

## Lists: Floristic Survey

### PTERIDOPHYTES

#### **EQUISETACEAE**

- Equisetum arvense* L.; GUU, ELM, FRA, WEM, GRA, SWA; Riverine, Moist drainage, Palustrine, Aspen, Spruce/fir, Wet Meadow, Mixed conifer; GC, DC; 6600-11200; 42.
- Equisetum hyemale* L. var. *affine* (Engelm.) A. A. Eat.; [*Hippochaete hyemalis*]; FRA, WEM; Riparian, Aspen, Mixed conifer; GC, DC; 6900-9800; 11.
- Equisetum laevigatum* A. Br.; WEM, FRA; [*Hippochaete laevigata*]; Riverine, Moist drainage, Submontane meadow; GC; 7350-8100; 4.
- Equisetum variegatum* Schleich. ex Weber & Mohr var. *variegatum*; FRA, WEM, GRA; Riverine, Palustrine, Moist drainage; GC, DC; 6350-8500; 4.

#### **POLYPODIACEAE**

- Athyrium alpestre* Clairv. var. *americanum* Butters; [in Athyriaceae]; WEM; Alpine, Subalpine meadow; GC; 11500-12000; 1.
- Cheilanthes feei* T. Moore; [in Sinopteridaceae]; GUU; Saltbush and sagebrush; DC; 6900-7300; 1.
- Cryptogramma acrostichoides* R. Br.; [in Cryptogrammaceae]; FRA, WEM; Spruce/fir, Subalpine meadow, Mixed conifer; GC; 7900-11300; 4.
- Cystopteris fragilis* (L.) Bernh. var. *fragilis*; [in Athyriaceae]; WEM, FRA, ELM; Aspen, Spruce/fir, Douglas-fir, Alpine, Mixed conifer, Wet meadow, Spruce krummholz, Subalpine meadow; GC; 7700-12500; 27.
- Gymnocarpium disjunctum* (Rupr.) Ching; [*Gymnocarpium dryopteris* ssp. *disjunctum* in Athyriaceae]; FRA; Mixed conifer, Aspen; GC; 10300-10400; 1.
- Pteridium aquilinum* (L.) Kuhn var. *pubescens* Underw.; [in Hypolepidaceae]; WEM; Aspen, Oak, Spruce/fir, Mixed conifer; GC, DC; 7150-10500; 12.
- Woodsia oregana* D. C. Eat. var. *cathcartiana* (Robins.) C.V. Morton; [in Woodsiaceae]; ELM, WEM, FRA; Pinyon/juniper, Aspen, Mixed conifer; GC; 7700-9800; 6.

#### **SELAGINACEAE**

- Selaginella densa* Rydb.; WEM, FRA, ELM, SWA; Sagebrush, Alpine, Spruce krummholz, Subalpine meadow, Mixed conifer, Douglas-fir, Ponderosa pine; GC; 7900-13035; 16.

### GYMNOSPERMS

#### **CUPRESSACEAE**

- *Juniperus communis* L. var. *depressa* Pursh; WEM, FRA, ELM, GRA; [*Juniperus communis* var. *alpina*] Spruce/fir, Aspen, Subalpine meadow, Mixed conifer, Sagebrush, Lodgepole pine, Douglas-fir, Spruce krummholz; GC, DC; 7200-11600; 57.
- *Juniperus osteosperma* (Torr.) Little; [*Sabina osteosperma*]; GUU; Pinyon/juniper, Sagebrush and saltbush; DC, MC; 5450-7600; 15.
- *Juniperus scopulorum* Sarg.; [*Sabina scopulorum*]; WEM, FRA; Oak, Sagebrush, Aspen, Mixed conifer; GC, MC; 6400-9850; 43.

## EPHEDRACEAE

- *Ephedra viridis* Cov. var. *viridis*; GUU; Sagebrush and saltbush; DC; 5450; 1.
- *Ephedra viridis* Cov. var. *viscida* (Cutler) L. Benson; GUU; Pinyon/juniper; DC, MC; 5820-7850; 4.

## PINACEAE

- *Abies lasiocarpa* (Hook.) Nutt. var. *lasiocarpa*; WEM, ELM, GRA, FRA; Mixed conifer, Spruce/fir, Aspen; GC, DC; 7700-11600; 26.
- *Picea engelmannii* Parry ex Engelm.; WEM, ELM, GRA, FRA, SWA; Spruce/fir, Mixed conifer, Spruce krummholz; GC; 7700-11600; 50.
- *Picea pungens* Engelm.; FRA, WEM, GRA; Riverine, Aspen; GC, DC; 6900-9450; 19.
- *Pinus aristata* Engelm.; FRA; Spruce/fir; GC; 11300; 1.
- *Pinus contorta* Dougl. ex Loud. var. *latifolia* Engelm. ex Wats.; FRA, ELM, WEM, SWA; Lodgepole pine, Spruce/fir, Aspen, Mixed conifer; DC, MC, GC; 7700-11400; 36.
- *Pinus edulis* Engelm.; GUU; Pinyon/juniper; MC, GC, DC; 6000-8000; 8.
- *Pinus flexilis* James; FRA, WEM, ELM; Mixed conifer, Aspen; DC, GC; 7600-11150; 9.
- *Pinus ponderosa* P. & C. Lawson; FRA, WEM; Douglas-fir/Ponderosa pine, Mixed conifer; GC; 6350-9350; 7.
- *Pseudotsuga menziesii* (Mirb.) Franco var. *glauca* (Beissn.) Franco; FRA, WEM, GRA, ELM; Aspen, Douglas-fir, Douglas-fir/Ponderosa pine, Mixed conifer, Sagebrush; GC, DC, MC; 6400-10600; 53.

## ANGIOSPERMS

### ACERACEAE

- *Acer glabrum* var. *glabrum* Torr.; WEM, FRA, ELM, GUU; Douglas-fir, CO blue spruce, Aspen, Spruce/fir, Sagebrush, Lodgepole pine, Oak, Douglas-fir/Ponderosa pine, Riverine; GC, DC; 6350-11500; 34.
- *Acer negundo* L. var. *interius* (Britt.) Sarg.; GUU; Juniper, Riverine; GC, DC; 5820-8200; 4.

### ADOXACEAE

•*Adoxa moschatellina* L.; WEM; Spruce krummholz, Alpine; GC; 11400-11800; 1.

## AGAVACEAE

•*Yucca harrimaniae* Trel. var. *harrimaniae*; GUU; Sagebrush and saltbush, Juniper; DC; 6000-6500; 1.

## ALISMATACEAE

•*Sagittaria cuneata* Sheld.; WEM; Palustrine constructed; GC; 7500; 1.

## ANACARDIACEAE

•*Rhus trilobata* Nutt. var. *trilobata*; [*Rhus aromatica* ssp. *trilobata*]; FRA, GUU; Oak, Sagebrush and saltbush, Sagebrush, Pinyon/juniper; GC, DC; 6100-8450; 14.

•*Toxicodendron rydbergii* (Small ex Rydb.) Greene; WEM; Oak; GC; 6900-7900; 2.

## APIACEAE

•*Angelica ampla* A. Nels.; WEM; Riverine; GC, DC; 7350-8500; 2.

•*Angelica grayi* (Coul. & Rose) Coul. & Rose; ELM, WEM, FRA, SWA; Alpine, Spruce krummholz, Riverine, Alpine talus; GC; 9150-13300; 20.

•*Angelica pinnata* Wats.; GRA; Aspen; DC; 8600; 1.

•+! *Carum carvi* L.; Riverine, Palustrine constructed; GC; 7500-8400; 2.

•*Cicuta maculata* L. var. *angustifolia* Hook.; [*Cicuta douglasii*]; FRA, GUU; Riverine, Palustrine constructed; DC, GC; 6800-7100; 3.

•*Conioselinum scopulorum* (Gray) Coul. & Rose; ELM, WEM, FRA; Spruce/fir, Aspen, Riverine; GC; 8850-11300; 7.

•*Cymopterus alpinus* Gray; FRA, ELM, SWA; Riverine, Sagebrush, Alpine, Aspen; GC; 8250-13300; 13.

•*Cymopterus bulbosus* A. Nels.; GUU; Pinyon/juniper, Sagebrush, Sagebrush and saltbush; DC, MC; 6000-8160; 6.

•*Cymopterus lemmonii* (Coul. & Rose) Dorn; [*Pseudocymopterus montanus*]; WEM, FRA, ELM, SWA; Spruce krummholz, Subalpine meadow, Spruce/fir, Spruce, Alpine, Aspen, Lodgepole pine, Montane meadow, Mixed conifer, Sagebrush; 7700-13100; 74.

•*Cymopterus planosus* (Osterh.) Math.; GUU; Pinyon/juniper, Juniper, Sagebrush and saltbush, Sagebrush; GC, MC, DC; 5820-8500; 13.

•*Cymopterus purpureus* S. Wats.; GUU; Pinyon/juniper, Juniper; DC, MC; 6600-7400; 3.

•*Cymopterus* sp. *nov.*; GUU, WEM; Sagebrush; GC, DC; 6100-9800; 15.

•*Heracleum sphondylium* L. var. *lanatum* (Michx.) Dorn; [*Heracleum sphondylium* ssp. *montanum*]; WEM, ELM, FRA; Riverine, Aspen, Palustrine, Montane meadow, Spruce/fir,

- Subalpine meadow; DC, GC; 8300-11600; 20.
- Ligusticum porteri* Coult. & Rose var. *porteri*; WEM, ELM; Spruce/fir, Subalpine meadow, Aspen, Oak, Mixed conifer, Spruce krummholz; GC, DC; 6350-11600; 27.
  - \**Lomatium bicolor* (Wats.) Coult. & Rose var. *leptocarpum* (T. & G.) Schlessm.; WEM; Oak, Pinyon/juniper, Aspen, Montane meadow; DC, GC; 5820-9100; 14.
  - #*Lomatium concinnum* (Osterh.) Math.; GUU; Juniper, Pinyon/juniper, Sagebrush and saltbush; DC, MC; 5820-8160; 6.
  - Lomatium dissectum* (Nutt.) Math. & Const. var. *multifidum* (Nutt.) Math. & Const.; WEM, ELM, GUU, FRA; Douglas-fir/Ponderosa pine, Spruce/fir, Montane meadow, Pinyon/juniper, Oak, Sagebrush, Aspen, Mixed conifer; DC, GC, MC; 5820-10800; 25.
  - #*Lomatium eastwoodiae* (Coult. & Rose) J. F. Macbr.; GUU; Pinyon/Juniper; DC; 6000-7300; 1.
  - Lomatium grayi* (Coult. & Rose) Coult. & Rose var. *grayi*; GUU; Pinyon/juniper, Sagebrush; DC; 6400-7400; 3.
  - Lomatium triternatum* (Pursh) Coult. & Rose ssp. *platycarpum* (Torr.) Cronq.; GUU; FRA, WEM; Sagebrush, Pinyon/juniper, Oak; GC, DC, MC; 5820-10600; 28.
  - Orogenia linearifolia* Wats.; GUU; Pinyon/juniper; DC; 7300-7850; 1.
  - Osmorhiza chilensis* H. & A.; WEM; Mixed conifer, Spruce/fir, Lodgepole pine, Aspen, Riverine; GC; 6550-10000; 6.
  - Osmorhiza depauperata* Phil.; WEM, ELM, FRA; Aspen, Mixed conifer, Lodgepole pine, Spruce/fir, Douglas-fir/Ponderosa pine; GC, DC; 6350-11000; 19.
  - Osmorhiza occidentalis* (Nutt. ex T. & G.) Torr.; WEM, ELM; Aspen, Montane meadow, Oak, Spruce/fir, Subalpine meadow; GC, DC; 7400-11500; 24.
  - Oxypolis fendleri* (Gray) Heller; WEM, FRA, ELM, SWA; Lodgepole pine, Aspen, Riverine, Forest seep, Spruce/fir, Palustrine, Mixed conifer, Spruce krummholz, Oak, Spruce; GC, DC; 8200-11600; 41.
  - Podistera eastwoodiae* (Coult. & Rose) Math. & Const.; WEM, ELM, FRA; Alpine, Spruce/fir; GC; 10400-12700; 4.

## APOCYNACEAE

- Apocynum androsaemifolium* L.; WEM, ELM, FRA; Aspen, Sagebrush, Spruce/fir; GC; 9100-10700; 4.

## ASCLEPIADACEAE

- Asclepias cryptoceras* Wats. var. *cryptoceras*; GUU; Pinyon/juniper; DC; 5820-7500; 3.
- Asclepias speciosa* Torr.; WEM, FRA; Riverine, Subalpine meadow; GC, DC; 7100-11000; 3.

## ASTERACEAE

- Achillea millefolium* L. var. *lanulosa* (Nutt.) Piper; [*Achillea lanulosa*]; WEM, GUU, FRA, ELM, SWA; Aspen, Riverine, Mixed conifer, Subalpine meadow, Spruce/fir, Alpine,

- Sagebrush, Spruce, Oak, Montane meadows, Spruce krummholz, Roadside; GC, DC; 6800-12900; 54.
- *Agoseris aurantiaca* (Hook.) Greene; FRA, WEM, ELM, SWA; Alpine, Spruce krummholz, Subalpine meadow, Spruce, Spruce/fir, Montane meadow, Sagebrush meadow, Riverine; GC; 8650-12500; 24.
  - *Agoseris glauca* var. *dasycephala* (T. & G.) Jeps.; ELM, WEM, FRA, SWA; Alpine, Spruce krummholz, Subalpine meadow, Montane meadow, Spruce/fir, Aspen, Mixed conifer, Spruce; GC, DC; 8500-12500; 14.
  - *Agoseris glauca* (Pursh) Raf. var. *glauca*; ELM; Sagebrush, Alpine, Spruce/fir; GC; 9700-12700; 3.
  - *Agoseris glauca* var. *laciniata* (D. C. Eat.) Smiley; GUU, FRA, WEM; Alpine, Spruce krummholz, Spruce/fir, Aspen, Oak, Mixed conifer, Sage, Pinyon/juniper, Sagebrush and saltbush, Riverine, Juniper; GC, DC, MC; 5820-12500; 55.
  - *Anaphalis margaritacea* (L.) Benth. & Hook.; WEM, ELM; Aspen, Spruce/fir, Subalpine meadow, Riverine; GC; 6900-11500; 9.
  - *Antennaria anaphaloides* Rydb.; [*Antennaria pulcherrima* ssp. *anaphaloides*]; FRA, ELM, WEM, SWA; Subalpine meadow, Sagebrush, Aspen, Spruce/fir, Spruce krummholz, Alpine, Mixed conifer; GC; 8500-12500; 17.
  - *Antennaria corymbosa* E. Nels.; ELM, WEM, FRA, SWA; Palustrine, Riverine, Spruce/fir Krummholz; GC; 9100-11600; 8.
  - *Antennaria dimorpha* (Nutt.) T. & G.; FRA, GUU; Pinyon/juniper, Sagebrush; GC, DC, MC; 5820-9200; 7.
  - *Antennaria marginata* Greene; WEM; Mixed conifer, Riparian; GC; 7200-8850; 2.
  - *Antennaria media* Greene; FRA, WEM, ELM, SWA; Alpine, Mixed conifer, Spruce/fir, Spruce krummholz; GC; 11000-12700; 9.
  - *Antennaria microphylla* Rydb.; ELM, WEM, FRA; Sagebrush, Montane meadow, Riverine, Spruce krummholz, Alpine; GC; 8100-12200; 8.
  - *Antennaria parvifolia* Nutt.; ELM, WEM, GUU, FRA; Sagebrush, Spruce/fir, Aspen, Montane meadow, Pinyon/juniper, Oak, Riverine, Mixed conifer, Subalpine meadow, CO blue spruce, Douglas-fir/Ponderosa pine; GC, DC, MC; 6350-10800; 41.
  - *Antennaria rosea* Greene; WEM, FRA, ELM, SWA; Montane meadow, Subalpine meadow, Spruce/fir, Spruce, Alpine, Spruce krummholz, Mixed conifer, Oak, Sagebrush, Riverine, Aspen, Willow krummholz, Lodgepole pine; DC, GC; 6100-12500; 99.
  - *Antennaria umbrinella* Rydb.; WEM, ELM, FRA, SWA; Montane meadow, Alpine, Spruce krummholz, Spruce/fir, Willow krummholz; GC; 9300-12500; 19.
  - *Arnica chamissonis* Less. var. *foliosa* (Nutt.) Maguire; FRA; Submontane meadow, Moist drainage; GC; 7500-8100; 3.
  - *Arnica cordifolia* Hook.; GUU, WEM, FRA, ELM, SWA; Spruce/fir, Sagebrush, Aspen, Mixed conifer, Douglas-fir/Ponderosa pine, Montane meadow, Lodgepole pine, Subalpine meadow, Alpine, Spruce krummholz; GC, DC; 6350-13631; 56.
  - *Arnica latifolia* Bong.; FRA, ELM; Spruce/fir, Subalpine meadow, Forest seep, Riverine; GC; 9600-11300; 4.
  - *Arnica mollis* Hook.; ELM, WEM, FRA; Subalpine meadow, Alpine, Spruce krummholz, Aspen; GC; 9800-12800; 16.
  - *Arnica parryi* Gray var. *parryi*; WEM, ELM; Montane meadow, Subalpine meadow; GC; 9550-10400; 2.

- *Arnica rydbergii* Greene; WEM, FRA, ELM, SWA; Alpine, Spruce/fir, Spruce krummholz; GC; 11400-12600; 11.
- *Artemisia absinthium* L.; WEM; Sagebrush; GC; 9000; 1.
- *Artemisia biennis* Willd. var. *biennis*; FRA; Moist drainage; GC; 8100; 1.
- *Artemisia campestris* L. var. *pacifica* (Nutt.) Peck; [*Oligosporus pacifica*]; SWA, FRA; Lodgepole pine, Mixed conifer, Montane meadow; GC; 9500-10700; 2.
- *Artemisia campestris* var. *purshii* (Hook.) Cronq.; [*Oligosporus groenlandica*]; FRA, ELM, WEM, SWA; Alpine, Spruce krummholz; GC; 11400-12850; 8.
- *Artemisia cana* Pursh var. *viscidula* Osterh.; [*Seriphidium canum*]; GRA; Montane meadow; DC; 8500; 1.
- *Artemisia carruthii* Wood ex Carruth; FRA; Spruce; DC; 11100-11500; 1.
- *Artemisia dracuncululus* L.; [*Oligosporus dracuncululus* ssp. *glaucus*]; FRA, WEM, ELM; CO blue spruce, Mixed conifer, Montane meadow, Roadside, Subalpine meadow, Sagebrush; GC; 6900-11000; 7.
- *Artemisia frigida* Willd.; FRA; Spruce, Riverine, Moist drainage, Sagebrush; GC; 8100-11500; 5.
- *Artemisia ludoviciana* Nutt. var. *incompta* (Nutt.) Cronq.; WEM; Oak, Subalpine meadow; GC; 6900-11300; 2.
- *Artemisia ludoviciana* var. *ludoviciana*; GRA; Montane meadow; DC; 8500; 1.
- *Artemisia scopulorum* Gray; WEM, FRA, ELM, SWA; Alpine, Spruce krummholz, Subalpine meadow; GC; 11500-13631; 20.
- *Artemisia tridentata* Nutt. var. *vaseyana* (Rydb.) Boivin; [*Seriphidium vaseyanum*]; WEM; Sagebrush; GC; 10350-10500; 1.
- *Aster ascendens* Lindl.; [*Virgulaster ascendens*]; GRA, FRA; Spruce, Palustrine constructed, Sagebrush, Riverine, Aspen, Mixed conifer; GC, DC; 7500-11500; 8.
- *Aster engelmannii* (D. C. Eat.) Gray; [*Eucephalus engelmannii*]; WEM, ELM; Riverine, Subalpine meadow, Montane meadow; GC; 9300-10500; 7.
- *Aster falcatus* Lindl. var. *falcatus*; [*Virgulus falcatus*]; WEM; Riverine; GC; 6900; 1.
- *Aster fendleri* Gray; [*Virgulus fendleri*]; WEM; Spruce; GC; 11100-11500; 1.
- *Aster foliaceus* Lindl. ex DC. var. *canbyi* Gray; ELM, GRA; Subalpine meadow, Montane meadow, Aspen; GC, DC; 8500-10200; 3.
- *Aster foliaceus* Lindl. ex DC. var. *parryi* (D. C. Eat.) Gray; WEM; Subalpine meadow; GC; 11200-11500; 2.
- *Aster laevis* L.; WEM; Riverine; GC; 6900; 1.
- *Aster lanceolatus* Willd. ssp. *hesperius* (Gray) Semple & Chmielewski; WEM; Riverine; GC; 6900; 1.
- *Aster occidentalis* (Nutt.) T. & G. var. *occidentalis*; [*Aster spathulatus*]; ELM, FRA, WEM; Riverine, Moist drainage, Subalpine meadow; GC; 6900-10400; 7.
- *Bahia dissecta* (Gray) Britt.; WEM; Sagebrush; GC; 10350-10500; 1.
- *Balsamorhiza sagittata* (Pursh) Nutt.; WEM, GUU, FRA; Sagebrush, Oak, Pinyon/juniper; GC, DC, MC; 5820-9500; 16.
- *Brickellia grandiflora* (Hook.) Nutt. var. *grandiflora*; FRA, WEM, ELM; Riverine, Subalpine meadow, Sagebrush; GC; 8200-11500; 3.
- *Centaurea repens* L.; [*Acroptilon repens*]; GUU; Sagebrush and saltbush; DC; 5750; 1.
- *Chaenactis alpina* (Gray) Jones var. *alpina*; ELM, FRA, WEM; Alpine, Spruce krummholz; GC; 11500-12950; 5.

- *Chaenactis douglasii* (Hook.) H. & A. var. *montana* Jones; GUU, WEM, FRA, ELM, SWA; Riverine, Roadside, Sagebrush, Lodgepole pine, Pinyon/juniper, Spruce, Mixed conifer, Oak; GC, DC; 6400-11000; 26.
- *Chaetopappa ericoides* (Torr.) Nesom; [*Leucelene ericoides*]; GUU; Pinyon/juniper; DC; 6700-7400; 3.
- +1 *Chrysanthemum leucanthemum* L.; [*Leucanthemum vulgare*]; GRA, ELM, WEM; Subalpine meadow, Montane meadow, Spruce/fir, Aspen; GC, DC; 8500-10200; 3.
- *Chrysothamnus nauseosus* (Pall. ex Pursh) Britt. var. *oreophilus* (A. Nels.) Hall; FRA; Sagebrush, Moist drainage; GC; 8100-8200; 2.
- *Chrysothamnus parryi* (Gray) Greene var. *parryi*; GRA, WEM, FRA; Spruce, Sagebrush, Montane meadow; GC, DC; 8500-11500; 5.
- *Chrysothamnus viscidiflorus* (Hook.) Nutt. var. *lanceolatus* (Nutt.) Greene; FRA; Spruce, Moist drainage, Sagebrush; GC; 8100-11500; 3.
- *Chrysothamnus viscidiflorus* (Hook.) Nutt. var. *viscidiflorus*; FRA; Spruce, Sagebrush; GC; 8200-11500; 3.
- +1 *Cirsium arvense* (L.) Scop. var. *horridum* Wimm. & Grab.; WEM, GRA; Palustrine constructed, Riverine, Montane meadow, Subalpine meadow; 6900-8500; 3.
- *Cirsium calcareum* (Jones) Woot. & Standl.; GUU, FRA, WEM, GRA; Spruce, Sagebrush, Palustrine, Sagebrush and saltbush, Riverine, Aspen, Montane meadow, Spruce/fir; GC, DC; 5700-11500; 10.
- *Cirsium eatonii* (Gray) Robins.; ELM, FRA, WEM, SWA; Alpine, Montane meadow, Douglas-fir/Ponderosa pine, Mixed conifer; GC; 7050-12900; 9.
- *Cirsium hookerianum* Nutt.; ELM; Subalpine meadow; GC; 9800-10200; 1.
- *Cirsium ochrocentrum* Gray; WEM; Roadside; GC; 6900; 1.
- *Cirsium parryi* (Gray) Petr. ssp. *parryi*; WEM, GRA, FRA; Subalpine meadow, Montane meadow, Riverine; GC, DC; 8500-11000; 7.
- *Cirsium scopulorum* (Greene) Ckll. ex Daniels; FRA, ELM; Alpine, Subalpine meadow; GC; 9800-12300; 3.
- *Cirsium tioganum* (Congd.) Petr. var. *coloradense* (Rydb.) Dorn; FRA; Riverine, Sagebrush, Moist drainage; GC; 8100-8850; 3.
- *Cirsium undulatum* (Nutt.) Spreng.; WEM, GUU, FRA; Palustrine, Sagebrush, Mixed conifer, Juniper, Oak; GC, DC; 6000-8850; 6.
- +1 *Coryza canadensis* (L.) Cronq. var. *canadensis*; FRA; Moist drainage; GC; 8100; 2.
- *Crepis aribarba* Heller; WEM; Sagebrush; GC; 7450-8850; 3.
- *Crepis intermedia* Gray; [*Psilochenia intermedia*]; GUU; WEM; Sagebrush, Pinyon/juniper; GC, DC; 6500-9200; 2.
- *Crepis modocensis* Greene ssp. *modocensis*; [*Psilochenia modocensis*]; WEM, FRA; Pinyon/juniper, Sagebrush; GC; 7300-9650; 9.
- *Crepis occidentalis* Nutt. var. *costata* Gray; [*Psilochenia occidentalis* var. *costata*]; GUU, WEM; Pinyon/juniper, Juniper, Oak, Sagebrush, Spruce/fir; GC, DC, MC; 6000-11150; 18.
- *Crepis occidentalis* Nutt. var. *occidentalis*; [*Psilochenia occidentalis* ssp. *occidentalis*]; WEM; Sagebrush; GC; 8200-8350; 1.
- *Dugaldia hoopesii* (Gray) Rydb.; WEM, ELM, FRA; Spruce/fir, Aspen, Subalpine meadow, Montane meadow, Spruce, Spruce krummholz; GC, DC; 8000-11700; 20.
- *Ericameria discoidea* (Nutt.) Nesom var. *discoidea*; SWA, FRA; Lodgepole pine, Spruce/fir; GC; 10000-11400; 2.

- *Erigeron caespitosus* Nutt.; ELM; Sagebrush; GC; 9600; 1.
- *Erigeron compositus* Pursh var. *discoideus* Gray; WEM, ELM, FRA, SWA; Sagebrush, Alpine, Mixed conifer, Spruce/fir, Spruce krummholz; GC; 8400-13631; 17.
- *Erigeron consimilis* Cronq.; WEM; Sagebrush; GC; 9200-9700; 1.
- *Erigeron coulteri* Porter; WEM, FRA, ELM, SWA; Aspen, Mixed conifer, Spruce/fir, Spruce krummholz, Willow krummholz, Subalpine meadow; GC; 8950-11700; 19.
- *Erigeron divergens* T. & G. var. *divergens*; GUU, WEM, FRA; Oak, Juniper, Pinyon/juniper, Sagebrush, Riverine; GC, DC; 6100-8950; 12.
- *Erigeron eatonii* Gray var. *eatonii*; GUU, WEM, FRA, ELM; Sagebrush, Mixed conifer, Pinyon/juniper, Juniper, Oak; GC, DC, MC; 6600-9800; 45.
- *Erigeron elatior* (Gray) Greene; WEM, ELM, GRA, FRA, SWA; Aspen, Spruce/fir, Spruce, Subalpine meadow, Alpine, Spruce krummholz, Mixed conifer; GC, DC; 8600-12800; 16.
- *Erigeron engelmannii* A. Nels. var. *engelmannii*; ELM, WEM; Sagebrush, Aspen; GC; 8000-9100; 2.
- *Erigeron eximius* Greene; SWA, WEM; Lodgepole pine, Aspen, Spruce/fir, Subalpine meadow; GC; 9700-11000; 6.
- *Erigeron flagellaris* Gray; GUU, FRA, ELM, GRA, SWA; Riverine, Oak, Spruce/fir, Pinyon/juniper, Mixed conifer, Subalpine meadow, Montane meadow, Lodgepole pine, Aspen, Sagebrush; GC, DC; 6350-10700; 33.
- *Erigeron formosissimus* Greene var. *viscidus* (Rydb.) Cronq.; WEM, FRA; Sagebrush, Spruce/fir, Mixed conifer, Aspen, Riverine, Montane meadow; GC; 9500-10900; 7.
- *Erigeron glabellus* Nutt. var. *pubescens* Hook.; WEM; Submontane meadow; GC; 7500; 2.
- *Erigeron leiomerus* Gray; FRA, WEM, ELM, SWA; Alpine, Spruce/fir, Subalpine meadow, Spruce krummholz; GC, DC; 9350-13100; 20.
- *Erigeron lonchophyllus* Hook.; FRA; Mixed conifer, Moist drainage; GC; 8100-11400; 2.
- *Erigeron melanocephalus* (A. Nels.) A. Nels.; WEM, ELM, SWA; Alpine, Spruce krummholz, Spruce, Subalpine meadow; GC; 11200-12600; 9.
- *Erigeron peregrinus* (Banks ex Pursh) Greene ssp. *callianthemus* (Greene) Cronq.; FRA, WEM, ELM; Montane meadow, Alpine, Spruce/fir, Subalpine meadow, Spruce krummholz, Wet meadow; GC; 9300-12600; 20.
- *Erigeron pinnatisectus* (Gray) A. Nels.; FRA, ELM, WEM, SWA; Alpine, Spruce krummholz, Riverine, Wet meadow; GC; 9500-13300; 28.
- *Erigeron pulcherrimus* Heller; GUU; Pinyon/juniper; DC; 6500-6700; 1.
- *Erigeron pumilus* Nutt. var. *concinus* (H. & A.) Dorn; WEM, GUU, FRA; Mixed conifer, Sagebrush, Juniper, Oak, Pinyon/juniper; GC, DC, MC; 5820-9800; 10.
- *Erigeron pumilus* Nutt. var. *pumilus*; WEM, GUU, FRA, ELM; Sagebrush, Mixed conifer, Pinyon/juniper, Oak, Douglas-fir/Ponderosa pine; GC, DC; 5600-10000; 35.
- *Erigeron simplex* Greene; WEM, FRA, ELM, SWA; Alpine, Spruce/fir krummholz, Willow krummholz, Spruce/fir, Wet meadow; GC; 11200-13631; 19.
- *Erigeron speciosus* (Lindl.) DC.; ELM, WEM; Spruce/fir, Subalpine meadow, Oak, Aspen, Juniper, Montane meadow; GC, DC; 6800-11300; 20.
- *Erigeron subtrinervis* Rydb. ex Porter & Britt. var. *subtrinervis*; FRA, SWA; Aspen, Sagebrush; GC; 8850-9700; 5.
- *Erigeron ursinus* D. C. Eat.; FRA, WEM, ELM, SWA; Alpine, Mixed conifer, Subalpine meadow, Wet meadow, Spruce krummholz; GC; 9700-12200; 8.
- *Erigeron vagus* Pays.; ELM; Alpine, Alpine talus; GC; 11700-13300; 3.

- *Erigeron vetensis* Rydb.; FRA, WEM, ELM; Lodgepole pine, Aspen, Mixed conifer, Sagebrush, Douglas-fir/Ponderosa pine; GC; 8400-11400; 9.
- *Gutierrezia sarothrae* (Pursh) Britt. & Rusby; FRA; Sagebrush; GC; 8200-8500; 1.
- *Haplopappus armerioides* (Nutt.) Gray; [*Stenotus armerioides*]; GUU; Pinyon/juniper; DC, MC; 6500-7600; 5.
- *Haplopappus nuttallii* T. & G. var. *nuttallii*; [*Machaeranthera grindelioides*] GUU; Pinyon/juniper; DC; 6400-6600; 1.
- *Haplopappus pygmaeus* (T. & G.) Gray; [*Tonestus pygmaeus*]; FRA, ELM, SWA; Alpine, Spruce krummholz, Willow krummholz; GC; 11500-13400; 12.
- *Helianthella quinquenervis* (Hook.) Gray; WEM, ELM, FRA, SWA; Aspen, Mixed conifer, Montane meadow, Spruce/fir, Alpine, Subalpine meadow, Spruce krummholz; GC, DC; 8500-12800; 20.
- *Heterotheca pumila* (Greene) Semple; ELM, WEM, FRA, SWA; Spruce/fir, Alpine, Spruce krummholz, Subalpine meadow, Lodgepole pine, Mixed conifer; GC; 9550-12500; 8.
- *Heterotheca villosa* (Pursh) Shinnars var. *hispida* (Hook.) Harms; FRA, WEM, ELM; Spruce/fir, Montane meadow, Mixed conifer, Sagebrush, Lodgepole pine; GC; 7200-11500; 7.
- *Heterotheca villosa* (Pursh) Shinnars var. *villosa*; WEM, SWA, ELM, GUU; Pinyon/juniper, Spruce/fir, Montane meadow, Lodgepole pine, Sagebrush, Mixed conifer; GC; 6600-11000; 9.
- *Hieracium fendleri* Schultz-Bip. var. *fendleri*; [*Chlorocrepis fendleri*]; WEM, ELM; Mixed conifer, Aspen, Subalpine meadow; GC; 9550-10200; 3.
- *Hieracium gracile* Hook. var. *gracile*; [*Chlorocrepis tristis* ssp. *gracilis*]; ELM, WEM, FRA, SWA; Mixed conifer, Spruce, Spruce krummholz, Spruce/fir, Subalpine meadow, Alpine; GC; 9800-12600; 15.
- *Hymenoxys acaulis* (Pursh) Parker var. *acaulis*; [*Tetraneris acaulis*]; FRA, WEM; Sagebrush; GC; 7850-9800; 11.
- *Hymenoxys acaulis* (Pursh) Parker var. *caespitosa* (A. Nels.) Parker; [*Tetraneris acaulis*]; FRA; Sagebrush; GC; 8200; 1.
- *Hymenoxys grandiflora* (T. & G. ex Gray) Parker; [*Rydbergia grandiflora*]; ELM, FRA, WEM, SWA; Alpine, Spruce krummholz; GC; 11400-13400; 26.
- *Hymenoxys ivesiana* (Greene) Parker; [*Tetraneris ivesiana*]; GUU, WEM; Pinyon/juniper, Juniper, Sagebrush, Mixed conifer; GC, DC, MC; 6600-8975; 9.
- *Hymenoxys richardsonii* (Hook.) Ckll. var. *floribunda* (Gray) Parker; [*Picradenia richardsonii*]; FRA; Sagebrush; GC; 8200; 1.
- *Lactuca oblongifolia* Nutt.; GRA; Montane meadow; DC; 8500; 1.
- *Machaeranthera bigelovii* (Gray) Greene var. *bigelovii*; WEM; Montane meadow; 9300-9800; GC; 1.
- *Machaeranthera coloradoensis* (Gray) Osterh. var. *brandegei* (Rydb.) T.J. Wats. ex R.L. Hartm.; SWA; Spruce; GC; 10350-10800; 1.
- *Madia glomerata* Hook.; WEM, GRA; Montane meadow, Roadside; GC, DC; 6900-9200; 3.
- *Matricaria matricarioides* (Less.) Porter; [*Lepidotheca suaveolens*]; FRA, GRA; Aspen, Montane meadow; GC, DC; 8500-9600; 2.
- *Matricaria perforata* Merat; WEM, ELM; Mixed conifer, Submontane meadow; GC; 7500-8600; 2.
- *Microseris nutans* (Hook.) Schultz-Bip.; WEM, GUU, FRA; Oak, Sagebrush, Pinyon/juniper,

- Juniper; GC, DC, MC; 5820-9300; 16.
- Petradoria pumila* (Nutt.) Greene var. *pumila*; WEM, GUU; Pinyon/juniper, Sagebrush; DC; 6500-7500; 2.
  - Pyrrocoma clementis* Rydb.; FRA; Alpine, Spruce krummholz; GC; 11400-11800; 1.
  - Pyrrocoma crocea* (Gray) Greene var. *crocea*; ELM; Aspen, Subalpine meadow; GC; 9600-10000; 1.
  - Rudbeckia hirta* L. var. *pulcherrima* Farwell; WEM; Submontane meadow; GC; 7500; 1.
  - Rudbeckia laciniata* L. var. *ampla* (A. Nels.) Cronq.; [*Rudbeckia ampla*]; WEM, FRA, GUU; Riverine; DC, GC; 6900-9500; 4.
  - Rudbeckia occidentalis* Nutt. var. *montana* (Gray) Perdue; GRA, WEM, GUU; Riverine, Montane meadow, Aspen; DC, GC; 6350-9500; 4.
  - Scorzonera laciniata* L.; [*Podospermum laciniata*]; GUU; Pinyon/juniper; DC; 6000-7300; 3.
  - Senecio amplexans* Gray var. *amplexans*; [*Ligularia amplexans*]; WEM, FRA, ELM, SWA; Spruce/fir, Subalpine meadow, Alpine; GC; 9800-12300; 7.
  - Senecio amplexans* Gray var. *holmii* (Greene) Harrington; [*Ligularia holmii*]; WEM, FRA, ELM; Spruce krummholz, Alpine, Alpine talus, Spruce/fir; GC; 10500-12900; 21.
  - Senecio atratus* Greene; ELM, FRA, WEM, SWA; Subalpine talus, Riverine, Alpine, Lodgepole pine, Spruce/fir, Spruce krummholz; GC; 9800-12500; 9.
  - Senecio bigelovii* Gray var. *hallii* Gray; [*Ligularia bigelovii*]; ELM, WEM, FRA, SWA; Aspen, Spruce, Willow krummholz, Montane meadow, Spruce/fir, Subalpine meadow, Spruce krummholz, Wet meadow, Alpine; GC, DC; 7500-11800; 12.
  - Senecio canus* Hook.; [*Packera cana*]; WEM, ELM; Alpine, Mixed conifer, Sagebrush; GC; 8500-12450; 9.
  - Senecio crassulus* Gray; WEM, FRA, ELM, SWA; Subalpine meadow, Alpine, Spruce krummholz, Spruce, Spruce/fir, Riverine, Lodgepole pine, Wet meadow; GC, DC; 9100-13030; 39.
  - Senecio crocatus* Rydb.; [*Packera crocata*]; FRA; Wet meadow, Riverine; GC; 8850-11650; 2.
  - Senecio dimorphophyllus* Greene var. *dimorphophyllus*; [*Packera dimorphophylla* ssp. *dimorphophylla*]; GRA, ELM, WEM, SWA; Palustrine, Wet meadow, Alpine, Riverine, Spruce krummholz, Willow krummholz; DC, GC; 9100-12600; 14.
  - Senecio eremophilus* Richards. var. *kingii* (Rydb.) Greenm.; WEM, ELM, FRA, SWA; Spruce/fir, Riverine, Mixed conifer, Aspen, Roadside, Subalpine meadow, Montane meadow; GC, DC; 6900-11400; 8.
  - Senecio fendleri* Gray; [*Packera fendleri*]; WEM, ELM; Subalpine talus, Oak, Sagebrush, Lodgepole pine, Douglas-fir/Ponderosa pine, Mixed conifer; DC, GC; 6300-11000; 7.
  - Senecio fremontii* T. & G. var. *blitoides* (Greene) Cronq.; FRA, WEM, ELM, SWA; Alpine, Alpine talus, Spruce/fir, Spruce krummholz, Subalpine meadow; GC; 7300-12709; 10.
  - Senecio integerrimus* Nutt. var. *exaltatus* (Nutt.) Cronq.; WEM, FRA, ELM, GUU, SWA; Juniper, Pinyon/juniper, Sagebrush, Oak, Riverine, Lodgepole pine, Aspen, Spruce/fir, Wet meadow, Montane meadow, Mixed conifer, Spruce; MC, GC, DC; 6400-11500; 65.
  - Senecio integerrimus* Nutt. var. *integerrimus*; FRA; Mixed conifer; GC; 10650-11400; 1.
  - Senecio multilobatus* T. & G. ex Gray; [*Packera multilobata*]; FRA, GUU, WEM; Sagebrush, Aspen, Pinyon/Juniper; GC, DC, MC; 6100-9100; 16.
  - Senecio neomexicanus* Gray var. *mutabilis* (Greene) T. M. Barkl.; [*Packera neomexicana*]; FRA, WEM, ELM; Aspen, Sagebrush, Lodgepole pine, Mixed conifer, Subalpine talus, Spruce/fir, Pinyon/juniper, Montane meadow, Oak; GC, DC; 6400-10600; 32.

- *Senecio porteri* Greene; [*Ligularia porteri*]; ELM; Alpine, Alpine talus; GC; 11700-13300; 2.
- *Senecio pseud aureus* Rydb. var. *flavulus* (Greene) Greenm.; [*Packera pseud aureus* var. *flavulus*]; ELM, WEM, FRA; Riverine; GC; 6350-9500; 5.
- *Senecio pseud aureus* Rydb. var. *pseud aureus*; [*Packera pseud aureus* var. *pseud aureus*]; ELM; Riverine; GC; 9800-10200; 1.
- *Senecio pudicus* Greene; [*Ligularia pudicus*]; WEM, FRA; Alpine, Spruce krummholz, Spruce/fir, Montane meadow; GC; 9300-12400; 5.
- *Senecio serra* Hook. var. *serra*; GRA, WEM, FRA; Spruce/fir, Aspen; DC, GC; 8600-11000; 5.
- *Senecio serra* Hook. var. *admirabilis* (Greene) A. Nels.; WEM, ELM; Aspen, Mixed conifer; GC; 9550-10400; 3.
- *Senecio soldanella* Gray; [*Ligularia soldanella*]; ELM, FRA; Alpine, Alpine talus; GC; 11800-13300; 6.
- *Senecio streptanthifolius* Greene var. *oodes* (Rydb.) Bain; [*Packera oodes*]; FRA, WEM; Mixed conifer, Aspen; GC; 9450-10000; 2.
- *Senecio streptanthifolius* Greene var. *streptanthifolius*; [*Packera streptanthifolius*]; FRA, SWA; Mixed conifer; GC; 10100-10350; 1.
- *Senecio triangularis* Hook.; ELM, FRA, WEM, SWA; Subalpine meadow, Mixed conifer, Riverine, Alpine, Spruce krummholz, Willow krummholz, Sagebrush, Aspen, Palustrine; GC; 8200-12000; 23.
- *Senecio tridenticulatus* Rydb.; [*Packera tridenticulata*]; GRA, WEM, FRA, SWA; Sagebrush, Douglas-fir/Ponderosa pine, Montane meadow; DC, GC; 7450-9700; 14.
- *Senecio wernerifolius* (Gray) Gray var. *wernerifolius*; [*Packera wernerifolia*]; FRA, SWA, WEM, ELM; Alpine, Subalpine meadow, Spruce/fir, Mixed conifer, Lodgepole pine, Spruce krummholz, Sagebrush, Alpine talus; DC, GC; 7300-13400; 61.
- *Senecio wootonii* Greene; WEM, ELM, FRA, SWA; Spruce/fir, Mixed conifer; GC; 8850-11200; 10.
- *Solidago canadensis* L. var. *gilvocanescens* Rydb.; WEM, FRA, GRA; Riverine, Aspen, Submontane meadow; DC, GC; 7350-8600; 4.
- *Solidago missouriensis* Nutt. var. *missouriensis*; FRA; Riverine; GC; 8850; 1.
- *Solidago multiradiata* Ait. var. *scopulorum* Gray; ELM, WEM; Mixed conifer, Subalpine meadow, Alpine, Spruce krummholz, Willow krummholz; GC; 9550-11900; 7.
- *Solidago nana* Nutt.; WEM, FRA, ELM; Spruce/fir, Spruce krummholz, Willow krummholz, Alpine, Subalpine meadow; GC; 10500-12900; 9.
- *Solidago parryi* (Gray) Greene; [*Oreochrysum parryi*]; FRA, ELM, WEM, SWA; Spruce/fir, Subalpine meadow, Mixed conifer, Aspen, Spruce krummholz, Willow krummholz; GC; 9700-11600; 14.
- *Solidago simplex* Kunth; GRA, ELM, WEM, FRA, SWA; Alpine, Spruce krummholz, Lodgepole pine, Mixed conifer, Aspen, Sagebrush; DC, GC; 8600-12800; 13.
- *Solidago velutina* DC.; FRA, WEM; Spruce, Oak; GC; 6900-11500; 2.
- *Sonchus arvensis* L.; GUU; Juniper; DC; 6000-6500; 1.
- *Taraxacum ceratophorum* (Ledeb.) DC.; [*Taraxacum ovinum*]; WEM, FRA; Alpine; GC; 11600-12400; 3.
- *Taraxacum laevigatum* (Willd.) DC.; GUU, FRA, WEM, ELM, GRA, SWA; Spruce, Spruce/fir, Alpine, Subalpine meadow, Montane meadow, Mixed conifer, Pinyon/juniper, Oak, Sage, Aspen; GC, DC, MC; 5820-12444; 20.
- *Taraxacum officinale* Weber; GUU, FRA, WEM, ELM, GRA, SWA; Alpine, Spruce

- krummholz, Montane meadow, Mixed conifer, Aspen, Submontane meadow, Riparian, Spruce, Subalpine meadow, Sagebrush, Spruce/fir, Lodgepole pine, Wet meadow, Oak, Sagebrush and saltbush, Pinyon/juniper; GC, DC, MC; 6100-12900; 62.
- Taraxacum scopulorum* (Gray) Rydb.; FRA, SWA; Alpine; GC; 12600-13000; 2.
  - Tetradymia canescens* DC.; FRA; Sagebrush, Spruce; GC; 8200-11500; 4.
  - Tetradymia spinosa* H. & A.; GUU; Juniper, Sagebrush and saltbush; DC; 5600-6880; 6.
  - Townsendia incana* Nutt.; GUU; Pinyon/juniper; DC, MC; 6200-8160; 5.
  - Townsendia rothrockii* Gray ex Rothrock; WEM, FRA, ELM; Alpine, Spruce/fir, Spruce krummholz; GC; 11300-12700; 5.
  - !*Tragopogon dubius* Scop.; WEM, FRA, GUU; Spruce/fir, Subalpine meadow, Riverine, Submontane meadow, Oak, Sagebrush, Mixed conifer, Juniper; DC, GC; 6000-10600; 13.
  - !*Tragopogon pratensis* L.; ELM, FRA, GUU; Riverine, Juniper, Aspen; GC, DC; 6800-9250; 3.
  - Viguiera multiflora* (Nutt.) Blake var. *multiflora*; [*Heliomeris multiflora*]; GRA, WEM, FRA, GUU, ELM; Subalpine meadow, Spruce/fir, Oak, Montane meadow, Sagebrush, Pinyon/juniper; GC, DC; 6000-11500; 10.
  - Wyethia amplexicaulis* (Nutt.) Nutt.; WEM, GUU; Aspen, Sagebrush, Oak; GC, DC; 6000-8500; 5.
  - Wyethia arizonica* Gray; FRA, WEM; Sagebrush, Mixed conifer, Aspen, Oak; GC, DC; 7050-9500; 10.
  - #*Wyethia x magna* A. Nels.; ELM, GUU, WEM; Sagebrush, Pinyon/juniper, Montane meadow; GC, DC; 6700-8700; 6.
  - Xylorhiza venusta* (Jones) Heller; GUU; Sage, Juniper, Sagebrush and saltbush; DC, MC; 5600-7600; 6.

## BERBERIDACEAE

- Mahonia fremontii* (Torr.) Fedde; GUU; Pinyon/juniper, Sagebrush and saltbush; DC; 6000-8160; 7.
- Mahonia repens* (Lindl.) G. Don; FRA, WEM, ELM, GUU, GRA, SWA; Spruce/fir, Oak, Aspen, Lodgepole pine, Mixed conifer, Subalpine talus, Douglas-fir/Ponderosa pine, Montane meadow, Sagebrush, Riverine, Spruce; GC, MC, DC; 6900-11200; 61.

## BETULACEAE

- Alnus incana* (L.) Moench var. *occidentalis* (Dippel) C. L. Hitchc.; WEM, FRA, GRA; Riverine, Mixed conifer, Wet meadow; DC, GC; 6350-10400; 30.
- Betula glandulosa* Michx.; ELM, WEM, FRA, SWA; Acid fen, Subalpine meadow, Riverine, Wet meadow; GC; 8700-11000; 10.

## BORAGINACEAE

- Cryptantha ambigua* (Gray) Greene; WEM, FRA; Douglas-fir/Ponderosa pine, Montane meadow, Moist drainage, Palustrine; GC; 7550-9250; 4.
- Cryptantha bakeri* (Greene) Pays.; [*Oreocarya bakeri*]; GUU, FRA, WEM; Sagebrush,

- Pinyon/juniper, Douglas-fir/Ponderosa pine; GC, DC; 6250-9300; 24.
- Cryptantha cinerea* (Greene) Cronq. var. *jamesii* Cronq.; [*Oreocarya pustulosa*]; FRA; Moist drainage; GC; 8100; 1.
  - Cryptantha fendleri* (Gray) Greene; FRA, GUU; Pinyon/juniper, Sagebrush; 6200-7850; DC, GC; 2.
  - Cryptantha flava* (A. Nels.) Pays.; [*Oreocarya flava*]; WEM; Sagebrush; GC; 7850-8000; 1.
  - Cryptantha flavocolata* (A. Nels.) Pays.; [*Oreocarya flavocolata*]; WEM, GUU; Juniper Pinyon/juniper, Sagebrush; GC, MC, DC; 5600-8350; 16.
  - Cryptantha watsonii* (Gray) Greene; WEM; Pinyon/juniper, Oak, Sagebrush; MC, GC; 7700-8975; 3.
  - +*Cynoglossum officinale* L.; WEM, GUU; Roadside, Pinyon/juniper, Oak; GC, DC; 6400-6900; 3.
  - Eritrichum nanum* (Vill.) Schrad. ex Gaudin var. *elongatum* (Rydb.) Cronq.; [*Eritrichum aretioides*]; WEM, ELM, FRA, SWA; Alpine; GC; 11500-13631; 12.
  - Hackelia floribunda* (Lehm.) I. M. Johnston.; WEM, ELM, FRA, GRA; Aspen, Spruce/fir, Riverine, Moist drainage, Sagebrush, Montane meadow, Subalpine meadow; DC, GC; 7200-10300; 14.
  - Lappula redowskii* (Hornem.) Greene; WEM, FRA, GUU; Riverine, Sagebrush, Pinyon/juniper, Sagebrush and saltbush, Submontane meadow; GC, DC, MC; 5450-9300; 28.
  - Lithospermum incisum* Lehm.; WEM, FRA, GUU; Riverine, Sagebrush, Pinyon/juniper, Sagebrush and saltbush; GC, DC; 6200-9650; 11.
  - Lithospermum multiflorum* Torr. ex Gray; FRA; Mixed conifer; GC; 8600-9300; 1.
  - Lithospermum ruderale* Dougl. ex Lehm.; GUU, WEM; Pinyon/juniper, Sagebrush, Oak, Submontane meadow; MC, DC, GC; 6400-8975; 5.
  - Mertensia alpina* (Torr.) G. Don; SWA; Alpine; GC; 12100-12500; 1.
  - Mertensia brevistyla* Wats.; GRA, WEM; Pinyon/juniper, Oak, Riverine, Montane meadow, Subalpine meadow, Spruce/fir; DC, GC; 5820-9300; 14.
  - Mertensia ciliata* (James ex Torr.) G. Don var. *ciliata*; FRA, WEM, ELM, SWA; Subalpine meadow, Alpine, Mixed conifer, Riverine, Spruce krummholz, Willow krummholz, Forest seep; GC; 7350-12200; 35.
  - Mertensia franciscana* Heller; WEM, GRA; Alpine, Oak, Aspen, Spruce/fir, Mixed conifer; GC, DC; 6350-12400; 22.
  - Mertensia fusiformis* Greene; WEM, ELM, FRA, GUU; Sagebrush, Pinyon/juniper, Oak, Aspen, Mixed conifer, Spruce/fir, Subalpine meadow, Alpine; MC, DC, GC; 6300-12600; 37.
  - Mertensia lanceolata* (Pursh) DC.; [*Mertensia lanceolata* var. *lanceolata*]; FRA, ELM, SWA; Douglas-fir/Ponderosa pine, Aspen, Lodgepole pine, Alpine, Wet meadow, Spruce/fir, Sagebrush, Spruce krummholz, Willow krummholz; GC; 7700-12450; 19.
  - Mertensia viridis* (A. Nels.) A. Nels.; [*Mertensia lanceolata* var. *viridis*]; FRA, ELM, WEM, SWA; Sagebrush, Lodgepole pine, Mixed conifer, Spruce krummholz, Alpine; GC; 9100-13300; 22.

## BRASSICACEAE

- !*Alyssum desertorum* Stapf; WEM, FRA; Pinyon/juniper, Sagebrush, Riverine; GC, MC; 7450-

- 8975; 3.
- !*Alyssum parviflorum* M.-Bieb. var. *micranthum* (C. A. Mey.) Dorn; GUU; Pinyon/juniper, Oak, Sagebrush and saltbush; DC, MC; 5600-8975; 23.
  - Arabis confinis* Wats. var. *confinis*; [*Boechea divaricarpa*]; WEM, FRA, ELM, SWA; Sagebrush, Riverine, Lodgepole pine, Mixed conifer, Aspen, Alpine, Spruce krummholz; GC; 7050-12500; 21.
  - Arabis crandallii* Robins.; [*Boechea crandallii*]; GUU, WEM, FRA; Mixed conifer, Pinyon/juniper, Sagebrush, Oak; GC, DC, MC; 6400-10000; 45.
  - Arabis demissa* Greene var. *demissa*; [*Boechea oxylebula*]; WEM, FRA; Sagebrush, Aspen; GC; 7700-9650; 7.
  - Arabis demissa* Greene var. *languida* Roll.; WEM; Alpine, Spruce krummholz, Sagebrush; GC; 7900-12200; 3.
  - Arabis drummondii* Gray; [*Boechea drummondii*]; WEM, GUU, FRA, ELM, GRA, SWA; Sagebrush, Alpine, Subalpine meadow, Mixed conifer, Spruce krummholz, Spruce, Lodgepole pine, Riverine, Montane meadow, Wet meadow, Aspen, Spruce/fir, Oak; GC, DC; 6400-12600; 103.
  - Arabis fendleri* (Wats.) Greene var. *fendleri*; [*Boechea fendleri* ssp. *fendleri*]; ELM, FRA, WEM; Sagebrush, Mixed conifer, Lodgepole pine; GC; 7700-11000; 10.
  - Arabis fendleri* (Wats.) Greene var. *spatifolia* (Rydb.) Roll.; [*Boechea fendleri* ssp. *spatifolia*]; WEM; Pinyon/juniper, Sagebrush; GC; 7700-8000; 2.
  - Arabis glabra* (L.) Bernh. var. *glabra*; [*Turritis glabra*]; GUU, WEM; Juniper, Oak, Montane meadow, Aspen, Mixed conifer; DC, GC; 7200-8500; 9.
  - #*Arabis gunnisoniana* Roll.; [*Boechea gunnisoniana*]; FRA; Mixed conifer; GC; 8800-9000; 1.
  - !*Arabis hirsuta* (L.) Scop. var. *glabrata* T. & G.; FRA; Lodgepole pine, Mixed conifer; GC; 9200-10650; 2.
  - !*Arabis hirsuta* (L.) Scop. var. *pyncocarpa* (M. Hopk.) Roll.; WEM, FRA; Mixed conifer, Douglas-fir/Ponderosa pine; GC; 6400-10650; 5.
  - Arabis holboellii* Hornem. var. *secunda* (Howell) Jeps.; [*Boechea retrofracta*]; GUU, FRA, WEM, ELM, SWA; Oak, Mixed conifer, Sagebrush, Aspen, Pinyon/juniper, Lodgepole pine; GC, DC, MC; 5820-10800; 69.
  - Arabis lemmonii* Wats. var. *lemmonii*; [*Boechea lemmonii*]; SWA; Alpine; GC; 12800-13300; 1.
  - Arabis lignifera* A. Nels.; [*Boechea lignifera*]; WEM, FRA, GUU, ELM; Sagebrush, Pinyon/juniper, Oak, Douglas-fir/Ponderosa pine, Mixed conifer, Lodgepole pine; GC, MC, DC; 6600-10000; 36.
  - #*Arabis oxylebula* Greene; [*Boechea oxylebula*]; GUU; Submontane meadow; DC; 6900-7300; 1.
  - Arabis selbyi* Rydb.; [*Boechea selbyi*]; GUU, WEM, FRA, ELM; Mixed conifer, Sagebrush, Oak, Pinyon/juniper, Spruce/fir, Douglas-fir/Ponderosa pine, Montane meadow, Juniper; GC, DC; 6000-10800; 26.
  - Barbarea orthoceras* Ledeb.; GRA, FRA, WEM; Aspen, Sagebrush, Riverine; GC, DC; 8850-9800; 3.
  - !*Barbarea vulgaris* R. Br.; GUU, WEM, ELM; Lodgepole pine, Aspen, Roadside, Montane meadow, Spruce/fir; GC, DC; 6900-9800; 10.
  - !*Camelina microcarpa* Andr. ex DC.; GUU; Pinyon/juniper, Oak, Roadside; DC, MC; 6000-8300; 10.

- !*Capsella bursa-pastoris* (L.) Medic.; WEM, GUU, GRA, ELM, FRA; Montane meadow, Oak, Riverine, Sagebrush, Aspen, Mixed conifer, Roadside, Pinyon/juniper; GC, DC, MC; 5820-10000; 29.
- Cardamine cordifolia* Gray var. *cordifolia*; ELM, FRA, WEM, SWA; Riverine, Forest seep; GC; 8250-11600; 19.
- Cardamine cordifolia* Gray var. *incana* Gray ex Jones; WEM, FRA, ELM; Riverine, Subalpine meadow, Spruce krummholz, Willow krummholz, Alpine, Wet meadow, Mixed conifer, Oak; GC, DC; 7500-12600; 25.
- Cardaria chalepensis*(L.) Hand.-Mazz.; GUU; Sagebrush and saltbush, Juniper, Riverine; DC, MC; 5600-8200; 5.
- +!*Chorispora tenella* (Pall.) DC.; GRA, FRA, GUU; Pinyon/juniper, Sagebrush, Juniper, Riverine, Montane meadow; GC, DC, MC; 5820-8950; 15.
- !*Conringia orientalis* (L.) Dumort.; GUU; Pinyon/juniper; DC; 6000-7300; 1.
- Descurainia californica* (Gray) O. E. Schulz; GUU, FRA, ELM; Aspen, Spruce/fir, Douglas-fir/Ponderosa pine, Montane meadow, Subalpine meadow; GC; 8700-10300; 8.
- Descurainia incana* (Bernh. ex Fisch. & Mey.) Dorn var. *incana*; WEM, GUU, FRA, GRA; Spruce/fir, Subalpine meadow, Alpine, Riverine, Aspen, Sagebrush, Submontane meadow, Montane meadow, Mixed conifer, Oak, Pinyon/juniper, Roadside, Wet meadow, Spruce; GC, DC, MC; 6400-12300; 30.
- Descurainia incana* var. *macrosperma* (O. E. Schulz) Dorn; WEM, FRA; Riverine, Spruce/fir, Alpine, Subalpine meadow; GC; 8850-12300; 5.
- Descurainia incana* var. *viscosa* (Rydb.) Dorn; FRA, GUU; Pinyon/juniper, Sagebrush, Mixed conifer, Riverine; GC, DC; 6000-9200; 3.
- Descurainia pinnata* (Walt.) Britt. var. *brachycarpa* (Richards.) Fern.; FRA, GUU; Pinyon/juniper, Sage and saltbush; GC, MC, DC; 5450-8900; 5.
- Descurainia pinnata* (Walt.) Britt. var. *filipes* (Gray) Peck; GUU; Pinyon/juniper, Sagebrush; DC, MC; 6200-7350; 3.
- Descurainia pinnata* (Walt.) Britt. var. *intermedia* (Rydb.) C. L. Hitchc.; GUU; Sagebrush and saltbush; Pinyon/juniper, Juniper, Oak; DC, MC; 5600-8500; 7.
- +!*Descurainia sophia* (L.) Webb ex Prantl; GUU; Pinyon/juniper; DC; 6200; 1.
- Draba albertina* Greene; WEM, FRA, ELM; Aspen, Sagebrush, Riverine, Forest seep, Spruce/fir, Subalpine meadow, Mixed conifer, Wet meadow; GC, DC; 8650-10900; 22.
- Draba aurea* Vahl ex Hornem.; ELM, WEM, FRA, SWA; Alpine, Spruce krummholz, Sagebrush, Mixed conifer, Lodgepole pine; GC; 9350-13035; 30.
- Draba cana* Rydb.; ELM; Alpine; GC; 11600-12710; 2.
- Draba crassa* Rydb.; WEM, FRA, ELM, SWA; Alpine, Alpine talus, Spruce krummholz; GC; 11700-13631; 7.
- Draba crassifolia* Grah.; ELM, WEM, FRA, SWA; Wet meadow, Alpine, Spruce krummholz, Subalpine meadow; GC; 10700-12950; 12.
- Draba cuneifolia* Nutt. ex T. & G. var. *cuneifolia*; GUU; Pinyon/juniper; DC; 6200; 1.
- #*Draba grayana* (Rydb.) C. L. Hitchc.; WEM; Alpine; GC; 11800-12450; 1.
- Draba lonchocarpa* Rydb. var. *lonchocarpa*; ELM, FRA; Alpine; GC; 11600-12950; 3.
- Draba oligosperma* Hook. var. *oligosperma*; ELM; Alpine, Spruce krummholz; GC; 11500-12378; 2.
- Draba rectifruca* C. L. Hitchc.; ELM, FRA; Sagebrush, Riverine; GC; 7900-9700; 3.
- Draba spectabilis* Greene var. *spectabilis*; WEM, ELM GRA; Spruce/fir, Subalpine meadow,

- Riverine, Alpine, Sagebrush, Aspen, Spruce krummholz, Montane meadow; GC, DC; 8500-12100; 18.
- Draba streptocarpa* Gray; WEM; Alpine; GC, DC; 12500-12850; 1.
  - Erysimum capitatum* (Dougl. ex Hook.) Greene var. *capitatum*; FRA, ELM, WEM, GUU, SWA; Alpine, Spruce/fir, Aspen, Mixed conifer, Sagebrush, Oak, Lodgepole pine, Spruce krummholz, Pinyon/juniper, Riverine, Subalpine meadow; GC, DC, MC; 6200-13631; 60.
  - !*Erysimum repandum* L.; GUU; Pinyon/juniper, Sagebrush and saltbush; DC, MC; 5600-7600; 11.
  - +!*Hesperis matronalis* L.; ELM; Subalpine meadow; GC; 10000; 1.
  - !*Lepidium campestre* (L.) R. Br.; [*Neolepia campestris*]; GRA, GUU, WEM; Oak, Montane meadow, Riverine, Aspen, Pinyon/juniper; GC, DC; 6000-8700; 10.
  - !*Lepidium densiflorum* Schrad. var. *densiflorum*; FRA, WEM; Oak, Pinyon/juniper, Mixed conifer, Sagebrush; GC, DC; 7500-9800; 3.
  - Lepidium montanum* Nutt. var. *jonesii* (Rydb.) C. L. Hitchc.; GUU; Sagebrush and saltbush, Oak; DC; 5600-7200; 6.
  - Lepidium montanum* Nutt. var. *montanum*; GUU; Juniper, Aspen; DC; 6000-6500; 1.
  - Lepidium montanum* Nutt. var. *spathulatum* (B. L. Rob.) C. L. Hitchc.; GUU; Juniper; MC; 7300-7600; 2.
  - !*Lepidium perfoliatum* L.; GUU; Sagebrush and saltbush, Pinyon/juniper, Roadside, Sagebrush, Juniper; GC, DC, MC; 5450-8500; 12.
  - Lepidium ramosissimum* A. Nels. var. *bourgeauanum* (Thell.) Roll.; FRA, WEM; Sagebrush, Oak, Submontane meadow, Moist drainage, Roadside; GC; 7500-10000; 7.
  - Lepidium ramosissimum* A. Nels. var. *divergens* (Osterh.) Roll.; FRA; Riverine, Moist drainage, Montane meadow; GC; 8100-10000; 3.
  - !*Lepidium virginicum* L. var. *pubescens* (Greene) C. L. Hitchc.; WEM, FRA; Sagebrush, Riverine; GC; 7800-8200; 2.
  - Lesquerella rectipes* Woot. & Standl.; WEM; Pinyon/juniper, Sagebrush; GC, DC; 6200-8950; 4.
  - #*Physaria alpina* Roll.; FRA, ELM; Alpine; GC; 11700-12300; 3.
  - Physaria floribunda* Rydb. var. *floribunda*; GUU, WEM; Pinyon/juniper, Sagebrush; DC, GC; 6400-9500; 7.
  - #*Physaria rollinsii* Mulligan; FRA, WEM; Sagebrush; GC; 7700-9500; 10.
  - Rorippa curvipes* Greene var. *alpina* (Wats.) Stuckey; WEM; Alpine, Subalpine meadow; GC; 11500-12000; 1.
  - Rorippa curvipes* var. *curvipes*; WEM, FRA; Palustrine, Mixed conifer, Montane meadow; GC; 8500-8700; 3.
  - Rorippa palustris* (L.) Bess. var. *fernaldiana* (Butters & Abbe) Stuckey; GRA, ELM, FRA, SWA; Riverine, Moist drainage, Roadside, Montane meadow; GC, DC; 8100-10700; 6.
  - Schoenocrambe linifolia* (Nutt.) Greene; GUU, WEM, FRA; Sagebrush, Pinyon/juniper, Aspen, Riverine, Sagebrush and saltbush, Juniper; GC, MC, DC; 5600-9200; 30.
  - Sisymbrium altissimum* L.; WEM, FRA, GUU; Sagebrush and saltbush, Submontane meadow, Mixed conifer, Oak; GC, DC; 5600-9800; 5.
  - Smelowskia calycina* (Steph. ex Willd.) C. A. Mey. var. *americana* (Regel & Herd.) Drury & Roll.; ELM, FRA, WEM, SWA; Alpine, Alpine talus, Spruce krummholz; GC; 11500-13631; 22.
  - Stanleya pinnata* (Pursh) Britt.; GUU; Sagebrush and Saltbush, juniper; DC; 5600-6500; 4.

- Streptanthus cordatus* Nutt.; GUU, FRA, WEM; Pinyon/juniper, Douglas-fir, Sagebrush; GC, DC; 6500-9200; 8.
- Thelypodopsis elegans* (Jones) Rydb.; GUU; Sagebrush and saltbush, Pinyon/juniper; DC, MC; 5600-7350; 3.
- #*Thelypodopsis juniperorum* (Pays.) Rydb.; GUU, WEM; Pinyon/juniper, Sagebrush; GC, DC, MC; 6200-7850; 8.
- Thelypodium laxiflorum* Al-Shehbaz; WEM; Oak, Sagebrush, Aspen; GC; 6400-9500; 4.
- !*Thlaspi arvense* L.; GRA, WEM, FRA, GUU; Sagebrush, Riverine, Moist drainage, Montane meadow, Submontane meadow, Subalpine meadow; GC, DC; 7200-9700; 12.
- Thlaspi montanum* L. var. *montanum*; [*Noccaea montana*]; GUU, WEM, ELM, FRA, GRA, SWA; Alpine, Subalpine meadow, Spruce krummholz, Spruce/fir, Sagebrush, Mixed conifer, Aspen, Oak, Douglas-fir/Ponderosa pine, Riverine, Wet meadow, Lodgepole pine, Pinyon/juniper, Willow krummholz; GC, DC, MC; 6200-13631; 10.

## CACTACEAE

- Echinocereus coccineus* Engelm. var. *coccineus*; [*Echinocereus triglochidiatus* var. *triglochidiatus*]; GUU; Pinyon/juniper, Sagebrush and saltbush; GC, DC; 5450-8800; 9.
- Opuntia phaeacantha* Engelm. var. *major* Engelm.; GUU; Juniper, Oak; DC; 7200-7400; 1.
- Opuntia polyacantha* Haw. var. *juniperina* (Britt. & Rose) L. Benson; GUU; Pinyon/juniper; DC; 6500-6700; 1.
- Opuntia polyacantha* Haw. var. *polyacantha*; FRA; Sagebrush; GC; 8200; 1.
- Pediocactus simpsonii* (Engelm.) Britt. & Rose var. *minor* (Engelm.) Ckll.; FRA; Sagebrush; GC; 7800-8400; 3.
- Pediocactus simpsonii* (Engelm.) Britt. & Rose var. *simpsonii*; GUU, WEM, FRA, ELM; Sagebrush; GC, MC; 7350-9700; 18.

## CALLITRICHACEAE

- Callitriche palustris* L.; [*Callitriche verna*]; ELM; Palustrine; GC; 9800-11400; 2.

## CAMPANULACEAE

- Campanula parryi* Gray var. *parryi*; WEM, FRA, ELM, SWA; Spruce, Riverine, Spruce/fir, Aspen, Moist drainage; GC; 8100-11500; 6.
- Campanula rotundifolia* L.; WEM, FRA, GRA, ELM, SWA; Spruce/fir, Subalpine meadow, Aspen, Spruce krummholz, Alpine; GC, DC; 9500-12500; 18.
- Campanula uniflora* L.; FRA, ELM, SWA; Alpine; GC; 11600-13300; 4.

## CANNABACEAE

- Humulus lupulus* L. var. *neomexicanus* Nels. & Ckll.; GUU; Oak; DC; 7200-7400; 1.

## CAPRIFOLIACEAE

- Linnaea borealis* L. var. *longiflora* Torr.; FRA, ELM; Lodgepole pine, Mixed conifer; GC; 9350-10300; 5.
- Lonicera involucrata* (Richards.) Banks ex Spreng. var. *involucrata*; [*Distegia involucrata*]; WEM, FRA, ELM, GRA, SWA; Riverine, Subalpine meadow, Wet meadow, Aspen, Lodgepole pine, Spruce/fir, Forest seep; GC, DC; 6350-11600; 44.
- Sambucus racemosa* L. var. *microbotrys* (Rydb.) Kearn. & Peeb.; [*Sambucus microbotrys*]; WEM, FRA, ELM, GRA, SWA; Spruce/fir, Mixed conifer, Subalpine meadow, Alpine, Aspen, Riverine, Spruce krummholz; GC, DC; 6600-11800; 44.
- Symphoricarpos oreophilus* Gray var. *oreophilus*; [*Symphoricarpos rotundifolius*]; WEM, GRA, GUU, ELM; Sagebrush, Aspen, Oak, Montane meadow; GC, DC; 7100-8700; 8.
- Symphoricarpos oreophilus* Gray var. *utahensis* (Rydb.) A. Nels.; [*Symphoricarpos rotundifolius*]; GUU, WEM, FRA, ELM; Pinyon/juniper, Oak, Aspen, Sagebrush; GC, DC; 6400-9500; 7.

## CARYOPHYLLACEAE

- Arenaria congesta* Nutt. var. *congesta*; [*Eremogone congesta* in Alsinaeae] FRA, WEM, ELM, SWA; Spruce/fir, Subalpine meadow, Alpine, Spruce krummholz, Sagebrush, Oak, Mixed conifer, Montane meadow, Aspen; GC, DC; 7350-12500; 37.
- Arenaria fendleri* Gray var. *fendleri*; [*Eremogone fendleri* in Alsinaeae] WEM, FRA; Alpine, Spruce krummholz; GC; 11500-13035; 6.
- Arenaria lanuginosa* (Michx.) Rohrb. ssp. *saxosa* (Gray) Maguire; [*Spergulastrum lanuginosum* ssp. *saxosum* in Alsinaeae]; FRA, SWA; Mixed conifer; GC; 10100-10650; 2.
- Cerastium arvense* L.; [*Cerastium strictum* in Alsinaeae]; WEM, FRA, ELM, GRA, SWA; Alpine, Spruce krummholz, Subalpine meadow, Willow krummholz, Spruce/fir; GC, DC; 6550-13000. 13.
- Cerastium beeringianum* Cham. & Schlecht. var. *capillare* Fern. & Wieg.; [*Cerastium beeringianum* ssp. *earlei* in Alsinaeae]; WEM, FRA, ELM, SWA; Alpine, Spruce krummholz, Spruce/fir, Mixed conifer; GC; 9500-13631; 21.
- Cerastium fontanum* Baumg. ssp. *vulgare* (Hartm.) Greuter & Burdet; [*Cerastium fontanum* in Alsinaeae]; FRA; Lodgepole pine, Riverine; GC; 9850; 2.
- Minuartia macrantha* (Rydb.) House; [*Alsinanthe macrantha* in Alsinaeae]; FRA, ELM, SWA; Alpine, Spruce krummholz, Spruce; GC; 10350-12950; 4.
- Minuartia obtusiloba* (Rydb.) House; [*Lidia obtusiloba* in Alsinaeae]; FRA, ELM, WEM, SWA; Alpine, Spruce krummholz; GC; 11300-13035; 24.
- Moehringia lateriflora* (L.) Fenzl; [in Alsinaeae]; FRA, WEM; Mixed conifer, Riverine; GC; 6350-9850; 5.
- Moehringia macrophylla* (Hook.) Fenzl; [in Alsinaeae]; WEM, ELM; Spruce/fir, Mixed conifer, Wet meadow, Subalpine meadow; GC; 7600-11500; 12.
- Pseudostellaria jamesiana* (Torr.) W. A. Weber & R. L. Hartm.; [in Alsinaeae]; WEM, ELM, GRA; Montane meadow, Oak, Aspen, Pinyon/juniper, Sagebrush; GC, DC; 6350-9600; 19.
- Sagina saginoides* (L.) Karst.; [in Alsinaeae]; FRA; Wet meadow, Spruce/fir; GC; 9800; 1.
- Silene acaulis* (L.) Jacq. var. *subacaulescens* (F. N. Wms.) Fern. & St John; FRA, WEM, ELM, SWA; Alpine, Spruce krummholz; GC; 11400-13208; 26.

- Silene drummondii* Hook. var. *drummondii*; [*Gastrolychnis drummondii*]; FRA; Mixed conifer, Sagebrush; GC; 8850-10900; 2.
- Silene drummondii* Hook. var. *striata* (Rydb.) Bocq.; [*Gastrolychnis drummondii*]; ELM, FRA, WEM; Spruce/fir, Spruce krummholz, Willow krummholz, Alpine, Subalpine meadow; GC; 9800-12600; 14.
- Silene hitchguirei* Bocq.; [*Gastrolychnis apetala* ssp. *uralensis*]; WEM; Alpine; GC; 11500-12380; 1.
- Silene latifolia* Poir. ssp. *alba* (Mill.) Greuter & Burdet; [*Melandrium dioicum*]; FRA; Riverine; GC; 8400; 1.
- Silene menziesii* Hook. var. *menziesii*; [*Anontites menziesii*]; WEM, FRA; Mixed conifer, Douglas-fir/Ponderosa pine, Riverine; GC; 7200-9800; 4.
- Silene scouleri* Hook. ssp. *hallii* (Wats.) C. L. Hitchc.; WEM; Montane meadow; GC; 9300-9800; 1.
- Stellaria calycantha* (Ledeb.) Bong.; [in Alsinaceae]; SWA; Alpine, Spruce krummholz, Willow krummholz; GC; 11600-12000; 1.
- Stellaria longifolia* Muhl. ex Willd.; [in Alsinaceae]; FRA; Mixed conifer, Riverine, Montane meadow; GC; 9500-10200; 4.
- Stellaria longipes* Goldie var. *longipes*; [in Alsinaceae]; FRA, WEM, ELM, SWA; Alpine, Spruce krummholz, Willow krummholz, Riverine; GC; 8250-12900; 8.
- Stellaria monantha* Hult.; [in Alsinaceae]; WEM, FRA, ELM, SWA; Alpine, Subalpine meadow, Spruce krummholz, Lodgepole pine, Sagebrush, Riverine; GC; 9350-12444; 11.
- Stellaria umbellata* Turcz. ex Karel. & Kir.; [in Alsinaceae]; WEM, ELM, FRA; Spruce/fir, Mixed conifer, Subalpine meadow, Aspen, Riverine, Willow krummholz; GC; 8850-11700; 15.

## CELASTRACEAE

- Paxistima myrsinites* (Pursh) Raf.; WEM, FRA, GRA, ELM; Spruce/fir, Oak, Mixed conifer, Aspen, Spruce krummholz; GC, DC; 6600-11500; 42.

## CERATOPHYLLACEAE

- Ceratophyllum demersum* L.; WEM; Palustrine constructed; GC; 7500; 1.

## CHENOPODIACEAE

- Atriplex confertifolia* (Torr. & Frem.) Wats.; GUU; Pinyon/juniper, Sagebrush and saltbush; DC; 5600-7300; 6.
- Chenopodium album* L. var. *album*; GRA, WEM; Submontane meadow, Sagebrush, Montane meadow; GC, DC; 7500-10500; 4.
- Chenopodium atrovirens* Rydb.; WEM, ELM, FRA; Subalpine meadow, Spruce/fir; GC; 9500-11000; 4.
- Chenopodium foliosum* (Moench) Asch.; WEM; Spruce/fir, Aspen; GC; 9500-9600; 1.

- Chenopodium fremontii* Wats.; WEM; Spruce/fir, Subalpine meadow; GC; 9600-10500; 2.
- Grayia spinosa* (Hook.) Moq.; [*Atriplex grayi*]; GUU; Pinyon/juniper; DC; 6250-7500; 3.
- Monolepis nuttalliana* (Schult.) Greene; GUU; Sagebrush and saltbush, Juniper; DC, MC; 5600-7600; 4.
- Sarcobatus vermiculatus* (Hook.) Torr. var. *vermiculatus*; GUU; Sagebrush and saltbush; DC; 5750; 1.
- Suaeda nigra* (Raf.) Macbr.; GUU; Sagebrush and saltbush; DC; 5600-6880; 1.

## CLUSIACEAE

- Hypericum formosum* H.B.K. var. *formosum*; [in Hypericaceae]; FRA, WEM; Riverine, Oak; DC, GC; 7100-8850; 2.

## CONVOLVULACEAE

- +*Convolvulus arvensis* L.; WEM, GUU, GRA; Roadside, Oak, Pinyon/juniper, Sagebrush and saltbush, Montane meadow; GC, DC; 5750-8100; 8.
- Cuscuta occidentalis* Millsp.; [*Grammica occidentalis* in Cuscutaceae]; WEM; Oak; GC; 7350; 1.

## CORNACEAE

- Cornus sericea* L. ssp. *sericea*; [*Swida sericea*]; WEM, FRA, ELM; Riverine, Aspen, Mixed conifer, Douglas-fir/Ponderosa pine; GC, DC; 6400-9800; 11.

## CRASSULACEAE

- Sedum integrifolium* (Raf.) A. Nels. ssp. *integrifolium*; [*Rhodiola integrifolia*]; WEM, ELM, FRA, SWA; Subalpine meadow, Riverine, Alpine, Spruce/fir krummholz; GC; 9100-13035; 23.
- Sedum lanceolatum* Torr. var. *lanceolatum*; [*Amerosedum lanceolatum*]; WEM, ELM, FRA, SWA; Subalpine meadow, Spruce, Lodgepole pine, Spruce/fir, Alpine, Spruce krummholz; GC; 8200-13035; 21.
- Sedum rhodanthum* Gray; [*Clementsia rhodantha*]; ELM, WEM, FRA, SWA; Riverine, Alpine, Wet meadow, Spruce krummholz, Subalpine meadow; GC; 10000-12709; 10.

## CYPERACEAE

- Carex albonigra* Mack.; WEM, FRA, ELM, SWA; Spruce krummholz; Alpine, Mixed conifer; GC; 11000-13631; 11.
- Carex aquatilis* Wahlenb. var. *aquatilis*; FRA, ELM, GRA, WEM, SWA; Alpine, Riverine,

- Palustrine, Wet meadow, Forest seep; GC, DC; 7500-12000; 25.
- Carex athrostachya* Olney; FRA, GRA; Moist drainage, Palustrine; DC, GC; 8100-8500; 5.
  - Carex atrata* L. var. *atrosquama* (Mack.) Cronq.; [*Carex atrosquama*]; WEM, ELM; Alpine, Spruce krummholz, Spruce/fir; GC; 10100-11800; 3.
  - Carex atrata* L. var. *chalciolepis* (Holm) Kukenth.; [*Carex chalciolepis*]; ELM, WEM, FRA, SWA; Alpine, Spruce krummholz, Spruce/fir, Alpine talus, Willow krummholz; GC; 10650-13631; 30.
  - Carex atrata* L. var. *erecta* Boott; ELM; Alpine; GC; 11600-11850; 1.
  - Carex aurea* Nutt.; FRA, ELM; Spruce/fir, Riverine; GC; 9600-11800; 2.
  - Carex bella* Bailey; GRA, FRA, WEM; Wet meadow, Riverine, Spruce/fir; GC, DC; 10600-10900; 3.
  - Carex brunnescens* (Pers.) Poir. ssp. *sphaerostachya* (Tuckerm.) Kalela; FRA; Riverine; GC; 10300; 1.
  - Carex canescens* L. var. *canescens*; FRA, ELM; Riverine; GC; 9300-10400; 4.
  - Carex capillaris* L.; ELM; Riverine; GC; 9700; 1.
  - Carex disperma* Dewey; FRA, ELM; Palustrine, Forest seep; GC; 9350-10400; 3.
  - Carex douglasii* Boott; FRA; Riverine; GC; 8650-9800; 2.
  - Carex ebenea* Rydb.; FRA, WEM, ELM, SWA; Alpine, Spruce/fir, Lodgepole pine, Spruce krummholz, Wet meadow; GC; 10200-12600; 15.
  - Carex echinata* J. A. Murray ssp. *echinata*; [*Carex angustior*]; WEM; Acid fen; GC; 9300; 1.
  - Carex egglestonii* Mack.; WEM, ELM; Palustrine, Spruce/fir, Aspen, Subalpine meadow, Mixed conifer, Spruce krummholz; GC; 9600-11700; 13.
  - Carex elynoides* Holm; WEM, FRA, ELM, SWA; Alpine, Spruce/fir krummholz; GC; 10400-13035; 11.
  - Carex foenea* Willd.; FRA, GUU, ELM, WEM, SWA; Spruce/fir, Aspen, Riverine, Forest seep, Lodgepole pine, Alpine, Spruce krummholz, Wet meadow, Sagebrush, Mixed conifer, Oak; GC, DC; 6500-12500; 52.
  - Carex foetida* All. var. *vernacula* (Bailey) Kukenth.; [*Carex vernacula*]; WEM; Spruce/fir, Aspen, Subalpine meadow; GC; 9200-9900; 2.
  - Carex geophila* Mack.; FRA; Riverine; GC; 9500-9800; 1.
  - Carex geyeri* Boott; FRA, GUU, WEM, ELM, GRA, SWA; Spruce/fir, Spruce krummholz, Mixed conifer, Aspen, Douglas-fir, Spruce, Douglas-fir/Ponderosa pine, Sagebrush, Pinyon/juniper; MC, DC, GC; 6600-11700; 60.
  - Carex gynocrates* Wormsk. ex Drej.; [*Carex dioica* ssp. *gynocrates*]; ELM; Wet meadow; GC; 8700-10800; 2.
  - Carex haydeniana* Olney; WEM, ELM; Alpine, Spruce krummholz; GC; 11400-12500; 6.
  - Carex hoodii* Boott; WEM, ELM, GRA; Spruce/fir, Subalpine meadow, Riverine, Montane meadow, Aspen, Lodgepole pine, Mixed conifer; GC, DC; 7000-11600; 29.
  - Carex illota* Bailey; WEM, FRA, ELM; Wet meadow, Riverine, Subalpine meadow, Spruce krummholz; GC; 10700-11500; 4.
  - Carex lanuginosa* Michx.; WEM, FRA, ELM; Wet meadow, Palustrine, Riverine, Aspen; DC, GC; 6350-8700; 10.
  - Carex lenticularis* Michx. var. *pallida* (Boott) Dorn; WEM; Aspen, Spruce/fir, Subalpine meadow; GC; 7550-9900; 3.
  - Carex microptera* Mack. var. *microptera*; ELM, WEM, FRA, GUU, SWA; Riverine, Subalpine meadow, Submontane meadow, Montane meadow, Mixed conifer, Aspen, Alpine, Lodgepole

- pine, Spruce/fir, Wet meadow, Oak; GC, DC; 7200-13400; 35.
- Carex nebrascensis* Dewey; WEM, Riverine; GC, DC; 8100-8500; 2.
  - Carex nigricans* C. A. Mey.; WEM, ELM; Wet meadow, Subalpine meadow, Alpine; GC; 11200-12600; 3.
  - Carex norvegica* Retz. var. *stevenii* (Holm) Dorn; FRA, ELM, SWA; Riverine, Spruce/fir, Mixed conifer; GC; 8650-10700; 11.
  - Carex nova* Bailey var. *nova*; WEM, FRA, ELM, SWA; Spruce/fir, Riverine, Spruce krummholz, Alpine, Wet meadow; GC; 10650-12600; 8.
  - Carex obtusata* Lilj.; FRA, WEM; Sagebrush, Subalpine meadow; GC; 8500-9800; 13.
  - Carex occidentalis* Bailey; WEM, FRA, GUU; Riverine, Subalpine meadow, Mixed conifer, Aspen, Sagebrush, Palustrine, Montane meadow; GC, DC; 7200-10804; 21.
  - Carex pensylvanica* Lam. var. *digyna* Boeck.; WEM, FRA; Sagebrush, Mixed conifer; GC; 7500-8950; 6.
  - Carex perglobosa* Mack.; WEM; Alpine; GC; 11700-12500; 1.
  - Carex petasata* Dewey; WEM; Riverine; GC; 10200-10500; 1.
  - Carex phaeocephala* Piper; ELM, WEM, FRA, SWA; Wet meadow, Spruce/fir, Alpine, Spruce krummholz, Subalpine meadow; GC; 10900-12900; 12.
  - Carex praeceptorum* Mack.; WEM; Acid fen; GC; 9550-9850; 2.
  - Carex praegracilis* W. Boott; ELM; Riverine, Subalpine meadow; GC; 9700-11300; 2.
  - Carex praticola* Rydb.; GRA, WEM; Montane meadow, Subalpine meadow, Alpine; GC, DC; 8500-12400; 3.
  - Carex pyrenaica* Wahlenb.; [*Carex crandallii*]; ELM, SWA; Alpine, Spruce krummholz; GC; 11500-12710; 3.
  - Carex raynoldsii* Dewey; FRA, WEM, ELM; Palustrine, Mixed conifer, Subalpine meadow; GC; 9300-10900; 6.
  - Carex rossii* Boott; FRA, GUU, WEM, ELM; Spruce/fir, Spruce krummholz, Alpine, Mixed conifer, Sagebrush, Douglas-fir, Aspen, Pinyon/juniper, Lodgepole pine; GC, MC, DC; 6500-12000; 23.
  - Carex rupestris* All.; ELM, SWA; Alpine; GC; 11600-13000; 2.
  - Carex sartwellii* Dewey; WEM, ELM; Palustrine; GC; 7500-10200; 2.
  - Carex scopulorum* Holm var. *bracteosa* (L. H. Bailey) F. J. Herm.; FRA; Spruce/fir; GC; 11150-11650; 1.
  - Carex scopulorum* Holm var. *scopulorum*; FRA, WEM, SWA; Riverine, Spruce/fir, Alpine; GC; 10400-12600; 5.
  - Carex stenophylla* Wahlenb.; FRA, WEM; Sagebrush, Submontane meadow; GC; 7500-8500; 6.
  - Carex stipata* Muhl. ex Willd. var. *stipata*; GUU; Riverine; DC; 7100-7200; 1.
  - Carex utriculata* Boot; ELM, GRA, WEM; Palustrine, Riverine, Aspen; DC, GC; 8600-10400; 16.
  - Carex vallicola* Dewey var. *vallicola*; WEM, FRA, SWA; Sagebrush, Lodgepole pine, Mixed conifer; GC; 7550-10700; 14.
  - Carex vesicaria* L. var. *vesicaria*; ELM, WEM; Palustrine; GC; 9800-10800; 3.
  - Eleocharis bolanderi* Gray; WEM; Palustrine; GC; 7550; 1.
  - Eleocharis palustris* (L.) R. & S.; WEM, FRA, GUU; Palustrine constructed, Palustrine, Riverine, Moist drainage, Montane meadow; GC, DC; 6350-8850; 14.
  - Eleocharis pauciflora* (Lightf.) Link; [*Eleocharis quinqueflora*]; FRA, ELM, WEM; Acid fen,

- Riverine, Spruce/fir, Aspen; GC; 8700-10600; 6.
- *Eriophorum polystachion* L.; [*Eriophorum angustifolium*]; WEM, ELM; Acid fen, Riverine, Wet meadow; GC; 8700-11200; 3.
  - *Kobresia bellardii* (All.) Degl.; [*Kobresia myosuroides*]; WEM, ELM, FRA; Alpine; GC; 11500-12900; 2.
  - *Scirpus microcarpus* J. & K. Presl; WEM; Palustrine constructed; GC; 7500; 1.
  - *Scirpus pallidus* (Britt.) Fern.; GUU; Riverine; DC; 6800-7100; 1.

## ELAEAGNACEAE

- *Shepherdia canadensis* (L.) Nutt.; WEM, FRA, ELM; Lodgepole pine, Mixed conifer, Spruce/fir; GC; 8500-10900; 15.

## ERICACEAE

- *Arctostaphylos uva-ursi* (L.) Spreng. var. *adenotricha* Fern. & Macbr.; [*Arctostaphylos adenotricha*]; FRA, WEM, ELM, SWA; Lodgepole pine, Aspen, Mixed conifer, Oak, Spruce/fir, Spruce krummholz; GC; 8000-11600; 19.
- *Arctostaphylos uva-ursi* (L.) Spreng. var. *stipitata* (Packer & Denford) Dorn; [*Arctostaphylos uva-ursi* var. *coatlilis*]; WEM, FRA, ELM; Aspen, Mixed conifer, Spruce/fir, Spruce krummholz, Alpine; GC; 8000-12300; 15.
- *Chimaphila umbellata* (L.) Barton var. *occidentalis* (Rydb.) Blake; [in Pyrolaceae]; WEM; Aspen, Mixed conifer; GC; 6350-8200; 2.
- *Moneses uniflora* (L.) Gray var. *uniflora*; WEM, FRA, ELM; [in Pyrolaceae]; Spruce/fir, Mixed conifer; GC; 9800-11400; 8.
- *Orthilia secunda* (L.) House; [in Pyrolaceae]; FRA, WEM, ELM, SWA; Spruce/fir, Lodgepole pine, Mixed conifer; GC; 6900-11300; 9.
- *Pyrola asarifolia* Michx. var. *asarifolia*; [*Pyrola rotundifolia* var. *asarifolia* in Pyrolaceae]; ELM; Aspen; GC; 9700-10400; 4.
- *Pyrola chlorantha* Sw. var. *chlorantha*; [in Pyrolaceae]; WEM, SWA; Spruce/fir, Lodgepole pine, Mixed conifer, Douglas-fir/Ponderosa pine; GC; 6400-11500; 8.
- *Pyrola minor* L.; [in Pyrolaceae]; Spruce/fir, Lodgepole pine, Mixed conifer; GC; 9800-11400; 5.
- *Vaccinium cespitosum* Michx.; WEM, FRA, ELM, SWA; Lodgepole pine, Spruce/fir, Spruce krummholz, Alpine, Subalpine meadow; GC; 8650-11700; 7.
- *Vaccinium myrtilloides* L. var. *oreophilum* (Rydb.) Dorn; FRA, WEM, ELM, GRA, SWA; Aspen, Subalpine meadow, Spruce/fir, Mixed conifer, Alpine; DC, GC; 7700-12300; 31.

## EUPHORBIACEAE

- *Euphorbia brachycera* Engelm. var. *robusta* (Engelm.) Dorn; [*Tithymalus brachyceras*]; GUU, FRA; Sagebrush and saltbush, Douglas-fir/Ponderosa pine; GC, DC; 5750-9250; 4.
- *Euphorbia esula* L. var. *uralensis* (Fisch. ex Link) Dorn; [*Tithymalus uralensis*]; GUU; Juniper; DC; 5820-6720; 1.

- *Euphorbia fendleri* T. & G.; [*Chamaesyce fendleri*]; GUU; Pinyon/juniper; DC; 6600-7400; 1.
- *Euphorbia spathulata* Lam.; [*Tithymalus spathulatus*]; GUU; Sagebrush and saltbush, Juniper; DC; 6000-6500; 2.

## FABACEAE

- *Astragalus adsurgens* Pall. var. *robustior* Hook.; FRA; Sagebrush; GC; 8200-8500; 1.
- *Astragalus agrestis* Dougl. ex G. Don; FRA; Moist drainage; GC; 8100; 2.
- *Astragalus alpinus* L. var. *alpinus*; FRA, ELM, SWA; Sagebrush, Spruce/fir, Lodgepole pine, Mixed conifer, Riverine, Willow krummholz; GC; 9700-11600; 6.
- *Astragalus asclepiadoides* Jones; GUU; Sagebrush and saltbush; DC; 5750; 1.
- *Astragalus bisulcatus* (Hook.) Gray var. *bisulcatus*; GUU; Pinyon/juniper; DC; 6400; 1.
- *Astragalus bisulcatus* (Hook.) Gray var. *haydenianus* (Gray) Barneby; GUU; Pinyon/juniper; DC, MC; 6000-7600; 2.
- *Astragalus bodinii* Sheld.; FRA; Aspen; GC; 9700; 1.
- *Astragalus chamaeleuce* Gray var. *chamaeleuce*; GUU; Sagebrush and saltbush; DC; 6100; 1.
- *Astragalus cibarius* Sheld.; GUU; Pinyon/juniper, Sagebrush; DC, MC; 6250-7350; 5.
- *Astragalus convallarius* Greene var. *convallarius*; WEM; Sagebrush; GC; 7700-8000; 1.
- *Astragalus convallarius* Greene var. *scopulorum* Barneby; WEM; Sagebrush, Oak; GC; 7300-9500; 3.
- *Astragalus drummondii* Dougl. ex Hook.; FRA; Sagebrush, Riverine, Moist drainage; GC; 8100-9200; 4.
- *Astragalus flavus* Nutt.; GUU; Pinyon/juniper, Sagebrush, Sagebrush and saltbush; DC, MC; 5900-7600; 3.
- *Astragalus lentiginosus* Dougl. ex Hook. var. *chartaceus* Jones; GUU; Pinyon/juniper, Sagebrush and saltbush; DC, MC; 5600-8500; 4.
- *Astragalus lentiginosus* Dougl. ex Hook. var. *palans* (Jones) Jones; FRA; Sagebrush; GC; 8850-9200; 1.
- *Astragalus leptaleus* Gray; FRA; Mixed conifer; GC; 9350-9450; 1.
- *Astragalus miser* Dougl. var. *oblongifolius* (Rydb.) Cronq.; FRA, WEM, SWA; Sagebrush, Spruce krummholz, Willow krummholz; GC; 8400-11600; 7.
- *Astragalus missouriensis* Nutt. var. *missouriensis*; GUU, WEM, FRA; Sagebrush, Sagebrush and saltbush, Pinyon/juniper; GC, DC; 5600-9650; 16.
- *Astragalus molybdenus* Barneby; ELM; Alpine; GC; 11600-12710; 1.
- *Astragalus oophorus* Wats. var. *caulescens* (Jones) Jones; WEM, GUU; Pinyon/juniper, Sagebrush; GC, MC, DC; 6500-8850; 6.
- *Astragalus racemosus* Pursh var. *racemosus*; GUU, WEM; Pinyon/juniper, Sagebrush, Oak; GC, DC; 5820-8500; 9.
- *Astragalus tenellus* Pursh; FRA; Mixed conifer, Spruce krummholz, Aspen; GC; 8800-11600; 2.
- *Coronilla varia* L.; [*Securigera varia*]; GUU; Pinyon/juniper; DC; 6400-6600; 1.
- *Hedysarum occidentale* Greene; ELM; Spruce/fir, Mixed conifer, Subalpine meadow; GC; 10100-11200; 3.
- *Lathyrus lanszwertii* Kellogg var. *leucanthus* (Rydb.) Dorn; [*Lathyrus leucanthus*]; WEM, FRA, ELM, GRA; Spruce/fir, Subalpine meadow, Sagebrush, Oak, Aspen, Mixed conifer,

- Spruce krummholz, Montane meadow, Douglas-fir/Ponderosa pine, Pinyon/juniper; DC, GC, MC; 5820-11200; 55.
- Lotus wrightii* (Gray) Greene; WEM; Riverine, Sagebrush; GC; 7700-8500; 2.
  - Lupinus argenteus* Pursh var. *argenteus*; WEM, ELM; Subalpine meadow, Spruce/fir, Alpine, Riverine; GC; 9500-12100; 6.
  - Lupinus argenteus* Pursh var. *argophyllus* (Gray) Wats.; WEM, FRA; Aspen, Subalpine meadow, Riverine, Oak, Pinyon/juniper, Oak, Sagebrush; GC, DC; 7200-11700; 11.
  - Lupinus argenteus* Pursh var. *laxiflorus* (Dougl. ex Lindl.) Dorn; FRA, WEM, ELM; Aspen, Riverine, Moist drainage, Spruce/fir, Alpine, Spruce krummholz, Subalpine meadow; GC; 8100-12700; 7.
  - Lupinus argenteus* Pursh var. *rubricaulis* (Greene) Welsh; WEM, FRA, ELM; Spruce, Aspen, Spruce/fir, Willow krummholz, Alpine; GC; 9200-12400; 4.
  - Lupinus argenteus* var. *spathulatus*; WEM; Spruce/fir, Aspen; GC; 9100-9200; 1.
  - Lupinus bakeri* Greene ssp. *bakeri*; WEM, FRA; Sagebrush; GC; 7900-8800; 5.
  - Lupinus brevicaulis* Wats.; GUU; Pinyon/juniper, Sagebrush and saltbush; DC; 5900-7500; 2.
  - Lupinus lepidus* Dougl. ex Lindl. var. *utahensis* (Wats.) C. L. Hitchc.; [*Lupinus caespitosus*]; WEM, FRA, ELM; Sagebrush, Riverine, Lodgepole pine; GC; 8200-9500; 5.
  - Lupinus polyphyllus* Lindl. var. *prunophilus* (Jones) L. Phillips; [*Lupinus prunophilus*]; FRA, WEM, ELM; Mixed conifer, Spruce krummholz, Subalpine meadow, Aspen, Oak, Sagebrush, Spruce/fir, Oak, Alpine; GC, DC; 6550-11900; 43.
  - Lupinus sericeus* Pursh; WEM; Sagebrush, Oak, Juniper, Subalpine meadow, Spruce/fir; GC, DC; 8250-10500; 3.
  - !*Medicago lupulina* L.; GUU, WEM, GRA; Oak, Aspen, Pinyon/juniper, Roadside, Riverine, Sagebrush, Montane meadow; GC, DC; 6100-8600; 19.
  - !*Melilotus albus* Medic.; FRA, WEM; Riverine, Moist drainage; GC, DC; 6900-8100; 2.
  - !*Melilotus officinalis* (L.) Pall.; WEM, GUU, FRA; Riverine, Montane meadow, Moist drainage, Roadside, Sagebrush, Submontane meadow; GC, DC; 6100-9800; 13.
  - Oxytropis deflexa* (Pall.) DC. var. *deflexa*; ELM; Alpine; GC; 11700-12450; 2.
  - Oxytropis deflexa* (Pall.) DC. var. *foliolosa* (Hook.) Barneby; FRA, ELM; Alpine; GC; 11810-12600; 2.
  - Oxytropis deflexa* (Pall.) DC. var. *sericea* T. & G.; FRA, SWA; Mixed conifer, Spruce/fir, Spruce, Subalpine meadow; GC; 9800-11600; 6.
  - Oxytropis lambertii* Pursh var. *lambertii*; FRA; Sagebrush; GC; 8400-8600; 1.
  - Oxytropis podocarpa* Gray; FRA, WEM; Alpine, Spruce krummholz; GC; 11000-12710; 6.
  - Oxytropis viscida* Nutt. var. *viscida*; FRA, ELM; Alpine; GC; 11500-12450; 4.
  - Thermopsis montana* Nutt. var. *divaricarpa* (A. Nels.) Dorn; [*Thermopsis divaricarpa*]; WEM, GRA; Spruce/fir, Mixed conifer, Oak, Aspen, Douglas-fir/Ponderosa pine; GC, DC; 6350-9700; 6.
  - Thermopsis montana* Nutt. var. *montana*; WEM, GRA, FRA; Mixed conifer, Douglas-fir/Ponderosa pine, Aspen, Subalpine meadow, Montane meadow, Submontane meadow, Moist meadow; GC, DC; 6900-9850; 10.
  - Trifolium dasyphyllum* T. & G.; WEM, FRA, ELM, SWA; Alpine, Spruce krummholz, Lodgepole pine, Spruce; GC; 11000-13631; 25.
  - Trifolium gymnocarpon* Nutt.; FRA, WEM, GUU; Sagebrush, Pinyon/juniper; GC, DC, MC; 6100-9500; 21.
  - !*Trifolium hybridum* L.; GRA, WEM, ELM, FRA; Montane meadow, Aspen, Submontane

- meadow, Sagbrush, Riverine, Spruce/fir; DC, GC; 7350-11500; 19.
- *Trifolium longipes* Nutt. var. *reflexum* A. Nels.; [*Trifolium rusbyi* ssp. *reflexum*]; WEM, GRA; Wet meadow, Subalpine meadow, Riverine; GC, DC; 7400-10000; 8.
  - *Trifolium nanum* Torr.; FRA, WEM, ELM, SWA; Alpine; GC; 11500-13631; 16.
  - *Trifolium parryi* Gray; WEM, FRA, ELM, SWA; Alpine, Spruce/fir, Spruce krummholz, Subalpine meadow, GC; 10600-12600; 11.
  - ! *Trifolium pratense* L. var. *pratense*; WEM, FRA, ELM, GUU; Aspen, Roadside, Riverine, Subalpine meadow, Mixed conifer; GC, DC; 6100-11500; 15.
  - ! *Trifolium repens* L.; FRA, WEM, ELM; Mixed conifer, Riverine, Moist drainage, Sagebrush, Spruce/fir, Aspen, Roadside; GC, DC; 7100-10950; 13.
  - *Trifolium wormskjoldii* Lehm. var. *wormskjoldii*; FRA; Moist drainage; GC; 8100; 1.
  - *Vicia americana* Muhl. ex Willd. var. *americana*; WEM, FRA, ELM, SWA; Spruce/fir, Montane meadow, Sagebrush, Moist drainage, Riverine, Oak, Submontane meadow, Lodgepole pine, Aspen, Douglas-fir/Ponderosa pine, Douglas-fir, Mixed conifer, Spruce krummholz, Subalpine meadow; GC; 6450-11500; 49.
  - *Vicia americana* Muhl. ex Willd. var. *minor* Hook.; WEM; Oak; GC; 7300-8000; 1.
  - *Vicia ludoviciana* Nutt. var. *ludoviciana*; [*Vicia ludoviciana* var. *texana*]; GUU; Pinyon/juniper, Sagebrush and saltbush; DC; 5600-7400; 2.

## FAGACEAE

- *Quercus gambelii* Nutt.; GUU, WEM, GRA; Oak; MC, DC, GC; 5820-10400; 38.

## FUMARIACEAE

- *Corydalis aurea* Willd. var. *aurea*; GUU, WEM, ELM, FRA, SWA; Aspen, Lodgepole pine, Sagebrush, Mixed conifer, Riverine; GC, DC; 6900-10700; 11.
- *Corydalis aurea* Willd. var. *occidentalis* Engelm. ex Gray; GUU, FRA; Pinyon/juniper, Sagebrush and saltbush, Sagebrush, Oak; DC, GC; 6600-9300; 6.
- *Corydalis caseana* Gray ssp. *brandegei* (Wats.) G. Ownbey; WEM; Spruce/fir, Subalpine meadow, Aspen, Spruce krummholz; GC; 6900-11600; 13.

## GENTIANACEAE

- *Frasera speciosa* Dougl. ex Griseb.; FRA, WEM, ELM; Sagebrush, Spruce/fir, Aspen, Alpine, Wet meadow, Montane meadow, Subalpine meadow; GC; 7200-11800; 10.
- *Gentiana algida* Pall.; [*Gentianodes algida*]; FRA, WEM; Alpine; GC; 11600-12600; 4.
- *Gentiana parryi* Engelm.; [*Pneumonanthe parryi*]; FRA, WEM; Alpine, Spruce krummholz, Subalpine meadow; GC; 9300-9600; 3.
- *Gentiana prostrata* Haenke; [*Chondrophylla prostrata*]; ELM, FRA, WEM; Alpine; GC; 11700-12900; 4.
- *Gentianella amarella* (L.) Borner var. *amarella*; FRA, ELM, SWA; Aspen, Spruce, Subalpine meadow; GC; 9800-10800; 2.

- *Gentianella amarella* (L.) Borner var. *heterosepala* (Engelm.) Dorn; [*Gentianella heterosepala*]; WEM, GRA, FRA; Aspen, Alpine, Spruce krummholz, Mixed conifer, Subalpine meadow; GC, DC; 8600-12900; 11.
- *Gentianella tenella* (Rottb.) Borner; [*Comastoma tenellum*]; WEM, FRA; Alpine; GC; 11500-12380; 1.
- *Gentianopsis detonsa* (Rottb.) Ma var. *elegans* (A. Nels.) N. Holmgren; [*Gentianopsis thermalis*]; WEM, FRA, ELM; Spruce krummholz, Subalpine meadow, Wet meadow, Spruce/fir, Riverine, Alpine; GC, DC; 8500-12500; 7.
- *Swertia perennis* L.; FRA, ELM; Alpine, Subalpine meadow, Riverine, Spruce krummholz, Wet meadow; GC; 9800-11800; 5.

## GERANIACEAE

- +*Erodium cicutarium* (L.) L'Her. ex Ait.; GUU; Pinyon/juniper, Sagebrush and saltbush; DC; 5820-7850; 5.
- *Geranium richardsonii* Fisch. & Trautv.; FRA, WEM, ELM, SWA; Spruce/fir, Subalpine meadow, Riverine, Mixed conifer, Alpine, Spruce krummholz, Aspen, Lodgepole pine, Oak, Montane meadow, Douglas-fir, Spruce, Forest seep; GC, DC; 6500-11800; 52.
- *Geranium viscosissimum* Fisch. & Mey. ex Mey. var. *nervosum* (Rydb.) C. L. Hitchc.; GRA, WEM, ELM, FRA; Montane meadow, Riverine, Douglas-fir/Ponderosa pine, Sagebrush, Aspen, Oak; DC, GC; 6350-9700; 20.

## GROSSULARIACEAE

- *Ribes cereum* Dougl. var. *pedicellare* Brewer & Wats.; FRA, WEM, ELM; Spruce krummholz, Subalpine meadow, Moist drainage, Sagebrush, Mixed conifer, Riverine, Alpine, Aspen, Lodgepole pine, Douglas-fir/Ponderosa pine, Douglas-fir; GC; 6400-12400; 55.
- *Ribes coloradense* Cov.; FRA; Mixed conifer, Aspen; GC; 9000-10400; 3.
- *Ribes inerme* Rydb. var. *inerme*; WEM, FRA; Aspen, Riverine, Sagebrush, Moist drainage, Mixed conifer; GC; 7000-9850; 20.
- *Ribes leptanthum* Gray; WEM, GUU; Sagebrush; DC, GC; 6900-8950; 2.
- *Ribes montigenum* McClat.; FRA, WEM, ELM, SWA; Spruce/fir, Subalpine meadow, Spruce krummholz, Alpine, Riverine, Mixed conifer, Aspen; GC; 8350-12500; 37.
- *Ribes wolfii* Rothr.; FRA, WEM, ELM; Spruce/fir, Aspen, Mixed conifer, Riverine, Spruce krummholz; GC, DC; 7500-11500; 33.

## HIPPURIDACEAE

- *Hippuris vulgaris* L.; WEM; Palustrine constructed; GC; 7500; 1.

## HYDRANGEACEAE

- *Fendlera rupicola* Gray; GUU; Juniper; DC; 5820-7300; 2.

## HYDROCHARITACEAE

- *Elodea nuttallii* (Planch.) St. John; WEM; Palustrine constructed; GC; 7500; 2.

## HYDROPHYLLACEAE

- *Hydrophyllum capitatum* Dougl. ex Benth. var. *capitatum*; GRA, WEM, GUU, ELM; Subalpine meadow, Aspen, Oak, Spruce/fir, Pinyon/juniper; DC, GC, MC; 5820-11300; 25.
- *Hydrophyllum fendleri* (Gray) Heller var. *fendleri*; ELM, GRA, WEM; Aspen, Montane meadow, Subalpine meadow, Spruce/fir, Riverine, Wet meadow; GC, DC; 9700-11600; 23.
- *Nemophila breviflora* Gray; WEM; Pinyon/juniper, Aspen, Oak, Wet meadow, Montane meadow; GC, DC; 7300-10200; 11.
- *Phacelia crenulata* Torr. ex Wats.; GUU; Pinyon/juniper; DC; 6600-7400; 1.
- *Phacelia hastata* Dougl. ex Lehm. var. *hastata*; WEM, ELM, SWA; Alpine, Subalpine meadow, Spruce/fir; GC; 10300-12700; 5.
- *Phacelia heterophylla* Pursh var. *heterophylla*; ELM, WEM; Mixed conifer, Aspen, Spruce/fir, Montane meadow; GC; 7200-10300; 7.
- *Phacelia heterophylla* Pursh var. *virgata* (Greene) Dorn; WEM; Montane meadow, Aspen, Oak, Douglas-fir/Ponderosa pine; GC; 6400-9500; 4.
- *Phacelia sericea* (Grah. ex Hook.) Gray var. *ciliosa* Rydb.; FRA, ELM, WEM, SWA; Alpine, Spruce krummholz, Lodgepole pine; GC; 9100-12900; 10.
- *Phacelia sericea* (Grah. ex Hook.) Gray var. *sericea*; WEM, FRA, ELM, SWA; Alpine, Spruce krummholz, Subalpine meadow, Spruce/fir; GC; 9800-13631; 13.
- *Phacelia splendens* Eastw.; GUU; Pinyon/juniper, Juniper, Sagebrush and saltbush; DC, MC; 5600-7600; 7.

## IRIDACEAE

- *Iris missouriensis* Nutt.; WEM, ELM, FRA; Moist drainage, Riverine; GC; 8100-9700; 14.
- *Sisyrinchium montanum* Greene; FRA; Riverine; GC; 8850; 1.

## JUNCACEAE

- *Juncus balticus* Willd. var. *montanus* Engelm.; [*Juncus ater*]; WEM, GUU, FRA, ELM; Pinyon/juniper, Oak, Sagebrush and saltbush, Sagebrush, Riverine, Moist drainage, Montane meadow; GC; 5900-10300; 21.
- *Juncus balticus* Willd. var. *vallicola* Rydb.; [*Juncus ater*]; WEM; Subalpine meadow; GC; 9800; 1.

- *Juncus bufonius* L.; GUU; Riverine; DC; 7100-7200; 1.
- *Juncus confusus* Cov.; WEM, FRA; Aspen, Sagebrush; GC; 7850-9500; 4.
- *Juncus drummondii* E. Mey.; ELM, WEM, FRA, SWA; Lodgepole pine, Alpine, Subalpine meadow, Spruce krummholz, Spruce/fir, Willow krummholz, Wet meadow; GC; 10700-12600; 15.
- *Juncus ensifolius* Wikstr. var. *ensifolius*; WEM, FRA, ELM, GRA; Riverine, Montane meadow, Subalpine meadow; GC, DC; 6800-11300; 12.
- *Juncus ensifolius* Wikstr. var. *montanus* (Engelm.) C. L. Hitchc.; [*Juncus saximontanus*]; WEM; Riverine, Subalpine meadow; GC; 6900-11300; 2.
- *Juncus hallii* Engelm.; WEM; Oak, Montane meadow; GC; 7550-8200; 2.
- *Juncus longistylis* Torr. var. *longistylis*; FRA, ELM, GRA, GUU; Riverine, Palustrine constructed, Montane meadow; GC, DC; 7100-10400; 6.
- *Juncus mertensianus* Bong.; WEM, ELM, FRA, SWA; Alpine, Spruce krummholz, Riverine, Mixed conifer; GC; 9350-12600; 6.
- *Juncus nevadensis* Wats. var. *nevadensis*; ELM; Wet meadow; GC; 8700; 1.
- *Juncus parryi* Engelm.; WEM, FRA, ELM, SWA; Alpine, Spruce krummholz, Spruce/fir, Wet meadow; GC; 10300-12900; 7.
- *Juncus tenuis* Willd. var. *dudleyi* (Wieg.) F. J. Herm.; [*Juncus dudleyi*]; GUU; Riverine; DC; 6800-7100; 1.
- *Juncus tracyi* Rydb.; WEM, FRA, ELM, SWA; Riverine, Spruce/fir, Mixed conifer, Subalpine meadow; GC; 6350-11300; 16.
- *Luzula parviflora* (Ehrh.) Desv.; FRA, ELM, WEM, SWA; Riverine, Subalpine meadow, Spruce/fir, Mixed conifer, Lodgepole pine, Wet meadow, Palustrine, Aspen, Montane meadow; GC; 8550-12300; 34.
- *Luzula spicata* (L.) DC.; ELM, FRA, WEM, SWA; Alpine, Spruce krummholz, Spruce/fir, Subalpine meadow, Wet meadow; GC; 11200-13631; 23.
- #*Luzula subcapitata* (Rydb.) H. D. Harr.; SWA; Alpine; GC; 11800-12600; 1.

## LAMIACEAE

- *Agastache urticifolia* (Benth.) Kuntze var. *urticifolia*; WEM, ELM; Montane meadow, Subalpine meadow; GC; 7200-11000; 9.
- *Dracocephalum parviflorum* Nutt.; GRA, WEM, GUU; Montane meadow, Pinyon/juniper, Oak, Sagebrush; GC, DC; 5600-8800; 5.
- *Marrubium vulgare* L.; GUU; Sagebrush and saltbush; DC; 5750; 1.
- *Mentha arvensis* L.; GUU, FRA; Oak, Juniper, Riverine, Moist drainage; GC, DC; 7200-8850; 4.
- *Monardella odoratissima* Benth. var. *parvifolia* (Greene) Jeps.; WEM; Sagebrush, Subalpine meadow; GC; 10300-10500; 2.
- *Prunella vulgaris* L. var. *lanceolata* (Barton) Fern; GRA, FRA, WEM; Riverine, Aspen; DC, GC; 6350-8850; 1.
- *Stachys palustris* L. var. *pilosa* (Nutt.) Fern.; WEM, FRA; Palustrine, Moist drainage, Montane meadow; 7500-8100; 4.

## LEMNACEAE

- Lemna minor* L.; WEM, GRA; Palustrine, Palustrine constructed; GC, DC; 7500-8850; 3.

## LILIACEAE

- Allium acuminatum* Hook.; [in Alliaceae]; WEM; Pinyon/juniper, Montane meadow, Oak, Aspen, Juniper; DC, GC; 6200-8500; 6.
- Allium brandegei* Wats.; [in Alliaceae]; GUU, WEM; Aspen, Oak, Sagebrush and saltbush; GC, DC; 6100-8800; 6.
- Allium geyeri* Wats. var. *geyeri*; [in Alliaceae]; FRA, WEM; Sagebrush, Montane meadow, Oak; GC; 7400-9350; 9.
- Allium textile* Nels. & Macbr.; [in Alliaceae]; GUU; Sagebrush and saltbush, Pinyon/juniper; DC, MC; 5600-8160; 4.
- Asparagus officinalis* L.; [in Asparagaceae]; WEM; Aspen; GC; 6500-7000; 1.
- Calochortus aureus* Wats.; [*Calochortus nuttallii* in Calochortaceae]; GUU; Pinyon/juniper, Sagebrush and saltbush; DC; 5600-6880; 4.
- Calochortus gunnisonii* Wats. var. *gunnisonii*; [in Calochortaceae]; ELM, WEM, FRA; Sagebrush, Aspen, Oak, Juniper, Spruce/fir, Montane meadow; GC, DC; 7200-11150; 7.
- Disporum trachycarpum* (Wats.) Benth. & Hook.; [in Uvulariaceae]; WEM, GRA; Oak, Aspen, Mixed conifer; GC, DC; 6550-9300; 5.
- Erythronium grandiflorum* Pursh ssp. *chrysandrum* Applegate; WEM, ELM, GRA; Subalpine meadow, Wet meadow, Alpine, Spruce/fir, Aspen, Forest seep, Montane meadow; GC, DC; 7300-12300; 20.
- Lloydia serotina* (L.) Rchb. var. *serotina*; ELM, FRA, SWA; Alpine, Wet meadow, Spruce krummholz; GC; 11200-13631; 12.
- Maianthemum racemosum* (L.) Link var. *amplexicaule* (Nutt.) Dorn; [*Maianthemum amplexicaule* in Convallariaceae]; WEM, ELM; Aspen, Sagebrush, Mixed conifer, Subalpine talus, Spruce/fir, Riverine; GC, DC; 6600-11000; 13.
- Maianthemum stellatum* (L.) Link; [in Convallariaceae]; WEM, ELM, FRA, GRA, SWA; Oak, Aspen, Subalpine meadow, Mixed conifer, Riverine, Sagebrush, Wet meadow, Lodgepole pine, Spruce/fir; GC, DC; 6350-10800; 48.
- Streptopus amplexifolius* (L.) DC.; [*Streptopus fassettii* in Uvulariaceae]; ELM, WEM, FRA; Wet meadow, Aspen, Spruce/fir; GC; 6900-10400; 5.
- Veratrum tenuipetalum* Heller; [in Melanthiaceae]; WEM, FRA, GRA, ELM; Subalpine meadow, Wet meadow, Aspen, Montane meadow; GC, DC; 7000-11600; 27.
- Zigadenus elegans* Pursh; [*Anticlea elegans* in Melanthiaceae]; WEM, FRA, ELM, SWA; Alpine, Subalpine meadow, Spruce krummholz, Lodgepole pine, Wet meadow, Montane meadow; 9100-13300; 25.
- Zigadenus paniculatus* (Nutt.) Wats.; [*Toxicoscordion paniculatum* in Melanthiaceae] GUU; Pinyon/juniper; DC; 6500-7500; 2.
- Zigadenus venenosus* Wats. var. *gramineus* (Rydb.) Walsh ex Peck; [*Toxicoscordion venenosum* in Melanthiaceae]; GUU; Pinyon/juniper, Oak, Juniper, Sagebrush and saltbush; DC, MC; 5450-8500; 11.

## LIMNANTHACEAE

- Floerkea proserpinacoides* Willd.; WEM, GRA; Palustrine, Aspen, Montane meadow; DC, GC; 7550-8850; 3.

## LINACEAE

- Linum lewisii* Pursh var. *lewisii*; [*Adenolinum lewisii*]; WEM, ELM, FRA, GUU, GRA, SWA; Spruce/fir, Montane meadow, Wet meadow, Sagebrush, Oak, Aspen, Douglas-fir/Ponderosa pine, Spruce krummholz, Subalpine meadow, Pinyon/juniper; GC, DC, MC; 6100-11600; 27.

## LOASACEAE

- Mentzelia albicaulis* (Dougl. ex Hook.) Dougl. ex T. & G.; [*Acrolasia albicaulis*]; WEM, FRA; Sagebrush; GC; 7700-8300; 3.
- Mentzelia marginata* (Osterh.) H. J. Thomps. & Prigge; [*Nuttallia marginata*]; GUU; Sagebrush and saltbush; DC; 5750; 1.

## MALVACEAE

- Iliamna rivularis* (Dougl. ex Hook.) Greene; WEM; Montane meadow, Oak; GC; 8200-8350; 1.
- Sidalcea candida* Gray; FRA, WEM, GRA; Aspen, Riverine; DC, GC; 7100-9500; 4.
- Sidalcea neomexicana* Gray var. *neomexicana*; WEM, FRA; Riverine, Palustrine, Montane meadow; GC; 7500-8850; 2.
- Sphaeralcea coccinea* (Nutt.) Rydb.; FRA, GUU; Sagebrush and saltbush, Sagebrush, Moist drainage, Pinyon/juniper; GC, DC, MC; 5450-9800; 22.

## MENYANTHACEAE

- Menyanthes trifoliata* L.; WEM; Palustrine; GC; 9300-9600; 1.

## NYCTAGINACEAE

- Abronia fragrans* Nutt. ex Hook. var. *elliptica* (A. Nels.) Jones; [*Abronia elliptica*]; GUU; Juniper, Sagebrush and saltbush; DC; 5820-6880; 3.
- Mirabilis linearis* (Pursh) Heimerl; [*Oxybaphus linearis*]; FRA; Sagebrush; GC; 8200; 1.

## ONAGRACEAE

- Camissonia scapoidea* (T. & G.) Raven var. *scapoidea*; GUU; Juniper; DC; 6000-6500; 1.
- Epilobium anagallidifolium* Lam.; WEM; Montane meadow, Subalpine meadow; GC; 9600-

10000; 2.

- *Epilobium angustifolium* L. var. *canescens* Wood; [*Chamerion danielsii*]; WEM, ELM, FRA, SWA; Subalpine meadow, Spruce/fir, Roadside, Riverine, Mixed conifer, Aspen; GC; 9300-11500; 10.
- *Epilobium brachycarpum* Presl; WEM, FRA; Riverine, Moist drainage, Montane meadow; GC, DC; 6900-8800; 6.
- *Epilobium ciliatum* Raf. var. *ciliatum*; WEM, FRA, ELM; Riverine, Moist drainage, Palustrine, Spruce/fir, Subalpine meadow, Montane meadow; GC, DC; 6900-11500; 11.
- *Epilobium ciliatum* Raf. var. *glandulosum* (Lehm.) Dorn; WEM; Montane meadow; Subalpine meadow; GC; 9300-10100; 1.
- *Epilobium halleanum* Hausskn.; WEM, FRA, ELM, SWA; Riverine, Wet meadow, Palustrine; GC; 7550-11400; 16.
- *Epilobium hornemannii* Rchb. ssp. *hornemannii*; WEM, FRA, ELM, SWA; Wet meadow, Subalpine meadow, Spruce/fir, Alpine, Spruce krummholz, Willow krummholz, Aspen; GC; 8800-12000; 12.
- *Epilobium lactiflorum* Hausskn.; WEM, ELM; Riverine, Palustrine, Aspen, Spruce/fir, Subalpine meadow; GC; 10350-11000; 14.
- *Epilobium latifolium* L.; [*Chamerion subdentatum*]; ELM, WEM; Riverine, Alpine; GC; 6900-12800; 5.
- *Epilobium saximontanum* Hausskn.; FRA, ELM; Riverine, Palustrine, Aspen, Wet meadow; GC; 7350-11300; 13.
- *Gayophytum diffusum* T. & G. var. *strictipes* (Hook.) Dorn; WEM, ELM; Sagebrush, Spruce/fir, Aspen; GC; 6900-11150; 9.
- *Gayophytum racemosum* T. & G.; WEM, FRA; Sagebrush, Mixed conifer; GC; 8300-9450; 5.
- *Gayophytum ramosissimum* T. & G.; WEM, FRA; Sagebrush; GC; 8000-9200; 5.
- *Oenothera cespitosa* Nutt. var. *macroglottis* (Rydb.) Cronq.; WEM, GUU; Sagebrush, Riverine; DC, GC; 5900-8200; 4.
- *Oenothera cespitosa* Nutt. var. *marginata* (Nutt. ex T. & G.) Munz; FRA, GUU; Sagebrush and saltbush, Moist drainage; DC, GC; 5900-9100; 5.
- *Oenothera cespitosa* Nutt. var. *navajoensis* (W. L. Wagner et al.) Cronq.; GUU, WEM; Sagebrush and saltbush, Roadside, Pinyon/juniper, Juniper; GC, DC, MC; 5450-8650; 8.
- *Oenothera elata* Kunth ssp. *hirsutissima* (Gray ex Wats.) W. Dietr.; WEM; Submontane meadow; GC; 7500; 1.
- *Oenothera flava* (A. Nels.) Garrett; FRA, GRA; Oak, Aspen, Moist drainage; GC, DC; 7700-8550; 3.
- *Oenothera villosa* Thunb. var. *strigosa* (Rydb.) Dorn; WEM; Roadside; GC; 6900; 1.

## ORCHIDACEAE

- *Calypso bulbosa* (L.) Oakes var. *americana* (R. Br.) Luer; GRA, FRA, WEM, ELM; Spruce/fir, Mixed conifer, Aspen; GC, DC; 8500-9800; 6.
- *Coeloglossum viride* (L.) Hartm. var. *virescens* (Muhl. ex Willd.) Luer; ELM; Subalpine meadow, Riverine; GC; 9800-10200; 1.
- *Corallorrhiza maculata* (Raf.) Raf.; WEM; Spruce/fir, Aspen, Riverine; GC; 6900-9600; 5.
- *Corallorrhiza striata* Lindl.; WEM; Douglas-fir/Ponderosa pine, Mixed conifer; GC; 6350-

7500; 3.

- Corallorrhiza trifida* Chat.; FRA, ELM; Spruce/fir; GC; 9800-10150; 2.
- Listera cordata* (L.) R. Br.; [*Listera cordata* ssp. *nephrophylla*]; WEM, ELM; Spruce/fir, Mixed conifer; GC; 9300-10700; 5.
- Platanthera hyperborea* (L.) Lindl. var. *hyperborea*; [*Limnorchis hyperborea*]; WEM, FRA, SWA, ELM, GRA; Riverine, Subalpine meadow, Aspen, Wet meadow; DC, GC; 6350-11150; 19.
- Platanthera obtusata* (Banks ex Pursh) Lindl.; [*Lysiella obtusata*]; FRA; Spruce/fir, Aspen; GC; 10300-10400; 1.
- Platanthera sparsiflora* (Wats.) Schlechter var. *ensifolia* (Rydb.) Luer; [*Limnorchis ensifolia*]; WEM; Aspen; GC; 7200; 1.
- Platanthera stricta* Lindl.; [*Limnorchis stricta*]; ELM; Riverine; GC; 9800-10400; 1.

## OROBANCHACEAE

- Orobanche fasciculata* Nutt.; [*Aphyllon fasciculatum*]; ELM, FRA; Sagebrush, Douglas-fir, Mixed conifer; GC; 7700-9400; 8.
- Orobanche uniflora* L. var. *occidentalis* (Greene) Taylor & MacBryde; [*Aphyllon uniflorum*]; GUU; Pinyon/juniper; DC; 7300-7850; 1.

## PLANTAGINACEAE

- !*Plantago lanceolata* L.; FRA, WEM; Roadside, Riparian; GC; 6100-7800; 5.
- !*Plantago major* L.; GRA, FRA, GUU; Moist drainage, Riverine, Roadside; DC, GC; 7100-10150; 6.
- Plantago tweedyi* Gray; WEM, ELM; Wet meadow, Subalpine meadow, Spruce/fir; GC; 9700-11400; 4.

## POACEAE

- !*Agropyron cristatum* (L.) Gaertn. var. *cristatum*; FRA, GUU, WEM; Sagebrush and saltbush, Submontane meadow, Palustrine; GC, DC; 5750-8500; 3.
- !*Agropyron triticeum* Gaertn.; [*Eremopyrum triticeum*]; FRA; Sagebrush; GC; 7800-8000; 1.
- Agrostis exarata* Trin.; WEM, GRA; Riverine, Aspen, Montane meadow; DC, GC; 7350-10200; 4.
- !*Agrostis gigantea* Roth; FRA; Riverine; GC; 8200; 2.
- Agrostis idahoensis* Nash; FRA, ELM; Riverine, Subalpine meadow; GC; 7350-10200; 4.
- Agrostis scabra* Willd. var. *scabra*; WEM, ELM, FRA; Riverine, Subalpine meadow, Spruce krummholz, Alpine, Mixed conifer; GC; 8200-12500; 12.
- !*Agrostis stolonifera* L.; GUU, GRA, FRA; Riverine, Moist drainage, Palustrine; DC, GC; 7100-8500; 9.
- Alopecurus aequalis* Sobol. var. *aequalis*; FRA, WEM; Riverine, Moist drainage; GC; 7350-9850; 4.

- !*Alopecurus pratensis* L.; WEM, FRA; Sagebrush, Submontane meadow, Riverine, Aspen, Subalpine meadow; GC; 7000-10600; 11.
- Beckmannia syzigachne* (Steud.) Fern.; WEM, FRA; Palustrine, Riverine, Moist drainage; GC; 7500-8200; 5.
- Blepharoneuron tricholepsis* (Torr.) Nash; WEM, FRA; Sagebrush; GC; 9200-10500; 2.
- Bouteloua gracilis* (H.B.K.) Lag. var. *gracilis*; [*Chondrosium gracilis*]; FRA; Sagebrush; GC; 8200-8500; 2.
- Bromus anomalus* Rupr. ex Fourn.; [*Bromopsis porterii*]; ELM, WEM, FRA, SWA; Lodgepole pine, Aspen, Spruce krummholz, Willow krummholz, Mixed conifer, Douglas-fir/Ponderosa pine; GC, DC; 6350-11600; 16.
- Bromus carinatus* H. & A.; [*Ceratochloa carinata*]; WEM, ELM, GRA; Spruce/fir, Subalpine meadow, Montane meadow, Riverine, Aspen, Douglas-fir/Ponderosa pine, Oak, Mixed conifer; GC, DC; 6400-11600; 39.
- Bromus ciliatus* L.; [*Bromopsis canadensis* ssp. *canadensis*]; WEM, FRA, GRA; Riverine, Spruce/fir, Spruce, Mixed conifer, Spruce krummholz, Aspen, Oak; GC, DC; 6900-11500; 11.
- !*Bromus inermis* Leyss. var. *inermis*; [*Bromopsis inermis*]; WEM, FRA, GRA; Sagebrush, Roadside, Submontane meadow, Spruce, Sagebrush and saltbush, Riverine, Aspen, Oak, Montane meadow; GC, DC; 5750-11500; 19.
- !*Bromus inermis* Leyss. var. *purpurascens* (Hook.) Wagon; ELM, WEM, FRA, SWA; Mixed conifer, Aspen, Spruce; GC; 7700-10800; 3.
- Bromus japonicus* Thunb. ex J. A. Murray; WEM, GUU; Pinyon/juniper, Oak; DC, GC; 6400-7350; 2.
- !*Bromus tectorum* L.; [*Anisantha tectorum*]; GUU, WEM, FRA; Sagebrush, Oak, Pinyon/juniper, Sagebrush and saltbush, Douglas-fir/Ponderosa pine, Riverine, Roadside; GC, MC, DC; 5450-9250; 37.
- Calamagrostis canadensis* (Michx.) Beauv.; WEM, FRA, SWA; Spruce/fir, Riverine, Mixed conifer, Subalpine meadow, Wet meadow; GC; 9300-11000; 15.
- Calamagrostis inexpansa* Gray; [*Calamagrostis stricta*]; ELM, WEM, FRA; Spruce/fir, Riverine, Moist drainage, Subalpine meadow; GC; 8100-11300; 6.
- Calamagrostis purpurascens* R. Br. var. *purpurascens*; WEM, FRA, ELM, SWA; Alpine, Spruce, Subalpine meadow; GC; 10800-13400; 8.
- Calamagrostis scopulorum* Jones; WEM; Spruce/fir, Subalpine meadow; GC; 10500-11300; 2.
- Calamagrostis stricta* (Timm) Koeler; WEM; Spruce/fir, Subalpine meadow; GC; 9600-11000; 2.
- !*Dactylis glomerata* L.; WEM, FRA, GRA, ELM; Montane meadow, Oak, Riverine, Aspen, Pinyon/juniper, Spruce, Spruce/fir; GC, DC; 6400-11500; 24.
- Danthonia intermedia* Vasey; FRA; Spruce krummholz, Alpine; GC; 11500-12200; 1.
- Danthonia parryi* Scribn.; FRA; Aspen, Riverine; GC; 9350-9500; 1.
- Deschampsia cespitosa* (L.) Beauv. var. *cespitosa*; WEM, ELM, FRA, SWA; Spruce/fir, Alpine, Spruce krummholz, Riverine, Subalpine meadow, Wet meadow, Montane meadow; GC; 8700-12900; 40.
- Elymus albicans* (Scribn. & Sm.) Love var. *griffithsii* (Scribn. & Sm. ex Piper) Dorn; [*Elymus lanceolatus*]; GUU; Pinyon/juniper; DC; 6600-7400; 1.
- Elymus cinereus* Scribn. & Merr.; [*Leymus cinereus*]; FRA; Sagebrush; GC; 8850-9200; 1.
- Elymus elymoides* (Raf.) Swezey var. *brevifolius* (J. G. Sm.) Dorn; WEM, GUU, FRA, ELM, SWA; Sagebrush and saltbush, Pinyon/juniper, Sagebrush, Oak, Lodgepole pine, Moist

- drainage, Roadside, Riverine, Spruce, Spruce/fir, Mixed conifer; GC, DC; 6400-11500; 34.
- Elymus elymoides* (Raf.) Swezey var. *elymoides*; GUU, WEM; Sagebrush, Sagebrush and saltbush, Juniper; GC, DC, MC; 5600-8000; 9.
  - Elymus glaucus* Buckl. var. *glaucus*; ELM, WEM, GRA; Spruce/fir, Mixed conifer, Aspen, Subalpine meadow; GC, DC; 8600-11600; 13.
  - Elymus hispidus* (Opiz) Melderis var. *hispidus*; [*Thinopyrum intermedium*]; GUU; Riverine; DC; 6800-7100; 1.
  - Elymus hispidus* (Opiz) Melderis var. *ruthenicus* (Griseb.) Dorn; [*Thinopyrum intermedium*]; WEM, GRA; Riverine, Montane meadow, Submontane meadow; GC, DC; 6900-8500; 4.
  - Elymus junceus* Fisch.; [*Psathyrostachys juncea*]; GUU; Juniper; MC; 7400-7600; 1.
  - Elymus lanceolatus* (Scribn. & Sm.) Gould var. *riparius* (Scribn. & Sm.) Dorn; FRA, WEM; Mixed conifer, Spruce/fir, Subalpine meadow; GC; 9700-10300; 2.
  - Elymus repens* (L.) Gould; WEM; Oak, Palustrine constructed, Submontane meadow; GC; 7350-7500; 3.
  - Elymus scribneri* (Vasey) Jones; FRA, WEM, ELM, SWA; Alpine, Spruce krummholz; GC; 11400-13035; 16.
  - Elymus smithii* (Rydb.) Gould; [*Pascopyrum smithii*]; GUU, FRA, WEM; Sagebrush, Sagebrush and saltbush, Moist drainage; GC, DC; 5600-8500; 9.
  - Elymus trachycaulus* (Link) Gould ex Shinners var. *trachycaulus*; WEM, FRA, GRA, ELM; Alpine, Spruce, Montane meadow, Sagebrush, Aspen, Lodgepole pine, Mixed conifer, Oak, Spruce krummholz, Subalpine meadow; GC, DC; 7350-12900; 30.
  - Festuca arizonica* Vasey; WEM; Sagebrush, Aspen; GC; 9500-9650; 1.
  - Festuca brachyphylla* Schult. & Schult. ssp. *coloradensis* Frederiksen; WEM, FRA, ELM, SWA; Alpine, Spruce krummholz, Mixed conifer; GC; 10600-12950; 13.
  - Festuca dasyclada* Hack. ex Beal; [*Argillochloa dasyclada*]; FRA; Mixed conifer; GC; 9700-10000; 1.
  - Festuca idahoensis* Elmer var. *idahoensis*; WEM, ELM, SWA; Sagebrush, Montane meadow, Aspen, Alpine, Spruce krummholz, Willow krummholz; GC; 7450-12000; 6.
  - Festuca minutiflora* Rydb.; ELM; Wet meadow; GC; 10600; 1.
  - Festuca rubra* L. var. *rubra*; WEM, ELM; Mixed conifer, Spruce/fir, Riverine, Spruce krummholz, Montane meadow, Sagebrush; GC; 8700-11500; 5.
  - Festuca saximontana* Rydb. var. *saximontana*; ELM, WEM, FRA; Spruce/fir, Wet meadow, Riverine; GC; 9850-11400; 5.
  - Festuca thurberi* Vasey; FRA, WEM, GRA, ELM, SWA; Spruce/fir, Mixed conifer, Sagebrush, Aspen, Spruce krummholz, Riverine, Wet meadow, Subalpine meadow, Montane meadow, Alpine, Willow krummholz; GC, DC; 8500-11900; 17.
  - Glyceria elata* (Nash ex Rydb.) Jones; ELM; Palustrine; GC; 9800-10400; 1.
  - Glyceria grandis* Wats.; WEM; Palustrine; GC; 7500; 2.
  - Glyceria striata* (Lam.) Hitchc.; WEM, GRA, FRA; Riverine; GC, DC; 6350-9500; 7.
  - Helictotrichon mortonianum* (Scribn.) Henr.; FRA; Alpine; GC; 11600-12000; 1.
  - Hierochloa odorata* (L.) Beauv.; ELM, GRA; Wet meadow; DC; 9100-9400; 1.
  - Hordeum brachyantherum* Nevski; [*Critesion brachyantherum*]; GRA, FRA, WEM; Montane meadow, Moist drainage; DC, GC; 7550-8500; 4.
  - Hordeum jubatum* L.; [*Critesion jubatum*]; WEM, FRA; Riverine, Montane meadow, Submontane meadow, Moist drainage; DC, GC; 7100-8700; 6.
  - Koeleria macrantha* (Ledeb.) Schult.; FRA, GUU, ELM, SWA; Ponderosa pine, Spruce

- krumholz, Pinyon/juniper, Lodgepole pine, Sagebrush; DC, GC; 6500-10300; 8.
- *Leucopoa kingii* (Wats.) W. A. Weber; WEM; Sagebrush, Oak; GC; 7300-9800; 6.
  - *Melica spectabilis* Scribn.; [*Bromelica spectabilis*]; ELM, WEM, GRA; Subalpine meadow, Sagebrush, Aspen, Spruce/fir, Oak, Lodgepole pine, Montane meadow; GC, DC; 7550-11300; 22.
  - *Muhlenbergia wrightii* Vasey ex Coult.; FRA; Sagebrush; GC; 8850-9200; 1.
  - *Oryzopsis asperifolia* Michx.; GRA, FRA; Spruce/fir, Mixed conifer; DC, GC; 9100-9800; 2.
  - *Oryzopsis hymenoides* (R. & S.) Ricker ex Piper; [*Achnatherum hymenoides*]; GUU, WEM, FRA, ELM; Sagebrush, Aspen, Riverine, Pinyon/juniper, Oak, Mixed conifer, Juniper; DC, MC, GC; 5820-10000; 30.
  - *Oryzopsis micrantha* (Trin. & Rupr.) Thurb.; FRA; Sagebrush, Aspen; GC; 9200-9300; 1.
  - *Phalaris arundinacea* L. var. *arundinacea*; WEM; Palustrine constructed; GC; 7500; 3.
  - *Phleum alpinum* L. var. *alpinum*; [*Phleum commutatum*]; FRA, WEM, ELM, SWA; Alpine, Spruce krumholz, Subalpine meadow, Riverine, Spruce/fir, Wet meadow, Montane meadow; GC; 7200-12600; 31.
  - *Phleum pratense* L. var. *pratense*; FRA, WEM, GRA; Roadside, Riverine, Montane meadow; GC, DC; 6350-10150; 11.
  - *Poa alpina* L.; FRA, ELM, WEM, SWA; Alpine, Spruce krumholz, Subalpine meadow, Spruce/fir, Wet meadow; GC, DC; 8650-12850; 27.
  - *Poa annua* L.; WEM, GRA; Aspen, Alpine; GC, DC; 7000-12709; 4.
  - *Poa arctica* R. Br. var. *grayana* (Vasey) Dorn; ELM, FRA, WEM, SWA; Alpine, Spruce/fir, Spruce krumholz, Subalpine meadow, Willow krumholz, Aspen, Lodgepole pine, Riverine; GC; 9500-13035; 32.
  - *Poa bulbosa* L.; GUU; Sagebrush and saltbush, Pinyon/juniper, Oak, Juniper; DC, GC, MC; 5600-8500; 8.
  - *Poa cusickii* Vasey var. *epilis* (Scribn.) C. L. Hitchc.; ELM, FRA, WEM, SWA; Spruce/fir, Subalpine meadow, Alpine, Spruce krumholz, Willow krumholz, Lodgepole pine, Wet meadow; GC; 10650-12900; 24.
  - *Poa fendleriana* (Steud.) Vasey; WEM, FRA, GUU, ELM, SWA; Subalpine meadow, Alpine, Lodgepole pine, Riverine, Sagebrush, Spruce krumholz, Spruce/fir, Mixed conifer, Aspen, Pinyon/juniper, Douglas-fir, Oak; GC, DC, MC; 6600-12300; 148.
  - *Poa interior* Rydb.; [*Poa nemoralis* var. *interior*]; WEM, SWA, ELM; Alpine, Lodgepole pine, Spruce, Aspen, Mixed conifer; GC; 9800-11900; 6.
  - *Poa juncifolia* Scribn. var. *juncifolia*; GUU, FRA, WEM; Sagebrush, Sagebrush and saltbush, Pinyon/juniper, Mixed conifer; DC, GC; 5600-10900; 8.
  - *Poa leptocoma* Trin.; ELM, WEM, FRA; Spruce/fir, Subalpine meadow, Spruce, Wet meadow, Spruce/fir krumholz, Sagebrush, Riverine, Aspen; GC; 8950-13035; 16.
  - *Poa nervosa* (Hook.) Vasey var. *wheeleri* (Vasey) C. L. Hitchc.; ELM, FRA, SWA; Alpine, Mixed conifer, Spruce krumholz, Spruce/fir, Aspen, Wet meadow, Riverine; 8600-12300; 34.
  - *Poa occidentalis* Vasey; WEM; Aspen; GC; 9100-9250; 1.
  - *Poa palustris* L.; WEM, FRA, ELM, GRA; Riverine, Alpine, Mixed conifer, Spruce/fir, Subalpine meadow; GC, DC; 7350-12600; 20.
  - *Poa pattersonii* Vasey; [*Poa abbreviata* ssp. *pattersonii*]; WEM, FRA; Alpine; GC; 11500-13035; 8.
  - *Poa pratensis* L.; FRA, GUU, WEM, ELM, GRA; Aspen, Sagebrush, Pinyon/juniper, Oak,

- Spruce, Mixed conifer, Montane meadow, Wet meadow, Lodgepole pine, Spruce/fir, Subalpine meadow, Douglas-fir/Ponderosa pine, Riverine; GC, DC; 6200-11500; 83.
- *Poa reflexa* Vasey & Scribner; ELM, FRA, WEM, SWA; Spruce krummholz, Alpine, Subalpine meadow, Mixed conifer, Wet meadow, Lodgepole pine, Riverine, Submontane meadow, Spruce, Aspen, Oak; GC; 6900-12600; 37.
  - *Poa rupicola* Nash ex Rydb.; [*Poa glauca* ssp. *rupicola*]; FRA, WEM, ELM, SWA; Alpine, Spruce krummholz; GC; 11300-13631; 24.
  - *Poa secunda* Presl var. *elongata* (Vasey) Dorn; WEM, FRA, GUU, SWA; Pinyon/juniper, Sagebrush and saltbush, Douglas-fir, Mixed conifer, Spruce krummholz, Ponderosa pine, Subalpine meadow; GC, DC; 5600-11300; 14.
  - *Poa secunda* Presl var. *incurva* (Scribn. & Williams ex Scribn.) Bee; WEM; Alpine, Spruce/fir; GC; 10700-12500; 3.
  - *Poa secunda* Presl var. *secunda*; GUU, FRA; Sagebrush, Sagebrush and saltbush, Pinyon/juniper, Mixed conifer, Oak, Juniper; DC, GC; 5820-10000; 9.
  - *Poa tracyi* Vasey; WEM, ELM; Subalpine meadow, Spruce/fir, Aspen; GC; 8400-11300; 6.
  - *Poa reflexa* Vasey & Scribn. x *P. alpina* L.; WEM, Spruce/fir; GC; 10300-10600; 1.
  - *Stipa comata* Trin. & Rupr. var. *comata*; [*Hesperostipa comata*]; GUU, WEM, FRA; Spruce/fir, Sagebrush, Pinyon/juniper, Aspen, Douglas-fir, Juniper; DC, GC; 6600-9300; 17.
  - *Stipa comata* Trin. & Rupr. var. *intermedia* Scribn. & Tweedy; [*Hesperostipa comata*]; WEM, GUU, FRA; Sagebrush, Pinyon/juniper; GC, DC; 6500-9200; 4.
  - *Stipa lettermanii* Vasey; WEM, FRA; Sagebrush, Spruce/fir, Oak, Juniper, Wet meadow, Subalpine meadow; GC, DC; 7400-11300; 6.
  - *Stipa nelsonii* Scribn. var. *nelsonii*; FRA, WEM; Aspen, Oak, Mixed conifer; GC, DC; 8000-10000; 3.
  - *Stipa viridula* Trin.; GUU, FRA, WEM; Pinyon/juniper, Aspen, Mixed conifer, Oak, Spruce; GC, DC; 6100-11500; 8.
  - *Torreyochloa pallida* (Torr.) Church var. *pauciflora* (J. Presl) J. Davis; [*Torreyochloa pauciflora*]; ELM; Palustrine; GC; 9800-10400; 1.
  - *Trisetum spicatum* (L.) Richt.; FRA, WEM, ELM, SWA; Alpine, Spruce krummholz, Spruce/fir, Subalpine meadow, Mixed conifer, Willow krummholz; GC; 7200-13400; 30.
  - *Trisetum wolfii* Vasey; ELM; Subalpine meadow; GC; 9800-10400; 1.

## POLEMONIACEAE

- *Collomia linearis* Nutt.; WEM, FRA, GUU, ELM; Pinyon/juniper, Oak, Mixed conifer, Douglas-fir/Ponderosa pine, Spruce/fir, Aspen, Subalpine meadow, Sagebrush, Montane meadow; GC, DC, MC; 5820-11000; 27.
- *Gilia ophthalmoides* Brand; GUU; Pinyon/juniper, Oak; DC, MC; 6600-8975; 2.
- #*Gilia penstemonoides* Jones; WEM; Sagebrush; GC; 8800-8950; 1.
- *Gilia pinnatifida* Nutt. ex Gray; FRA, WEM; Sagebrush; GC; 7700-8600; 6.
- *Gilia sinuata* Dougl. ex Benth.; GUU; Juniper; DC; 6900-7300; 1.
- *Ipomopsis aggregata* (Pursh) V. Grant var. *aggregata*; GUU, ELM, FRA, WEM; Spruce/fir, Subalpine meadow, Sagebrush, Lodgepole pine, Montane meadow, Oak, Pinyon/juniper, Mixed conifer, Subalpine meadow, Aspen, Riverine; GC, DC; 6300-11150; 51.
- *Ipomopsis aggregata* (Pursh) V. Grant ssp. *formosissima* (Greene) Wherry; GUU;

- Pinyon/juniper; DC; 6700; 1.
- Ipomopsis congesta* (Hook.) V. Grant var. *congesta*; WEM, GUU; Pinyon/juniper, Sagebrush and saltbush; DC; 5600-8160; 2.
  - Ipomopsis congesta* (Hook.) V. Grant var. *frutescens* (Rydb.) Cronq.; GUU; Sagebrush and saltbush; DC; 5600-6880; 1.
  - Leptodactylon pungens* (Torr.) Nutt. var. *pungens*; WEM, FRA; Sagebrush, Oak, Riverine, Pinyon/juniper; GC; 7300-9350; 14.
  - Linanthus nuttallii* (Gray) Greene ex Milliken ssp. *nuttallii*; [*Linanthastrum nuttallii*]; WEM; Alpine, Spruce/fir, Subalpine meadow; GC; 10600-12200; 2.
  - Microsteris gracilis* (Hook.) Greene var. *gracilis*; WEM, GUU; Pinyon/juniper, Spruce/fir; GC, DC, MC; 6000-8975; 3.
  - Phlox condensata* (Gray) E. Nels.; FRA, ELM, WEM, SWA; Alpine, Spruce krummholz; GC; 10400-12850; 17.
  - Phlox hoodii* Richards; WEM, FRA; Sagebrush; GC; 7500-8900; 20.
  - Phlox longifolia* Nutt. var. *longifolia*; WEM, GUU; Sagebrush and saltbush, Sagebrush, Oak, Pinyon/juniper, Juniper; GC, MC, DC; 5420-8500; 21.
  - Phlox multiflora* A. Nels.; WEM, FRA, ELM; Sagebrush, Lodgepole pine, Aspen, Juniper, Douglas-fir; GC; 7800-9700; 24.
  - Phlox muscoides* Nutt.; WEM, FRA; Sagebrush; DC, GC; 7840-8200; 8.
  - Polemonium brandegei* (Gray) Greene; FRA; Douglas-fir; GC; 8900-9200; 1.
  - Polemonium confertum* Gray; WEM, FRA, ELM, SWA; Alpine; GC; 11600-13631; 22.
  - Polemonium foliosissimum* Gray var. *foliosissimum*; WEM; Aspen, Spruce/fir, Subalpine meadow; GC; 7200-10400; 7.
  - Polemonium foliosissimum* Gray var. *molle* (Greene) Anway; WEM, GRA; Aspen, Montane meadow; GC, DC; 8050-10200; 4.
  - Polemonium occidentale* Greene var. *occidentale*; [*Polemonium caeruleum* ssp. *amygdalium*]; FRA, ELM, SWA; Mixed conifer, Riverine; 7500-10300; 3.
  - Polemonium pulcherrimum* Hook. var. *delicatum* (Rydb.) Cronq.; WEM, ELM, FRA, SWA; Spruce/fir, Spruce krummholz, Mixed conifer, Lodgepole pine; GC; 9100-12000; 25.
  - Polemonium viscosum* Nutt.; WEM, ELM, FRA, SWA; Alpine, Spruce krummholz, Wet meadow; GC; 10400-13300; 12.

## POLYGONACEAE

- Eriogonum alatum* Torr. var. *alatum*; [*Pterogonum alatum*]; FRA; Sagebrush; GC; 8400-8950; 2.
- Eriogonum coloradense* Small; ELM; Alpine; GC; 11700-12450; 1.
- Eriogonum gordonii* Benth.; GUU; Sagebrush and saltbush; DC; 5700-5800; 1.
- Eriogonum jamesii* Benth. var. *flavescens* Wats.; FRA; Sagebrush; GC; 8200-8500; 2.
- Eriogonum lonchophyllum* T. & G. var. *lonchophyllum*; WEM, FRA; Sagebrush, Moist drainage; GC, DC; 6800-8850; 4.
- Eriogonum ovalifolium* Nutt. var. *ovalifolium*; GUU; Pinyon/juniper; DC; 6200; 1.
- Eriogonum ovalifolium* Nutt. var. *purpureum* (Nutt.) Durand; GUU; Pinyon/juniper, Sagebrush and saltbush; DC; 5600-7400; 2.
- Eriogonum racemosum* Nutt. var. *racemosum*; FRA; Sagebrush, Spruce; GC; 8200-11500; 3.

- *Eriogonum umbellatum* Torr. var. *aureum* (Gand.) Reveal; FRA, WEM, ELM, SWA; Sagebrush, Spruce/fir, Aspen, Subalpine meadow, Alpine, Oak, Juniper, Spruce; GC, DC; 7050-12500; 24.
- *Eriogonum umbellatum* Torr. var. *majus* Hook.; [*Eriogonum subalpinum*]; WEM, FRA, ELM; Aspen, Spruce, Spruce/fir, Subalpine meadow, Montane meadow, Sagebrush, Riverine, Mixed conifer; GC; 8300-11500; 14.
- *Eriogonum umbellatum* Torr. var. *porteri* (Small) Stokes; WEM; Spruce/fir, Subalpine meadow; GC; 10800-11300; 1.
- *Eriogonum umbellatum* Torr. var. *umbellatum*; WEM, FRA; Sagebrush; GC; 7450-9200; 3.
- *Oxyria digyna* (L.) Hill; FRA, WEM, ELM, SWA; Alpine, Spruce krummholz, Spruce/fir; GC; 11150-12900; 15.
- *Polygonum amphibium* L. var. *stipulaceum* Coleman; [*Persicaria amphibia*]; WEM; Palustrine constructed; GC; 7500; 1.
- *Polygonum aviculare* L.; [*Polygonum arenastrum*]; GRA, ELM, WEM; Subalpine meadow, Montane meadow, Riverine; DC, GC; 7100-10400; 4.
- *Polygonum bistortoides* Pursh; [*Bistorta bistortoides*]; FRA, ELM, WEM, GRA, SWA; Alpine, Spruce krummholz, Subalpine meadow, Riverine, Wet meadow, Willow krummholz; GC, DC; 8650-13631; 28.
- *Polygonum douglasii* Greene var. *douglasii*; WEM, ELM; Sagebrush, Spruce/fir, Subalpine meadow, Aspen, Montane meadow, Wet meadow, Oak; GC; 7350-11300; 9.
- *Polygonum kelloggii* Greene var. *kelloggii*; [*Polygonum polygaloides* ssp. *kelloggii*]; ELM, WEM; Aspen; GC; 7850-10400; 2.
- *Polygonum viviparum* L.; [*Bistorta vivipara*]; ELM, WEM, FRA, SWA; Alpine, Spruce krummholz, Mixed conifer, Riverine, Subalpine meadow, Spruce/fir; GC; 8650-12600; 18.
- *Rumex acetosella* L.; [*Acetosella vulgaris*]; WEM, FRA; Subalpine meadow, Spruce/fir, Montane meadow; GC; 7200-11500; 4.
- *Rumex aquaticus* L. var. *fenestratus* (Greene) Dorn; ELM, WEM, FRA; Riverine, Spruce krummholz; GC; 6350-11600; 3.
- *Rumex crispus* L.; GRA, WEM, FRA; Riverine, Montane meadow, Submontane meadow, Moist drainage; GC, DC; 7100-8700; 8.
- *Rumex densiflorus* Osterh.; FRA; Riverine; GC; 10300; 1.
- *Rumex hymenosepalus* Torr.; GUU; Sagebrush and saltbush; DC; 5900-6000; 1.
- *Rumex utahensis* Rech. f.; GUU; Sagebrush and saltbush; DC; 5900; 1.

## PORTULACACEAE

- *Claytonia lanceolata* Pursh var. *lanceolata*; ELM, GRA, GUU, WEM; Pinyon/juniper, Aspen, Oak, Spruce/fir, Montane meadow, Subalpine meadow, Alpine; GC, DC; 7300-11900; 12.
- *Claytonia megarhiza* (Gray) Parry ex Wats. var. *megarhiza*; FRA, WEM, ELM, SWA; Alpine, Spruce krummholz; GC; 11500-13631; 16.
- *Lewisia pygmaea* (Gray) Robins. var. *pygmaea*; [*Oreobroma pygmaea*]; WEM, FRA, ELM, SWA; Alpine, Spruce/fir, Lodgepole pine, Riverine, Spruce krummholz, Wet meadow; GC; 8650-12600; 14.
- *Montia chamissoi* (Ledeb. ex Spreng.) Greene; [*Crunocallis chamissoi*]; WEM; Aspen; GC; 7000-7200; 1.

## POTAMOGETONACEAE

- Potamogeton filiformis* Pers.; FRA, WEM; Palustrine constructed, Riverine; GC; 7500-8850; 2.
- Potamogeton foliosus* Raf.; WEM; Palustrine constructed; GC; 7500; 1.
- Potamogeton gramineus* L.; ELM; Palustrine; GC; 9800-10400; 1.

## PRIMULACEAE

- Androsace occidentalis* Pursh; GUU; Pinyon/juniper; DC; 6400-6600; 1.
- Androsace septentrionalis* L. var. *glandulosa* (Woot. & Standl.) St. John; GUU, WEM, FRA; Sagebrush, Sagebrush and saltbush, Pinyon/juniper, Mixed conifer; DC, GC; 5600-8600; 5.
- Androsace septentrionalis* L. var. *subulifera* Gray; ELM, FRA, GUU, WEM, GRA; Alpine, Subalpine meadow, Spruce krummholz, Wet meadow, Spruce, Sagebrush, Mixed conifer, Riverine, Montane meadow, Aspen, Lodgepole pine, Douglas-fir, Oak, Pinyon/juniper; DC, GC; 5820-12710; 84.
- Androsace septentrionalis* L. var. *subumbellata*; ELM, SWA; Alpine; GC; 11600-12800; 2.
- Dodecatheon pulchellum* (Raf.) Merr. var. *pulchellum*; FRA, ELM, WEM; Riverine; GC; 8800-10900; 8.
- Primula angustifolia* Torr.; FRA, ELM; Alpine, Spruce krummholz; GC; 11500-12950; 5.
- Primula parryi* Grayl; ELM, FRA, WEM, SWA; Alpine, Spruce/fir, Wet meadow, Riverine; GC; 10650-13208; 10.

## RANUNCULACEAE

- Aconitum columbianum* Nutt. var. *columbianum*; [in Helleboraceae]; WEM, FRA, ELM, SWA; Riverine, Wet meadow, Aspen, Spruce/fir, Palustrine; GC, DC; 8350-11500; 16.
- Actaea rubra* (Ait.) Willd.; [in Helleboraceae]; WEM, FRA, GRA; Spruce/fir, Mixed conifer, Aspen, Riverine; GC, DC; 8350-10100; 20.
- Anemone multifida* Poir. var. *multifida*; FRA, ELM, WEM, SWA; Alpine, Spruce/fir, Spruce krummholz, Subalpine meadow, Mixed conifer, Lodgepole pine; GC; 8650-12700; 31.
- Anemone narcissiflora* L.; ELM, WEM, FRA, SWA; Alpine, Spruce, Wet meadow, Spruce/fir, Spruce krummholz; GC; 10600-13000; 22.
- Anemone parviflora* Michx.; ELM; Alpine; GC; 11600-12300; 1.
- Anemone patens* L. var. *multifida* Pritz.; [*Pulsatilla patens* ssp. *multifida*]; FRA, WEM, ELM; Sagebrush, Aspen, Riverine, Alpine, Spruce krummholz, Douglas-fir, Spruce/fir, Subalpine meadow; GC; 8200-12800; 24.
- Aquilegia coerulea* James var. *coerulea*; [in Helleboraceae]; FRA, WEM, ELM, SWA; Spruce/fir, Alpine, Subalpine meadow, Aspen, Mixed conifer, Riverine, Spruce krummholz, Wet meadow, Montane meadow; GC, DC; 8000-12900; 39.
- Aquilegia elegantula* Greene; [in Helleboraceae]; FRA, WEM, ELM, GRA, SWA; Spruce/fir, Mixed conifer, Douglas-fir/Ponderosa pine, Lodgepole pine, Aspen; GC, DC; 6500-11600;

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- *Caltha leptosepala* DC. var. *leptosepala*; [*Psychrophila leptosepala* in Helleboraceae]; WEM, FRA, ELM, GRA, SWA; Wet meadow, Riverine, Forest seep, Alpine, Subalpine meadow, Spruce krummholz, Willow krummholz; GC, DC; 8200-12600; 24.
- *Clematis columbiana* (Nutt.) T. & G. var. *columbiana*; [*Atragene columbiana*]; FRA, WEM; Sagebrush, Aspen; GC; 8000-9200; 5.
- *Clematis hirsutissima* Pursh var. *hirsutissima*; [*Coriflora hirsutissima*]; FRA, WEM; Sagebrush, Pinyon/juniper, Riverine; GC; 7700-9500; 10.
- *Clematis occidentalis* (Hornem.) DC. var. *grosseserrata* (Rydb.) J. Pringle; [*Atragene occidentalis*]; WEM; Aspen; GC; 8000-8500; 1.
- *Delphinium barbeyi* (Huth) Huth; [in Helleboraceae]; WEM, ELM, FRA, GRA; Spruce/fir, Subalpine meadow, Spruce krummholz, Willow krummholz, Riverine, Aspen, Mixed conifer; GC, DC; 8600-11800; 16.
- *Delphinium nuttallianum* Pritz. ex Walp. var. *nuttallianum*; [in Helleboraceae]; WEM, ELM, GRA, FRA; Sagebrush, Aspen, Spruce/fir, Pinyon/juniper, Subalpine meadow, Montane meadow, Oak, Juniper, Sagebrush and saltbush; DC, GC, MC; 5820-10900; 50.
- *Delphinium occidentale* (Wats.) Wats.; [in Helleboraceae]; ELM; Montane meadow; GC; 9250-9600; 1.
- *Ranunculus adoneus* Gray; FRA, SWA; Alpine; GC; 11800-13300; 3.
- *Ranunculus alismifolius* Geyer ex Benth. var. *montanus* Wats.; WEM, ELM, GRA; Subalpine meadow, Riverine, Wet meadow, Aspen, Spruce/fir, Oak; GC, DC; 7500-11300; 19.
- *Ranunculus cardiophyllus* Hook.; GRA; Wet meadow; DC; 9100; 1.
- *Ranunculus cymbalaria* Pursh var. *saximontanus* Fern.; [*Halerpestes cymbalaria* ssp. *saximontana*]; FRA; Moist drainage, Riverine; GC; 8100-8200; 2.
- *Ranunculus eschscholtzii* Schlecht. var. *eschscholtzii*; WEM, FRA, ELM; Subalpine meadow, Wet meadow, Spruce/fir, Mixed conifer, Sagebrush, Alpine; GC; 8300-12300; 18.
- *Ranunculus flammula* L. var. *filiformis* (Michx.) Hook.; [*Ranunculus reptans* var. *ovalis*]; FRA; Moist drainage; GC; 8100; 1.
- *Ranunculus gmelinii* DC. var. *purshii* (Richards.) Hara; WEM; Palustrine constructed; GC; 7500; 1.
- *Ranunculus inamoenus* Greene var. *alpeophilus* (A. Nels.) Benson; WEM; Spruce/fir, Palustrine; GC; 10650-10800; 1.
- *Ranunculus inamoenus* Greene var. *inamoenus*; GRA, WEM, ELM, FRA; GC, DC; Subalpine meadow, Montane meadow, Spruce/fir, Spruce krummholz, Mixed conifer, Riverine, Lodgepole pine, Oak, Alpine, Spruce krummholz, Aspen; GC, DC; 7350-12500; 39.
- *Ranunculus longirostris* Godr.; WEM; Montane meadow; GC; 7550; 1.
- *Ranunculus macauleyi* Gray; WEM; Alpine, Spruce krummholz; GC; 11500-12600; 4.
- *Ranunculus macounii* Britt.; GRA, WEM; Riverine, Palustrine, Aspen; GC, DC; 6350-7200; 5.
- *Ranunculus pygmaeus* Wahlenb. var. *pygmaeus*; SWA; Alpine; GC; 13400-13630; 1.
- *Ranunculus ranunculinus* (Nutt.) Rydb.; [*Cyrtorhyncha ranunculina*]; FRA, WEM; Sagebrush, Aspen; GC; 7900-8950; 10.
- *Ranunculus testiculatus* Crantz; [*Ceratocephala orthoceras*]; GUU; Sagebrush and saltbush, Sagebrush, Pinyon/juniper, Oak; DC, MC; 5450-8975; 13.
- *Ranunculus uncinatus* D. Don ex G. Don var. *earlei* (Greene) Benson; GRA, ELM, WEM, FRA; Aspen, Moist drainage, Riverine, Spruce/fir, Subalpine meadow; GC, DC; 7000-10400; 16.

- *Thalictrum alpinum* L.; [in Thalictraceae]; FRA, ELM; Riverine, Spruce/fir; GC; 8650-10700; 3.
- *Thalictrum fendleri* Engelm. ex Gray var. *fendleri*; [in Thalictraceae]; WEM, FRA, ELM, GRA; Aspen, Douglas-fir/Ponderosa pine, Subalpine meadow, Montane meadow, Spruce/fir, Oak, Riverine, Mixed conifer, Wet meadow; GC; 6500-11500; 44.
- *Trollius laxus* Salisb. var. *albiflorus* Gray; [*Trollius albiflorus* in Helleboraceae]; WEM, FRA, ELM, SWA; Riverine, Wet meadow, Forest seep, Subalpine meadow, Spruce/fir, Alpine; GC; 9600-12600; 14.

## RHAMNACEAE

- *Ceanothus fendleri* Gray; WEM; Oak, Mixed conifer, Pinyon/juniper; GC; 7350-8100; 3.
- *Ceanothus velutinus* Dougl. ex Hook. var. *velutinus*; WEM; Aspen; GC; 7600-8200; 1.

## ROSACEAE

- *Agrimonia striata* Michx.; WEM; Roadside; GC; 6900; 1.
- *Amelanchier alnifolia* (Nutt.) Nutt. ex Roem. var. *alnifolia*; WEM, GRA; Aspen, Mixed conifer, Riverine, Douglas-fir/Ponderosa pine; DC, GC; 6550-8950; 10.
- *Amelanchier alnifolia* (Nutt.) Nutt. ex Roem. var. *pumila* (T. & G.) A. Nels.; FRA, WEM, ELM; Sagebrush, Aspen, Douglas-fir, Oak, Riverine, Montane meadow, Subalpine meadow; GC; 7900-11000; 13.
- *Amelanchier utahensis* Koehne; GUU, FRA, WEM, ELM, GRA; Sagebrush, Sagebrush and saltbush, Oak, Subalpine meadow, Mixed conifer, Riverine, Pinyon/juniper, Spruce; GC, DC, MC; 5800-11500; 51.
- *Cercocarpus montanus* Raf. var. *montanus*; WEM, GUU; Pinyon/juniper, Juniper, Sagebrush, Oak; GC, DC, MC; 5800-9000; 25.
- *Crataegus erythropoda* Ashe; GRA, WEM; Riverine, Aspen; GC, DC; 7000-8400; 6.
- *Dryas octopetala* L. var. *hookeriana* (Juz.) Breit.; WEM, FRA, ELM, SWA; Alpine, Spruce krummholz; GC; 11500-12600; 15.
- *Fragaria vesca* L.; ELM, WEM; Mixed conifer, Riverine; GC; 8250-9500; 15.
- *Fragaria virginiana* Mill.; WEM, FRA, ELM, GRA, SWA; Spruce/fir, Subalpine meadow, Montane meadow, Mixed conifer, Alpine, Spruce krummholz, Aspen, Wet meadow, Sagebrush, Riverine, Lodgepole pine, Oak; GC, DC; 6350-12200; 60.
- *Geum aleppicum* Jacq.; WEM, FRA; Riverine, Roadside, Mixed conifer; GC; 6550-8850; 4.
- *Geum macrophyllum* Willd. var. *perincisum* (Rydb.) Raup; ELM, WEM, FRA, GRA, SWA; Riverine, Wet meadow, Aspen, Montane meadow, Subalpine meadow, Mixed conifer; GC, DC; 6350-10700; 16.
- *Geum rivale* L.; FRA, ELM; Riverine, GC; 8650-10100; 2.
- *Geum rossii* (R. Br.) Ser. var. *turbinatum* (Rydb.) C. L. Hitchc.; [*Acomastylis rossii* ssp. *turbinata*]; FRA, WEM, ELM, SWA; Alpine, Spruce krummholz, Subalpine meadow, Willow krummholz; GC; 10400-13631; 26.
- *Geum triflorum* Pursh var. *ciliatum* (Pursh) Fass.; [*Erythrocoma triflora*]; ELM, FRA, WEM, GRA; Sagebrush, Wet meadow, Alpine, Lodgepole pine, Spruce/fir, Mixed conifer; GC, DC;

8400-12300; 15.

- *Geum triflorum* Pursh var. *triflorum*; [*Erythrocoma triflora*]; ELM, WEM, FRA, SWA; Riverine, Alpine, Sagebrush, Aspen, Lodgepole pine; GC; 8100-12500; 9.
- *Holodiscus dumosus* (Nutt. ex Hook.) Heller var. *dumosus*; WEM, FRA; Sagebrush, Spruce, Montane meadow; DC, GC; 8200-11500; 6.
- *Ivesia gordonii* (Hook.) T. & G.; WEM, ELM; Alpine, Subalpine meadow, Sagebrush; GC; 9500-12650; 4.
- *Peraphyllum ramosissimum* Nutt.; GUU, WEM; Pinyon/juniper, Sagebrush, Sagebrush and saltbush, Oak, Juniper; DC, MC; 5820-8160; 11.
- *Potentilla anserina* L.; FRA; Moist drainage; GC; 8100; 2.
- *Potentilla arguta* Pursh; [*Drymocallis arguta*]; WEM, FRA, ELM; Wet meadow, Riverine, Sagebrush, Spruce/fir, Montane meadow, Spruce, Aspen, Douglas-fir/Ponderosa pine, Mixed conifer; GC; 7200-11500; 15.
- *Potentilla biennis* Greene; WEM, FRA; Riverine, Moist drainage; GC; 7350-8100; 3.
- *Potentilla concinna* Richards. var. *bicrenata* (Rydb.) Welsh & B. C. Johnst.; FRA; Sagebrush, Douglas-fir/Ponderosa pine; GC; 7700-9100; 4.
- *Potentilla concinna* var. *concinna*; WEM, FRA, ELM; Sagebrush, Mixed conifer, Spruce krummholz, Alpine, Douglas-fir; GC; 7500-12700; 25.
- *Potentilla diversifolia* Lehm. var. *diversifolia*; FRA, WEM, ELM, GRA, SWA; Alpine, Subalpine meadow, Spruce/fir, Spruce krummholz, Sagebrush, Oak, Mixed conifer, Willow krummholz, Riverine, Wet meadow; GC, DC; 8650-13631; 46.
- *Potentilla fissa* Nutt.; [*Drymocallis fissa*]; WEM, FRA; Sagebrush, Subalpine meadow, Aspen, Montane meadow, Spruce/fir; GC; 7050-11500; 16.
- *Potentilla fruticosa* L.; [*Pentaphylloides floribunda*]; WEM, ELM, FRA, GRA, SWA; Riverine, Subalpine meadow, Alpine, Aspen, Spruce/fir, Mixed conifer, Wet meadow; GC, DC; 7700-12900; 52.
- *Potentilla gracilis* Dougl. ex Hook. var. *brunnescens* (Rydb.) C. L. Hitchc.; WEM, ELM; Sagebrush, Lodgepole pine, Spruce krummholz; GC; 9350-11500; 2.
- *Potentilla gracilis* Dougl. ex Hook. var. *nuttallii* (Lehm.) Sheld.; WEM; Subalpine meadow, Oak; GC; 7550-11300; 2.
- *Potentilla gracilis* Dougl. ex Hook. var. *pulcherrima* (Lehm.) Fern.; [*Potentilla pulcherrima*]; WEM, FRA, GRA, ELM, SWA; Lodgepole pine, Mixed conifer, Spruce/fir, Alpine, Aspen, Subalpine meadow, Riverine, Sagebrush, Spruce krummholz, Montane meadow, Oak; DC, GC; 6350-12200; 44.
- *Potentilla hippiana* Lehm. var. *hippiana*; WEM, FRA, ELM, SWA; Sagebrush, Spruce/fir, Mixed conifer, Alpine, Lodgepole pine, Riverine, Montane meadow, Subalpine meadow; GC; 7500-12000; 19.
- *Potentilla hookeriana* Lehm.; FRA, ELM; Alpine; GC; 11600-12600; 2.
- *Potentilla nivea* L.; ELM, FRA; Alpine; GC; 11600-12600; 3.
- *Potentilla pensylvanica* L.; WEM, FRA; Alpine, Spruce krummholz, Sagebrush, Montane meadow; GC; 7500-13035; 10.
- *Potentilla plattensis* Nutt.; FRA, ELM; Alpine, Spruce krummholz, Moist drainage; GC; 8100-12300; 4.
- *Potentilla rubricaulis* Lehm.; WEM, ELM; Alpine, Spruce krummholz; GC; 11800-13035; 6.
- *Potentilla subjuga* Rydb.; WEM, ELM, SWA; Alpine, Spruce krummholz; GC; 11600-13300; 3.

- *Potentilla uniflora* Ledeb.; WEM, ELM; Alpine; GC; 11900-12700; 3.
- *Potentilla gracilis* var. *pulcherrima* (Lehm.) Fern.x *P. hippiana* Lehm.; WEM, FRA; Sagebrush, Aspen, Riverine, Subalpine meadow, Mixed conifer; GC; 8200-9700; 10.
- *Prunus virginiana* L. var. *melanocarpa* (A. Nels.) Sarg.; [*Padus virginiana* var. *melanocarpa*]; GUU, WEM, FRA, GRA; Oak, Aspen, Sagebrush, Douglas-fir/Ponderosa pine, Riverine, Spruce/fir, Mixed conifer; GC, DC; 6400-11500; 49.
- *Purshia mexicana* (D. Don) Welsh var. *stansburiana* (Tor.) Welsh; [*Purshia stansburiana*]; WEM; Mixed conifer; GC; 7700-7850; 1.
- *Purshia tridentata* (Pursh) DC.; GUU, FRA, WEM; Sagebrush, Riverine, Pinyon/juniper, Mixed conifer; GC, DC; 6400-11500; 44.
- *Rosa woodsii* Lindl.; WEM, ELM, FRA, GRA, SWA; Sagebrush, Aspen, Oak, Mixed conifer, Moist drainage, Riverine, Lodgepole pine, Subalpine meadow, Spruce/fir, Alpine, Spruce krummholz; GC, DC; 6350-12400; 41.
- *Rubus idaeus* L. var. *aculeatissimus* Regel & Tiling; WEM, ELM, FRA, SWA; Riverine, Spruce/fir, Subalpine meadow, Roadside, Spruce krummholz, Ponderosa pine, Mixed conifer, Aspen, Lodgepole pine, Oak, Douglas-fir, Montane meadow; GC, DC; 6900-11700; 38.
- *Rubus parviflorus* Nutt. var. *parviflorus*; [*Rubacer parviflorum*]; WEM; Douglas-fir/Ponderosa pine, Aspen, Riverine; GC; 6400-9500; 8.
- *Sibbaldia procumbens* L.; WEM, FRA, ELM, SWA; Alpine, Spruce/fir, Subalpine meadow, Mixed conifer, Spruce krummholz; GC; 9700-13208; 26.
- *Sorbus scopulina* Greene var. *scopulina*; WEM, ELM; Riverine, Aspen, Subalpine fir; GC; 6600-11300; 6.

## RUBIACEAE

- *Galium aparine* L. var. *echinospermon* (Wallr.) Farw.; GUU, WEM; Pinyon/juniper, Mixed conifer, Aspen, Oak; GC, MC, DC; 5820-8800; 19.
- *Galium bifolium* Wats.; WEM, ELM; Aspen, Oak, Mixed conifer, Spruce/fir, Montane meadow; GC, DC; 6900-10200; 13.
- *Galium boreale* L.; [*Galium septentrionale*]; WEM, FRA, ELM, GRA; Subalpine meadow, Montane meadow, Aspen, Spruce/fir, Mixed conifer, Riverine, Oak; DC, GC; 6350-11500; 33.
- *Galium coloradoense* Wight; WEM, GUU; Pinyon/juniper; GC, DC; 6900-8800; 3.
- *Galium trifidum* L. var. *trifidum*; FRA; Mixed conifer, Montane meadow; GC; 9500-9800; 2.
- *Galium triflorum* Michx.; WEM; Douglas-fir/Ponderosa pine, Roadside; GC; 6350-7050; 2.

## SALICACEAE

- *Populus angustifolia* James; WEM, GRA, FRA; Riverine, Palustrine; GC, DC; 5820-9450; 31.
- *Populus deltoides* Bartram ex Marsh. var. *wislizenii* (Wats.) Dorn; GUU; Riverine; DC; 5820-6720; 2.
- *Populus tremuloides* Michx.; WEM, FRA, ELM, GRA, SWA; Spruce/fir, Mixed conifer, Aspen, Lodgepole pine, Sagebrush; GC, DC, MC; 6550-11500; 83.
- *Salix arctica* Pall. var. *petraea* Anderss.; ELM, WEM, SWA; Alpine, Spruce krummholz; GC;

- 11500-13631; 13.
- *Salix bebbiana* Sarg. var. *bebbiana*; WEM, GUU; Palustrine, Riverine, Aspen; GC, DC; 7200-10000; 9.
  - *Salix boothii* Dorn; WEM; Palustrine constructed, Subalpine meadow; GC; 7500-11300; 3.
  - *Salix brachycarpa* Nutt. var. *brachycarpa*; FRA, ELM, SWA; Wet meadow, Willow krummholz, Spruce/fir, Riverine, Alpine; GC; 9800-13300; 21.
  - *Salix drummondiana* Barr. ex Hook.; WEM, ELM, GRA, FRA; Riverine, Mixed conifer, Palustrine, Aspen; GC, DC; 7700-10900; 34.
  - *Salix eriocephala* Michx. var. *ligulifolia* (Ball) Dorn; [*Salix lutea*]; WEM, FRA; Riverine, Mixed conifer; GC; 6350-8700; 6.
  - *Salix exigua* Nutt. var. *exigua*; WEM, FRA; Riverine, Palustrine; GC, DC; 6200-9300; 18.
  - *Salix geyeriana* Anderss. var. *geyeriana*; FRA, ELM; Riverine, Palustrine; GC; 7050-9700; 14.
  - *Salix glauca* L. var. *villosa* (Hook.) Anderss.; [*Salix brachycarpa*]; WEM, ELM; Wet meadow, Riverine, Subalpine meadow, Spruce/fir, Willow krummholz; GC; 9850-12500; 11.
  - *Salix irrorata* Anderss.; FRA; Moist drainage; GC; 8100; 1.
  - *Salix lasiandra* Benth. var. *caudata* (Nutt.) Sudw.; [*Salix lucida* ssp. *caudata*]; WEM, FRA, GRA, GUU; Riverine, Palustrine, Moist drainage; GC, DC; 7100-8400; 9.
  - *Salix monticola* Bebb; ELM, FRA, WEM, GRA; Riverine, Palustrine, Alpine, Aspen, Wet meadow, Spruce/fir, Forest seep; GC, DC; 6000-12700; 53.
  - *Salix planifolia* Pursh var. *monica* (Bebb) Schneid.; ELM, WEM; Palustrine, Wet meadow; GC; 9600-11200; 5.
  - *Salix planifolia* Pursh var. *planifolia*; WEM, ELM, FRA, SWA; Wet meadow, Palustrine, Riverine, Spruce/fir, Alpine, Willow krummholz, Subalpine meadow, Mixed conifer; GC; 10000-12600; 11.
  - *Salix reticulata* L. var. *nana* Anderss.; [*Salix reticulata* ssp. *nivalis*]; ELM, FRA, WEM, SWA; Alpine, Spruce krummholz, Willow krummholz, Subalpine meadow; GC; 11200-12710; 14.
  - *Salix wolfii* Bebb var. *wolfii*; ELM, FRA, WEM; Riverine, Wet meadow; GC; 9100-11600; 13.
  - *Salix brachycarpa* Nutt. var. *brachycarpa* x *S. glauca* L.; ELM; Riverine, Spruce/fir; GC; 10200-11900; 2.

## SANTALACEAE

- *Comandra umbellata* (L.) Nutt. var. *pallida* (A. DC.) Jones; WEM, GRA, GUU; Pinyon/juniper, Sagebrush, Sagebrush and saltbush, Spruce/fir, Oak; GC, DC, MC; 6100-9700; 25.

## SAXIFRAGACEAE

- *Heuchera parvifolia* Nutt. ex T. & G.; ELM, FRA, GUU, WEM, SWA; Subalpine meadow, Alpine, Spruce krummholz, Sagebrush, Spruce/fir, Aspen, Lodgepole pine, Riverine, Pinyon/juniper; DC, GC; 6600-13400; 35.
- *Lithophragma glabrum* Nutt. var. *ramulosum* (Suksd.) Boivin; ELM, WEM, GUU; Mixed conifer, Montane meadow, Aspen, Riverine, Spruce/fir; DC, GC; 7300-9900; 8.

- *Lithophragma parviflorum* (Hook.) Nutt. ex T. & G.; WEM; Aspen; GC; 8500-8650; 1.
- *Lithophragma tenellum* Nutt.; FRA, WEM; Pinyon/juniper, Oak, Aspen; DC, MC, GC; 7700-9300; 3.
- *Mitella pentandra* Hook.; FRA, WEM, GRA, SWA; Spruce/fir, Mixed conifer, Lodgepole pine, Wet meadow; GC, DC; 9100-11600; 14.
- *Mitella stauropetala* Piper var. *stenopetala* (Piper) Rosend.; WEM, ELM; Spruce/fir, Aspen, Mixed conifer, Montane meadow; GC; 6550-10800; 10.
- *Parnassia fimbriata* König var. *fimbriata*; [in Parnassiaceae]; ELM; Wet meadow; GC; 10600-10800; 1.
- *Parnassia parviflora* DC.; [in Parnassiaceae]; FRA; Riverine; GC; 8850; 1.
- *Saxifraga adscendens* L. var. *oregonensis* (Raf.) Breit.; [*Muscaria adscendens*]; WEM; Alpine, Spruce krummholz; GC; 11700-12200; 1.
- *Saxifraga bronchialis* L. var. *austromontana* (Wieg.) Piper ex G. N. Jones; [*Ciliaria austromontana*]; FRA, WEM, ELM, SWA; Alpine, Subalpine meadow, Spruce krummholz, Mixed conifer, Lodgepole pine, Douglas-fir, Aspen, Spruce/fir; GC, DC; 7700-13208; 30.
- *Saxifraga cernua* L.; WEM, FRA, ELM, SWA; Alpine, Spruce/fir, Subalpine meadow, Spruce krummholz; GC; 10650-13400; 8.
- *Saxifraga cespitosa* L. var. *minima* Blank.; [*Muscaria monticola*]; WEM, ELM, SWA; Alpine; GC; 11700-13400; 3.
- *Saxifraga flagellaris* Willd. ex Sternb. var. *crandallii* (Gand.) Dorn; [*Hirculus platysepalus* ssp. *crandallii*]; WEM, SWA; Alpine, Spruce krummholz; GC; 11500-13300; 4.
- *Saxifraga odontoloma* Piper; [*Micranthes odontoloma*]; WEM, FRA, ELM, SWA; Riverine, Wet meadow, Palustrine, Alpine, Spruce krummholz; GC; 9200-12600; 20.
- *Saxifraga oregana* T. J. Howell; [*Micranthes oregana*]; WEM, ELM, FRA, SWA; Riverine, Wet meadow, Subalpine meadow, Alpine, Spruce/fir; GC; 9600-13000; 11.
- *Saxifraga rhomboidea* Greene; [*Micranthes rhomboidea*]; WEM, FRA, ELM, SWA; Alpine, Spruce krummholz, Riverine, Subalpine meadow, Spruce/fir, Willow krummholz, Wet meadow; GC; 8650-13631; 32.
- *Saxifraga serpyllifolia* Pursh var. *chrysantha* (Gray) Dorn; [*Hirculus serpyllifolius* ssp. *chrysantha*]; WEM; Alpine, Spruce krummholz; GC; 11500-13035; 2.

## SCROPHULARIACEAE

- *Besseya alpina* (Gray) Rydb.; FRA, WEM, ELM, SWA; Alpine, Subalpine meadow, Spruce krummholz, Alpine talus; GC; 11000-13400; 22.
- *Castilleja angustifolia* (Nutt.) G. Don var. *dubia* A. Nels.; [*Castilleja chromosa*]; FRA, GUU, WEM; Sagebrush, Pinyon/juniper, Sagebrush and saltbush, Oak; GC, MC, DC; 5600-9600; 53.
- *Castilleja linariifolia* Benth.; WEM, FRA, ELM, GRA, SWA; Sagebrush, Aspen, Wet meadow, Moist drainage, Oak, Subalpine meadow, Spruce, Lodgepole pine, Spruce/fir; GC, DC; 6100-11800; 40.
- *Castilleja miniata* Dougl. ex Hook. var. *miniata*; FRA, WEM, ELM, SWA; Subalpine meadow, Mixed conifer, Wet meadow, Lodgepole pine, Aspen, Alpine, Spruce/fir; GC; 7200-12800; 23.
- *Castilleja occidentalis* Torr.; FRA, WEM, ELM, SWA; Wet meadow, Alpine, Spruce

- krumholz; GC; 11150-13631; 27.
- Castilleja rhexifolia* Rydb.; FRA, WEM, ELM; Wet meadow, Subalpine meadow, Spruce/fir, Alpine, Spruce krumholz; GC; 9450-13035; 19.
  - Castilleja sulphurea* Rydb.; FRA, WEM, ELM, GRA, SWA; Subalpine meadow, Aspen, Mixed conifer, Spruce/fir, Montane meadow, Riverine, Willow krumholz; GC, DC; 7200-11600; 32.
  - Chionophila jamesii* Benth.; WEM, FRA; Alpine, Subalpine meadow; GC; 11000-12950; 3.
  - Collinsia parviflora* Lindl.; FRA, WEM, ELM, GUU; Oak, Sagebrush, Pinyon/juniper, Mixed conifer, Douglas-fir/Ponderosa pine, Aspen; GC, DC, MC; 6800-9700; 34.
  - +*Linaria vulgaris* Mill.; WEM; Douglas-fir/Ponderosa pine, Mixed conifer, Riverine, Subalpine meadow; GC; 6350-10000; 4.
  - Mimulus glabratus* H.B.K. var. *jamesii* (T. & G. ex Benth.) Gray; WEM, FRA; Riverine, Moist drainage; GC, DC; 7200-8100; 3.
  - Mimulus guttatus* DC. var. *guttatus*; FRA, WEM, ELM, SWA; Riverine, Wet meadow, Forest seep, Subalpine meadow; GC, DC; 6900-11300; 24.
  - Mimulus suksdorfii* Gray; [*Mimulus rubellus*]; WEM, FRA; Riverine; GC; 8100-8600; 2.
  - Orthocarpus luteus* Nutt.; FRA; Moist drainage, Subalpine meadow; GC; 8100-9500; 1.
  - Pedicularis bracteosa* Benth. var. *paysoniana* (Penn.) Cronq.; ELM, FRA, WEM; Spruce/fir, Aspen, Subalpine meadow, Wet meadow, Spruce krumholz, Alpine; GC; 9700-11800; 14.
  - Pedicularis centranthera* Gray; GUU; Juniper; MC; 7300-7600; 2.
  - Pedicularis groenlandica* Retz.; FRA, ELM, WEM, GRA, SWA; Subalpine meadow, Riverine, Wet meadow, Alpine, Spruce krumholz, Willow krumholz, Aspen; GC, DC; 8500-12600; 33.
  - Pedicularis parryi* Gray var. *parryi*; ELM, WEM, FRA, SWA; Alpine, Spruce krumholz, Subalpine meadow; GC; 10400-13300; 26.
  - Pedicularis procera* Gray; WEM, SWA, ELM, GRA; Aspen, Spruce/fir, Subalpine meadow; GC, DC; 8600-11500; 6.
  - Pedicularis racemosa* Dougl. ex Benth. var. *alba* (Penn.) Cronq.; ELM, WEM, FRA, SWA; Spruce/fir, Spruce krumholz; GC; 8850-11500; 16.
  - Pedicularis sudetica* Willd. var. *scopulorum* Gray; [*Pedicularis scopulorum*]; FRA, ELM; Wet meadow, Riverine; GC; 9500-11200; 5.
  - Penstemon caespitosus* Nutt. ex Gray var. *caespitosus*; WEM, FRA; Lodgepole pine, Juniper, Mixed conifer, Sagebrush, Spruce krumholz, Montane meadow; MC, GC; 7300-11500; 13.
  - Penstemon crandallii* A. Nels. var. *crandallii*; GUU, WEM; Sagebrush, Juniper, Subalpine talus; MC, GC; 6900-11000; 6.
  - Penstemon crandallii* A. Nels. ssp. *procumbens* (Greene) Keck; WEM; Oak, Juniper, Riverine; GC; 6400-10200; 4.
  - #*Penstemon harboursii* Gray; WEM, FRA, ELM; Alpine, Alpine talus, Spruce krumholz; GC; 11400-12900; 5.
  - Penstemon linarioides* Gray ssp. *coloradoensis* (A. Nels.) Keck; WEM; Sagebrush; GC; 7750-7950; 1.
  - #*Penstemon mensarum* Penn.; WEM, GRA; Spruce/fir, Subalpine meadow, Oak, Montane meadow, Aspen; GC, DC; 7200-10400; 7.
  - Penstemon procerus* Dougl. ex Grah. var. *procerus*; FRA, ELM; Riverine, Wet meadow, Aspen; GC; 9200-10600; 5.
  - #\**Penstemon retrorsus* Pays. ex Penn.; GUU; Sagebrush and saltbush, Pinyon/juniper, Juniper;

- DC; 6000-8160; 4.
- *Penstemon saxosorum* Penn.; WEM; Aspen; GC; 8950-9100; 1.
  - *Penstemon strictiformis* Rydb.; [*Penstemon strictus* ssp. *strictiformis*]; WEM, FRA, ELM; Aspen, Spruce, Pinyon/juniper, Oak; GC; 7700-11500; 5.
  - *Penstemon strictus* Benth.; WEM, FRA; Sagebrush, Oak, Juniper, Montane meadow; GC, DC; 6900-10500; 10.
  - *Penstemon teucrioides* Greene; FRA, GUU; Sagebrush; GC, DC; 6900-9500; 14
  - *Penstemon whippleanus* Gray; WEM, FRA, ELM, SWA; Alpine, Spruce krummholz, Subalpine meadow, Willow krummholz, Wet meadow, Lodgepole pine, Spruce/fir; GC; 9500-12300; 28.
  - *Scrophularia lanceolata* Pursh; WEM, FRA; Riverine, Moist drainage, Aspen; GC; 8100-9500; 3.
  - +!*Verbascum thapsus* L.; GUU, WEM; Sagebrush, Riverine, Pinyon/juniper, Roadside; GC, MC, DC; 6400-8600; 8.
  - *Veronica americana* Schwein. ex Benth.; WEM, ELM, FRA; Riverine, Montane meadow, Wet meadow, Aspen; GC; 7000-11500; 15.
  - *Veronica anagallis-aquatica* L.; FRA, WEM, GUU; Riverine, Moist drainage, Palustrine; GC, DC; 7100-8100; 4.
  - +!*Veronica biloba* L.; [*Pocilla biloba*]; GUU, WEM, GRA; Pinyon/juniper, Oak, Riverine, Montane meadow; GC, DC; 5820-8500; 6.
  - *Veronica serpyllifolia* L. var. *humifusa* (Dickson) Vahl; [*Veronicastrum serpyllifolium*]; WEM, FRA, ELM; Riverine, Wet meadow, Subalpine meadow, Mixed conifer, Spruce/fir, Palustrine; GC, DC; 7550-11650; 20.
  - *Veronica wormskjoldii* R. & S.; [*Veronica nutans*]; WEM, FRA, ELM, SWA; Riverine, Wet meadow, Spruce/fir, Spruce krummholz, Willow krummholz, Alpine, Subalpine meadow; GC; 8850-12709; 21.

## SPARGANIACEAE

- *Sparganium angustifolium* Michx.; WEM, ELM; Palustrine, Palustrine constructed; GC; 7500-10400; 2.

## TAMARICACEAE

- +!*Tamarix chinensis* Lour.; [*Tamarix ramosissima*]; GUU; Pinyon/juniper; DC; 6200; 1.

## TYPHACEAE

- *Typha latifolia* L.; WEM; Palustrine constructed; GC; 7500; 1.

## URTICACEAE

- *Urtica dioica* L. var. *procera* (Muhl. ex Willd.) Wedd.; WEM, FRA, ELM; Riverine, Moist drainage, Roadside, Aspen, Subalpine meadow; GC, DC; 6900-11000; 12.

## VALERIANACEAE

- *Valeriana acutiloba* Rydb. var. *acutiloba*; [*Valeriana capitata* var. *acutiloba*]; FRA, ELM, WEM, SWA; Alpine, Spruce krummholz, Spruce/fir, Subalpine meadow, Riverine, Wet meadow, Lodgepole pine, Mixed conifer; GC; 8650-12200; 17.
- *Valeriana acutiloba* Rydb. var. *pubicarpa* (Rydb.) Cronq.; [*Valeriana capitata* var. *acutiloba*]; WEM; Spruce/fir, Spruce krummholz, Alpine, Subalpine meadow; GC; 11000-12400; 4.
- *Valeriana edulis* Nutt. ex T. & G. var. *edulis*; WEM, FRA, ELM, SWA; Subalpine meadow, Riverine, Alpine, Spruce krummholz, Aspen, Montane meadow, Spruce/fir, Lodgepole pine; DC, GC; 6350-12500; 32.
- *Valeriana occidentalis* Heller; WEM, FRA, ELM, GRA; Subalpine meadow, Wet meadow, Riverine, Aspen, Oak, Spruce/fir, Forest seep; GC, DC; 7400-10400; 33.

## VIOLACEAE

- *Viola adunca* Sm.; ELM, WEM, FRA, GRA; Wet meadow, Aspen, Sagebrush, Riverine, Montane meadow, Spruce/fir; GC, DC; 6900-11300; 46.
- *Viola canadensis* L.; ELM, WEM, GRA, FRA; Aspen, Lodgepole, Spruce/fir, Mixed conifer, Riverine; GC, DC; 6550-11000; 36.
- *Viola labradorica* Schrank; WEM, FRA, ELM, SWA; Alpine, Wet meadow, Spruce krummholz, Spruce/fir, Subalpine meadow; GC; 9800-12600; 14.
- *Viola macloskeyi* Lloyd var. *pallens* (Banks ex DC.) C. L. Hitchc.; WEM, FRA, ELM; Wet meadow, Riverine, Mixed conifer; GC; 9350-11650; 4.
- *Viola nephrophylla* Greene; WEM; Riverine; DC; 8100-8400; 1.
- *Viola nuttallii* Pursh; WEM, GUU, ELM; Pinyon/juniper, Aspen, Spruce/fir, Alpine, Subalpine meadow; GC, DC; 7300-11900; 4.
- *Viola praemorsa* Dougl. ex Lindl.; WEM, ELM; Oak, Montane meadow, Subalpine meadow, Alpine, Spruce/fir; GC; 7400-12100; 4.
- *Viola sheltonii* Torr.; GRA, GUU, WEM; Pinyon/juniper, Oak, Aspen; DC, GC; 7300-9100; 8.

## VISCACEAE

- *Phoradendron juniperinum* Engelm. var. *juniperinum*; GUU; Pinyon/juniper; DC; 6000-7300; 4.