees ex Steud.  
*Bromus orcuttianus* Vasey  
*Bromus pacificus* Shear  
*Bromus sterilis* L.  
*Bromus suksdorfii*  
*Bromus tectorum* L.  
*Bromus vulgaris* (Hook.) Shear

*Calamagrostis* Adans.  
*Calocedrus decurrens* (Torr.) Florin  
*Calochortus elegans* Pursh  
*Caltha leptosepala* DC.

*Calypso bulbosa* (L.) Oakes  
*Calypso bulbosa* (L.) Oakes var. *occidentalis* (Holz.) B. Boivin  
*Calyptridium umbellatum* (Torr.) Greene  
*Campanula prenanthoides* Dur.  
*Campanula scouleri* Hook. ex A. DC.  
*Capsella bursa-pastoris* (L.) Medik.  
*Cardamine californica* (Nutt.) Greene  
*Cardamine nuttallii* Greene var. *nuttallii*  
*Cardamine oligosperma* Nutt.  
*Carex amplifolia* Boott  
*Carex aquatilis* Wahlenb.  
*Carex athrostachya* Olney  
*Carex brainerdii* Mack.  
*Carex echinata* Murr. ssp. *Echinata*  
*Carex hoodii* Boott  
*Carex hyalinolepis* Steud.  
*Carex itegra*  
*Carex jonesii* L.H. Bailey  
*Carex laeviculmus*  
*Carex lenticularis* var. *impressa*  
*Carex leptopoda* Mack.  
*Carex luzalina*  
*Carex mertensii* Prescott ex Bong.  
*Carex microptera*  
*Carex multicostata* Mack.  
*Carex pachystachya* Cham. ex Steud.  
*Carex preslii* Steud.  
*Carex rossii* Boott  
*Carex spectabilis* Dewey  
*Carex subfusca* W. Boott  
*Castilleja affinis* Hook. & Arn. ssp. *affinis*  
*Castilleja applegatei* Fern.  
*Castilleja arachnoidea* Greenm.  
*Castilleja miniata* Douglas ex Hook. ssp. *miniata*  
*Ceanothus cuneatus* (Hook.) Nutt. var. *cuneatus*  
*Ceanothus integerrimus* Hook. & Arn.  
*Ceanothus velutinus* Douglas ex Hook. var. *velutinus*  
*Centaurea solstitialis* L.  
*Centromadia* sp  
*Cephalanthera austiniiae* (A. Gray) A. Heller  
*Cerastium arvense* L.  
*Cerastium fontanum* Baumg. ssp. *vulgare* (Hartm.) Greuter & Burdet  
*Cerastium glomeratum* Thuill.  
 "Cerastium vulgatum L. 1762, non 1755"  
*Chamaecyparis lawsoniana* (A. Murray) Parl.  
*Cheilanthes gracillima* D.C. Eaton  
*Chimaphila menziesii* (R. Br. ex D. Don) Spreng.  
*Chimaphila umbellata* (L.) W. Bartram ssp. *occidentalis* (Rydb.) Hultén  
*Chrysolepis chrysophylla* (Douglas ex Hook.) Hjelmqvist

*Cichorium intybus* L.  
*Cinna latifolia* (Trevis. ex Goepp.) Griseb.  
*Circaea alpina* L.  
*Cirsium vulgare* (Savi) Ten.  
*Clarkia rhomboidea* Douglas ex Hook.  
*Claytonia cordifolia* S. Watson  
*Claytonia exigua* Torr. & A. Gray  
*Claytonia lanceolata* Pall. ex Pursh var. *lanceolata*  
*Claytonia perfoliata* Donn ex Willd.  
*Claytonia sibirica* L.  
*Clinopodium douglasii* (Benth.) Kuntze  
*Clintonia uniflora* (Menzies ex Schult. & Schult. f.) Kunth  
*Collinsia parviflora* Lindl.  
*Collinsia rattanii* A. Gray ssp. *rattanii*  
*Collinsia sparsiflora* Fisch. & C.A. Mey. var. *sparsiflora*  
*Collomia grandiflora* Douglas ex Lindl.  
*Collomia heterophylla* Douglas ex Hook.  
*Collomia linearis* Nutt.  
*Collomia tinctoria* Kellogg  
*Conyza canadensis* (L.) Cronquist  
*Corallorrhiza maculata* (Raf.) Raf.  
*Corallorrhiza mertensiana* Bong.  
*Corallorrhiza striata* Lindl.  
*Cornus canadensis*  
*Cornus nuttallii* Audubon ex Torr. & A. Gray  
*Corylus cornuta* Marsh. var. *californica* (A. DC.) Sharp  
*Crepis acuminata* Nutt.  
*Crepis capillaris* (L.) Wallr.  
*Crepis occidentalis* Nutt.  
*Cryptantha simulans* Greene  
*Cryptogramma acrostichoides*  
*Cynoglossum grande*  
*Cynosurus echinatus* L.  
*Cystopteris fragilis* (L.) Bernh.  
*Cytisus scoparius* (L.) Link var. *scoparius*

*Dactylis glomerata* L. ssp. *glomerata*  
*Danthonia californica* Bol.  
*Daucus carota* L.  
*Delphinium depauperatum* Nutt.  
*Delphinium glaucum* S. Watson  
*Deschampsia cespitosa* (L.) P. Beauv.  
*Deschampsia elongata* (Hook.) Munro  
*Descurainia incana* (Bernh. ex Fisch. & C.A. Mey.) Dorn ssp. *incisa* (Engelm. ex A. Gray) Kartesz & Gandhi  
*Descurainia pinnata* (Walter) Britton ssp. *intermedia* (Rydb.) Detling  
*Dicentra formosa* (Haw.) Walp. ssp. *formosa*  
*Dichelostemma capitatum* (Benth.) Alph. Wood ssp. *capitatum*  
*Digitalis purpurea* L. var. *purpurea*  
*Dipsacus fullonum* L.

*Disporum hookeri* (Torr.) Nichols.  
*Dodecatheon jeffreyi* Van Houtte  
*Draba verna* L.  
*Dryopteris expansa*

*Eleocharis acicularis* (L.) Roem. & Schult.  
*Elymus elymoides* (Raf.) Swezey  
*Elymus glaucus* Buckley  
*Epilobium angustifolium* L.  
*Epilobium brachycarpum* C. Presl  
*Epilobium ciliatum* Raf. ssp. *ciliatum*  
*Epilobium ciliatum* Raf. ssp. *glandulosum* (Lehm.) Hoch & P.H. Raven  
*Epilobium minutum* Lindl. ex Lehm.  
*Equisetum arvense* L.  
*Equisetum hyemale* L. ssp. *affine* (Engelm.) Calder & Taylor  
*Erechtites glomerata* (Desf. ex Poir.) DC.  
*Ericameria nauseosa* (Pall. ex Pursh) G.L. Nesom & Baird  
*Erigeron aliciae* Howell  
*Erigeron coulteri* Porter  
*Erigeron inornatus* (A. Gray) A. Gray  
*Erigeron karvinskianus* DC.  
*Eriogonum nudum* Douglas ex Benth.  
*Eriogonum ovalifolium* Nutt.  
*Eriogonum umbellatum* Torr.  
*Eriogonum umbellatum* Torr. ssp. *polyanthum* (Benth.) S. Stokes  
*Eriophyllum lanatum* (Pursh) Forbes  
*Erysimum capitatum* (Douglas ex Hook.) Greene  
*Erythronium citrinum* S. Watson  
*Erythronium grandiflorum* Pursh  
*Erythronium hendersonii*  
*Eschscholzia californica* Cham. ssp. *californica*  
*Eucephalus brickellioides* (Greene) G.L. Nesom  
*Eurybia radulina* (A. Gray) G.L. Nesom (Aster)

*Festuca occidentalis* Hook.  
*Festuca roemerii*  
*Festuca rubra* L.  
*Festuca subulata* Trin.  
*Festuca subuliflora* Scribn.  
*Fragaria vesca* L.  
*Fragaria vesca* L. ssp. *bracteata* (A. Heller) Staudt  
*Fragaria virginiana* Duchesne  
*Frangula purshiana* (Cascara)  
*Fritillaria affinis* (Schult.) Sealy var. *affinis*  
*Fritillaria atropurpurea* Nutt.  
*Fritillaria* L.

*Galium andrewsii* A. Gray  
*Galium aparine* L.

*Galium bifolium* S. Watson  
*Galium bolanderi* A. Gray  
*Galium mexicanum* Kunth var. *asperulum* (Gray) Dempster  
*Galium oreganum* Britton  
*Galium triflorum* Michx.  
*Garrya fremontii* Torr.  
*Gaultheria shallon* Pursh  
*Gayophytum diffusum* Torr. & A. Gray  
*Gentiana plurisetosa* C.T. Mason  
*Geum macrophyllum* Willd. var. *macrophyllum*  
*Gilia capitata* Sims ssp. *capitata*  
*Glyceria occidentalis* (Piper) J.C. Nels.  
*Glyceria striata* (Lam.) Hitchc.  
*Goodyera oblongifolia* Raf.

*Hackelia micrantha* (Eastw.) J.L. Gentry  
*Hackelia setosa* (Piper) I.M. Johnst.  
*Helenium bigelovii* Gray  
*Hemitomes congestum* A. Gray  
*Heracleum maximum* Bartram  
*Heuchera micrantha*  
*Hieracium albiflorum* Hook.  
*Hieracium scouleri* Hook.  
*Hierochloa occidentalis* Buckley  
*Holcus lanatus* L.  
*Holodiscus discolor* (Pursh) Maxim.  
*Hydrophyllum fendleri* (A. Gray) A. Heller var. *albifrons* (A. Heller) J.F. Macbr.  
*Hydrophyllum occidentale* (S. Watson) A. Gray  
*Hypericum anagalloides* Cham. & Schlecht  
*Hypericum perforatum* L.  
*Hypochaeris radicata* L.

*Iliamna latibracteata* Wiggins  
*Iris chrysophylla* Howell  
*Isoetes occidentalis*

*Juncus bufonius* L.  
*Juncus effusus* L.  
*Juncus ensifolius* Wikstr.  
*Juncus exiguus*  
*Juncus mertensianus*  
*Juncus parryi*  
*Juncus patens* E. Mey.  
*Juncus tenuis* Willd.

*Kelloggia galioides* Torr.

*Lathyrus lanszwertii* Kellogg var. *brownii* (Eastw.) Jeps.  
*Lathyrus nevadensis* S. Watson

*Lathyrus polyphyllus* Nutt.  
*Lathyrus torreyi* A. Gray  
*Ligusticum grayi* Coult. & Rose  
*Lilium columbianum* Leichtlin  
*Lilium pardalinum* Kellogg ssp. *vollmeri* (Eastw.) M.W. Skinner  
*Lilium parvum* Kellogg  
*Lilium wasingtonianum*  
*Linanthus harknessii* (Curran) Greene  
*Linnaea borealis* L. ssp. *longiflora* (Torr.) Hultén  
*Listera caurina* Piper  
*Lithocarpus densiflorus* (Hook. & Arn.) Rehder var. *densiflorus*  
*Lithophragma campanulatum* Howell  
*Lithophragma glabrum* Nutt.  
*Lithophragma parviflorum* (Hook.) Nutt. ex Torr. & A. Gray var. *parviflorum*  
*Lolium arundinaceum* (Schreb.) S.J. Darbyshire  
*Lolium perenne* L. ssp. *multiflorum* (Lam.) Husnot  
*Lomatium dissectum*  
*Lomatium macrocarpum* (Nutt. ex Torr. & A. Gray) J.M. Coult. & Rose  
*Lonicera ciliosa* (Pursh) Poir. ex DC.  
*Lonicera conjugialis* Kellogg  
*Lonicera hispidula* (Lindl.) Douglas ex Torr. & A. Gray  
*Lotus corniculatus* L.  
*Lotus crassifolius* (Benth.) Greene var. *crassifolius*  
*Lotus micranthus* Benth.  
*Lotus nevadensis* (S. Watson) Greene var. *nevadensis*  
*Lotus oblongifolius* (Benth.) Greene  
*Lotus oblongifolius* (Benth.) Greene var. *oblongifolius*  
*Lupinus albicaulis* Douglas var. *albicaulis*  
*Lupinus polyphyllus*

*Luzula comosa* E. Mey.  
*Luzula parviflora* (Ehrh.) Desv.

*Machaeranthera canescens* (Pursh) Gray ssp. *canescens* var. *shastensis* (Gray) B.L. Turner  
*Madia bolanderi* (Gray) Gray  
*Madia exigua* (Sm.) A. Gray  
*Madia gracilis* (Sm.) D.D. Keck  
*Madia madioides* (Nutt.) Greene  
*Madia minima* (Gray) Keck  
*Mahonia aquifolium* (Pursh) Nutt.  
*Mahonia nervosa*  
*Mahonia nervosa* (Pursh) Nutt.  
*Maianthemum racemosum* (L.) Link ssp. *racemosum*  
*Maianthemum stellatum* (L.) Link  
*Medicago lupulina* L.  
*Melica harfordii* Boland.  
*Melica* L.  
*Melica subulata* (Griseb.) Scribn. var. *subulata*  
*Melilotus alba* Medikus

*Mertensia bella* Piper  
*Mimulus alsinoides* Douglas ex Benth.  
*Mimulus breweri* (Greene) Coville  
*Mimulus guttatus* DC.  
*Mimulus moschatus* Douglas ex Lindl. var. *moschatus*  
*Mimulus suksdorfii* A. Gray  
*Mitella breweri* A. Gray  
*Mitella caulescens* Nutt.  
*Mitella diversifolia* Greene  
*Mitella ovalis* Greene  
*Mitella trifida* Graham var. *trifida*  
*Moehringia macrophylla* (Hook.) Fenzl  
*Monardella glauca* Greene  
*Monardella odoratissima* Benth.  
*Montia parvifolia* (Moc. ex DC.) Greene  
*Muhlenbergia filiformis*  
*Myosotis discolor* Pers.

*Navarretia intertexta* (Benth.) Hook. ssp. *intertexta*  
*Nemophila parviflora* Douglas ex Benth.  
*Nothochelone nemorosa* (Dougl. ex Lindl.) Straw  
*Nuphar lutea* (L.) Sm. ssp. *polysepala* (Engelm.) E.O. Beal

*Orobanche pinorum* Geyer ex Hook.  
*Orobanche uniflora* L.  
*Orogenia fusiformis* S. Watson  
*Orthilia secunda* (L.) House  
*Orthocarpus cuspidatus* Greene ssp. *copelandii* (Eastw.) T.I. Chuang & Heckard  
*Orthocarpus imbricatus* Torr. ex S. Watson  
*Osmorhiza berteroi* DC.  
*Osmorhiza chilensis* Hook. & Arn.  
*Osmorhiza occidentalis* (Nutt. ex Torr. & A. Gray) Torr.

*Packera bolanderi* (A. Gray) W.A. Weber & A. Löve var. *bolanderi*  
*Panicum capillare* L.  
*Parnassia californica* (A. Gray) Greene  
*Paxistima myrsinites* (Pursh) Raf.  
*Pedicularis bracteosa* var. *flavida*  
*Pedicularis contorta* Benth.  
*Pedicularis racemosa* Douglas ex Benth.  
*Penstemon anguineus* Eastw.  
*Penstemon deustus* Douglas ex Lindl.  
*Penstemon laetus* A. Gray ssp. *sagittatus* D.D. Keck  
*Penstemon newberryi* Gray  
*Penstemon speciosus* Douglas ex Lindl.  
*Pentagramma triangulis*  
*Perideridia gairdneri* (Hook. & Arn.) Mathias  
*Perideridia oregana* (S. Watson) Mathias  
*Perideridia parishii* (J.M. Coult. & Rose) A. Nelson & J.F. Macbr.

*Petasites frigidus* (L.) Fr. var. *palmatus* (Aiton) Cronquist  
*Phacelia corymbosa* Jeps.  
*Phacelia hastata* Douglas ex Lehm.  
*Phacelia heterophylla* Pursh  
*Phacelia heterophylla* Pursh ssp. *heterophylla*  
*Phacelia procera* A. Gray  
*Philadelphus lewisii* Pursh  
*Phleum alpinum* L.  
*Phleum pratense* L.  
*Phlox adsurgens* Torr. ex A. Gray  
*Phlox diffusa* Benth.  
*Phlox gracilis* (Hook.) Greene  
*Phlox gracilis* (Hook.) Greene ssp. *gracilis*  
*Pinus attenuata* Lemmon  
*Pinus lambertiana* Douglas  
*Pinus monticola* Douglas ex D. Don  
*Pinus ponderosa* C. Lawson  
*Piperia candita*  
*Piperia* sp.  
*Piperia unalascensis* (Spreng.) Rydb.  
*Plantago lanceolata* L.  
*Plantago major* L.  
*Platanthera hyperborea* (L.) Lindl.  
*Platanthera sparsiflora* (S. Watson) Schltr.  
*Platanthera stricta*  
*Pleuropogon refractus* (A. Gray) Benth. ex Vasey  
*Poa annua* L.  
*Poa bulbosa* L.  
*Poa compressa* L.  
*Poa pratensis* L.  
*Poa secunda* J. Presl  
*Poa trivialis* L.  
*Polygonum aviculare* L.  
*Polygonum bistoroides*  
*Polygonum californicum* Meisn.  
*Polygonum davisiae* W.H. Brewer ex A. Gray  
*Polygonum douglasii* Greene  
*Polygonum minimum* S. Watson  
*Polygonum phytolaccifolium* Meisn. ex Small  
*Polypodium* sp  
*Polypogon monspeliensis* (L.) Desf.  
*Polystichum imbricans* (D.C. Eaton) D.H. Wagner ssp. *imbricans*  
*Polystichum munitum* (Kaulf.) C. Presl  
*Populus tremuloides*  
*Potentilla drummondii* Lehm.  
*Potentilla glandulosa* Lindl.  
*Potentilla gracilis* Dougl. ex Hook.  
*Prosartes hookeri* Torr. Hookera  
*Prunella vulgaris* L. ssp. *lanceolata* (W. Bart.) Hultén

*Prunus emarginata* (Douglas ex Hook.) D. Dietr. var. *emarginata*  
*Prunus virginiana*  
*Pseudotsuga menziesii* (Mirb.) Franco  
*Psilocarphus brevissimus* Nutt.  
*Psilocarphus brevissimus* Nutt. var. *brevissimus*  
*Psilocarphus tenellus* Nutt.  
*Pteridium aquilinum* (L.) Kuhn var. *pubescens* Underw.  
*Pterospora andromedea* Nutt.  
*Pyrola picta* Sm.

*Quercus chrysolepis* Liebm. var. *chrysolepis*  
*Quercus garryana* Dougl. ex Hook. var. *breweri* (Engelm.) Jepson  
*Quercus kelloggii* Newberry  
*Quercus sadleriana* R. Br.

*Ranunculus uncinatus* D. Don ex G. Don  
*Rhododendron macrophyllum* D. Don ex G. Don  
*Ribes binominatum* A. Heller  
*Ribes cruentum* Greene  
*Ribes lacustre* (Pers.) Poir.  
*Ribes lobbii* A. Gray  
*Ribes marshallii* Greene  
*Ribes sanguineum* Pursh  
*Ribes viscosissimum* Pursh  
*Rorippa curvisiliqua* (Hook.) Besser ex Britton  
*Rosa gymnocarpa* Nutt.  
*Rubus armeniacus*  
*Rubus laciniatus* Willd.  
*Rubus lasiococcus* A. Gray  
*Rubus leucodermis* Douglas ex Torr. & A. Gray  
*Rubus nivalis* Douglas ex Hook.  
*Rubus parviflorus* Nutt.  
*Rubus ursinus* Cham. & Schltdl.  
*Rudbeckia occidentalis* Nutt.  
*Rumex acetosella* L.  
*Rumex conglomeratus* Murray  
*Rumex obtusifolius* L.  
*Rumex obtusifolius* L. ssp. *agrestis* (Fries) Danser  
*Rumex salicifolius* Weinm. var. *mexicanus* (Meisn.) C.L. Hitchc.  
*Sagina* L.  
*Sagina saginoides* (L.) Karst.  
*Salix eastwoodiae* Cockerell ex Heller  
*Salix* L.  
*Salix lasiolepis* Benth.  
*Salix lucida* Muhl.  
*Salix scouleriana* Barratt ex Hook.  
*Sambucus mexicana* K. Presl ex DC.  
*Sambucus racemosa* L. var. *racemosa*  
*Sanicula graveolens* Poepp. ex DC.

*Sarcodes sanguinea* Torr.  
*Satureja douglasii* (Benth.) Briq.  
*Saussurea americana* D.C. Eaton  
*Saxafraga ferruginea*  
*Saxifraga ferruginea*  
*Scirpus congdonii*  
*Scirpus microcarpus* J. Presl & C. Presl  
*Scleranthus annuus* L.  
*Sedum divergens* S. Watson  
*Sedum oregonense* (S. Watson) M. Peck  
*Sedum spathulifolium* Hook.  
*Sedum stenopetalum* Pursh  
*Senecio bolanderi* Gray  
*Senecio integerrimus* Nutt. var. major (A. Gray) Cronquist  
*Senecio triangularis* Hook.  
*Sidalcea malviflora* (DC.) A. Gray ex Benth. ssp. *asprella* (Greene) C.L. Hitchc.  
*Sidalcea oregana* (Nutt. ex Torr. & Gray) Gray  
Sierra bog orchid  
*Silene campanulata* S. Watson ssp. *glandulosa* C.L. Hitchc. & Maguire  
*Sonchus asper* (L.) Hill  
*Sorbus sitchensis* M. Roem.  
*Spergularia rubra* (L.) J. Presl & C. Presl  
*Spiranthes porrifolia*  
*Spirea douglasii*  
*Stachys rigida* Nutt. ex Benth.  
*Stellaria crispa* Cham. & Schtdl.  
*Stellaria media* (L.) Vill. ssp. *media*  
*Stenanthium occidentale* A. Gray  
*Streptopus amplexifolius* (L.) DC.  
*Symphoricarpos albus* (L.) S.F. Blake var. *laevigatus* (Fernald) S.F. Blake  
*Symphoricarpos hesperius* G.N. Jones  
*Symphoricarpos mollis*  
*Synthyris reniformis* (Douglas ex Benth.) Benth.

*Tanacetum parthenium* (L.) Sch. Bip.  
*Taraxacum officinale* F.H. Wigg.  
*Taxus brevifolia* Nutt.  
*Tellima grandiflora* (Pursh) Douglas ex Lindl.  
*Thalictrum fendleri*  
*Tiarella trifoliata* L. var. *unifoliata* (Hook.) Kurtz  
*Tofieldia glutinosa* (Michx.) Pers.  
*Tolmiea menziesii* (Pursh) Torr. & A. Gray  
*Torilis arvensis*  
*Toxicodendron diversilobum* (Torr. & A. Gray) Greene  
*Tragopogon dubius* Scop.  
*Trautvetteria caroliniensis* (Walt.) Vail  
*Trientalis borealis* Raf. ssp. *latifolia* (Hook.) Hultén  
*Trifolium dubium* Sibth.  
*Trifolium eriocephalum* Nutt.

*Trifolium howellii* S. Watson  
*Trifolium longipes* Nutt.  
*Trifolium repens* L.  
*Trillium albidum* J.D. Freeman  
*Trillium ovatum* Pursh ssp. *ovatum*  
*Trisetum canescens* Buckley  
*Triteleia hyacinthina*  
*Tsuga mertensiana* (Bong.) Carrière

*Urtica dioica* L. ssp. *gracilis* (Aiton) Seland.

*Vaccinium membranaceum* Douglas ex Torr.  
*Vaccinium parvifolium*  
*Vaccinium uglinosum*  
*Valeriana sitchensis* Bong.  
*Vancouveria hexandra* (Hook.) C. Morren & Decne.  
*Vancouveria planipetala* Calloni  
*Veratrum californicum* Dur.  
*Veratrum insolitum* Jeps.  
*Veratrum viride* Aiton  
*Verbascum thapsus* L.  
*Verbena lasiostachys* Link  
*Veronica americana* Schwein. ex Benth.  
*Veronica arvensis* L.  
*Veronica serpyllifolia* L.  
*Veronica serpyllifolia* L. ssp. *humifusa* (Dickson) Syme  
*Vicia americana* Muhl. ex Willd. ssp. *americana*  
*Viola glabella* Nutt.  
*Viola praemorsa* Douglas ex Lindl.  
*Viola sempervirens* Greene  
*Viola sheltonii* Torr.  
*Vulpia bromoides* (L.) Gray  
*Vulpia myuros* (L.) C.C. Gmel.

*Whipplea modesta* Torr.  
Woodsia

*Xerophyllum tenax* (Pursh) Nutt.

*Yabea microcarpa* (Hook. & Arn.) Koso-Pol.