

VASCULAR FLORA OF SOUTH-CENTRAL COLORADO

A total of 20,585 collections were made during the 1998 and 1999 summer field seasons. Six collectors contributed to this total: Brian Elliott (11,776 collections), Dr. Ron Hartman (5,991 collections), B.E. Nelson (615 collections), and Charity Hall, Brian Jacobs, and Alex Morgan (2,203 collections). These collections represent 1392 taxa in 96 families. Many rare taxa, non-native taxa, and noxious weeds were documented as well. Results of the survey are summarized in Tables 1-3 below, followed by an annotated species list.

Table 1: A Numerical summary of the vascular flora of south-central Colorado.

Rare taxa indicates listing on the Colorado Natural Heritage Program's list of species of conservation concern (Colorado Natural Heritage Program, 1999). Noxious weeds are based on the Colorado Department of Agriculture's state-designated noxious weed list (<http://www.ag.state.co.us/DPI/rules/noxious.html>). Non-native refers to taxa introduced from outside North America, and is based on the Checklist of the Vascular Plants of Colorado (Hartman and Nelson, 2000).

Infaspecific taxa:	122
Species	1270
Genera	475
Families	96
Taxa: Fern Allies	21
Taxa: Gymnosperms	14
Taxa: Angiosperms	1357
Unique Taxa:	1392
Rare taxa	44
Noxious weeds	30
Non-native taxa	134 (9.6%)

Table 2: List of Colorado noxious weeds from the study area. This list is developed from the State of Colorado Noxious Weeds List, the Division of Plant Industry of the Colorado Department of Agriculture (<http://www.ag.state.co.us/DPI/rules/noxious.html>). The state list contains 69 taxa, of which 30 were documented by vouchered specimens in the floristic survey. Although *Tamarix chinensis* is not on the state list, two other species of *Tamarix* are, and some authors lump all three species into one. Thus, I have included *T. chinensis* here. An asterisk indicates a taxa belonging to the top ten worst weeds in Colorado based on the state noxious weed list.

TAXON (Family)	COMMON NAME	Number of collections
<i>Aegilops cylindrica</i> * (Poaceae)	goatgrass	15
<i>Arctium minus</i> (Asteraceae)	common burdock	2
<i>Bromus tectorum</i> (Poaceae)	cheatgrass	91
<i>Cardaria draba</i> * (Brassicaceae)	hoary cress	5
<i>Carduus nutans</i> * (Asteraceae)	musk thistle	9
<i>Carum carvi</i> (Apiaceae)	wild caraway	9
<i>Cenchrus longispinus</i> (Poaceae)	longspine sandbur	1
<i>Centaurea diffusa</i> * (Asteraceae)	diffuse knapweed	3
<i>Centaurea repens</i> * (Asteraceae)	Russian knapweed	1
<i>Chorispora tenella</i> (Brassicaceae)	blue mustard	11
<i>Chrysanthemum leucanthemum</i> (Asteraceae)	oxeye daisy	5
<i>Cichorium intybus</i> (Asteraceae)	chicory	2
<i>Cirsium arvense</i> * (Asteraceae)	Canada thistle	20
<i>Cirsium vulgare</i> (Asteraceae)	bull thistle	3
<i>Conium maculatum</i> (Apiaceae)	poison hemlock	8
<i>Convolvulus arvensis</i> * (Convolvulaceae)	field bindweed	56
<i>Cynoglossum officinale</i> (Boraginaceae)	houndstongue	35
<i>Descurainia sophia</i> (Brassicaceae)	flixweed	51
<i>Dipsacus fullonum</i> (Dipsacaceae)	common teasel	1
<i>Erodium cicutarium</i> (Geraniaceae)	redstem filaree	45
<i>Euphorbia esula</i> * (Euphorbiaceae)	leafy spurge	7
<i>Hyoscyamus niger</i> (Solanaceae)	black henbane	6
<i>Kochia scoparia</i> (Chenopodiaceae)	kochia	11
<i>Linaria dalmatica</i> (Scrophulariaceae)	Dalmation toadflax	2
<i>Linaria vulgaris</i> * (Scrophulariaceae)	yellow toadflax	2
<i>Onopordum acanthium</i> (Asteraceae)	Scotch thistle	6
<i>Tamarix chinensis</i> (Tamaricaceae)	saltcedar	10
<i>Tribulus terrestris</i> (Zygophyllaceae)	puncturevine	4
<i>Verbascum thapsus</i> (Scrophulariaceae)	common mullein	22

Table 3: List of rare taxa. A list of sensitive species based on the Colorado Natural Heritage Program (Colorado Natural Heritage Program, 1999) documented by vouchered collections made during the course of this study is given in below. Taxa are ranked based on their global (G) and state (S) status. Global ranks are based on worldwide occurrence, with a number from 1-5 indicating conservation status. A 1 indicates the highest conservation concern with a 5 the lowest. State ranks are based on statewide occurrence, and a numeral (1-3) indicates the level of conservation concern: 1= endangered, 2= threatened, and 3= vulnerable. The federal status is indicated by S= sensitive or C= candidate for listing. A ?= uncertainty about the conservation ranking, while a Q indicates uncertainty regarding the taxonomic status. Both rank and federal status (as well as their definitions) come from the Colorado Rare Plant Field Guide (Spackman et. al., 1997) and the Conservation Status Handbook (Colorado Natural Heritage Program, 1999). Abbreviations are F&W for Fish and Wildlife Service, FS for Forest Service, and BLM for Bureau of Land Management.

TAXON (Family)	Number of collections	RANK CoNHP	Agency	
			F&W	FS/BLM
<i>Abronia carletonii</i> (Nyctaginaceae)	1	G4/S1		
<i>Arabis crandallii</i> (Brassicaceae)	1	G4/S2		BLM
<i>Arabis oxylobula</i> (Brassicaceae)	1	G3/S3		
<i>Asclepias uncialis</i> (Asclepiadaceae)	2	G1G2/S1S2	S	FS/BLM
<i>Astragalus brandegei</i> (Fabaceae)	7	G5/S1S2	C	BLM
<i>Astragalus cerussatus</i> (Fabaceae)	2	G2/S2		
<i>Carex oreocharis</i> (Cyperaceae)	3	G3/S1		
<i>Carex peckii</i> (Cyperaceae)	1	G4G5/S1		
<i>Castilleja lineata</i> (Scrophulariaceae)	4	G4?/S1		
<i>Chionophila jamesii</i> (Scrophulariaceae)	9	G4?/S3S4		
<i>Cryptantha cinerea</i> var. <i>pustulosa</i> (Boraginaceae)	2	G5T?/S1		
<i>Delphinium alpestre</i> (Ranunculaceae)	11	G3/S2		
<i>Draba crassa</i> (Brassicaceae)	3	G3/S3		
<i>Draba fladnizensis</i> var. <i>pattersonii</i> (Brassicaceae)	9	G4/S2S3		
<i>Draba grayana</i> (Brassicaceae)	2	G2/S2		
<i>Draba oligosperma</i> var. <i>oligosperma</i> (Brassicaceae)	1	G5/S2		
<i>Draba porsildii</i> var. <i>porsildii</i> (Brassicaceae)	2	G3G4/S1		
<i>Draba smithii</i> (Brassicaceae)	4	G2/S2	S	FS
<i>Draba streptobrachia</i> (Brassicaceae)	3	G3/S3		
<i>Eustoma grandiflorum</i> (Gentianaceae)	1	G5/S3		
<i>Forsellesia planitierum</i> (Crossosomataceae)	1	G4/S1		
<i>Funastrum crispum</i> (Asclepiadaceae)	1	G4G5/S1		
<i>Gymnocarpium dryopteris</i> (Dennstaedtiaceae)	1	G5/S2S3		
<i>Herrickia horrida</i> (Asteraceae)	2	G3/S1	C	
<i>Heuchera hallii</i> (Saxifragaceae)	3	G3/S3		
<i>Hymenoxys</i> × <i>helenioides</i> (Asteraceae)	1	G3?Q/S1		
<i>Lesquerella calcicola</i> (Brassicaceae)	9	G2S2		

TAXON (Family)	Number of collections	RANK CoNHP	Agency	
			F&W	FS/BLM
<i>Mentzelia densa</i> (Loasaceae)	2	G2/S2		BLM
<i>Minuartia stricta</i> (Caryophyllaceae)	1	G5/S1		
<i>Mirabilis rotundifolia</i> (Nyctaginaceae)	1	G1G2/S1S2		
<i>Nama dichotomum</i> (Hydrophyllaceae)	2	G4/S1		
<i>Neoparrya lithophila</i> (Apiaceae)	13	G2/S2	S	FS/BLM
<i>Oenothera harringtonii</i> (Onagraceae)	5	G2/S2		
<i>Oenopsis foliosa</i> var. <i>foliosa</i> (Asteraceae)	3	G3/G4T2		
<i>Oenopsis foliosa</i> var. <i>monocephala</i> (Asteraceae)	2	G3/G4T2		
<i>Oenopsis puebloensis</i> (Asteraceae)	1	G1/G2 S1/S2		
<i>Oxytropis parryi</i> (Fabaceae)	1	G5/S1		
<i>Papaver radicum</i> ssp. <i>kluanense</i> (Papaveraceae)	1	G4/S2		
<i>Penstemon degeneri</i> (Scrophulariaceae)	4	G2/S2	S	FS/BLM
<i>Pyrola picta</i> (Ericaceae)	1	G4G5/S2		
<i>Saxifraga cespitosa</i> var. <i>monticola</i> (Saxifragaceae)	7	G5T5/S1		
<i>Selaginella weatherbiana</i> (Selaginellaceae)	2	G3G4/S3S4		
<i>Stellaria irrigua</i> (Caryophyllaceae)	8	G4?/S2		
<i>Woodsia neomexicana</i> (Dryopteridaceae)	3	G4?/S2		

The Annotated Checklist:

The following annotated checklist is based upon collections made during the course of this floristic survey. While no checklist is complete, this survey represents the most complete done to date in the study area. It is likely that additional taxa could be added to the list based on historical collections.

The checklist is organized by major plant group with the fern allies first followed by the gymnosperms and the angiosperms last. Within each major group the taxa are arranged alphabetically by family. Genera and species are arranged alphabetically within each family. See table 7 for a list of abbreviations used in the checklist.

Table 7: List of abbreviations used in the annotated checklist.

Each entry is organized as follows:

Taxon Authority (# of collections) COUNTY; elevation range in feet;
SUBREGION; habitat type.

! denotes a species of conservation concern.

* denotes a noxious weed.

County abbreviations:

AL Alamosa
CF Chaffee
CT Costilla
CU Custer
FN Fremont
HF Huerfano
LA Las Animas
PE Pueblo
SH Saguache

Geomorphic Subregions:

BMP Bonanza Monarch Pass
CLR Culebra Range
EFH Eastern Foothills
HPD High Piedmont
SCR Sangre de Cristo Range
WMT Wet Mountains

Habitat Type:

amd alpine meadow
asp aspen woodland
bcp bristlecone pine woodland
dsc desert scrub shrubland
dst disturbed
gwd greasewood shrubland
lpp lodgepole pine woodland
mcw mixed conifer woodland

mtg montane grassland
mwl marsh wetland
oks oak shrubland
pjw pinyon-juniper woodland
ppw ponderosa pine woodland
rwl riparian wetland
sgb sagebrush
sgp shortgrass prairie

An Annotated Checklist of the Vascular Plants of South-Central Colorado

FERN ALLIES

Equisetaceae

- Equisetum arvense* L. (59) AL, CF, CT, CU, FN, HF, LA, PE, SH; 5870-11,400'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, bcp, mcw, mtg, mwl, oks, pjw, ppw, rwl.
- Equisetum hyemale* L. var. *affine* (Engelm.) A. A. Eat. (4) CF, CU, LA, SH; 8600-9300'; CLR, SCR; asp, mcw, rwl.
- Equisetum laevigatum* A. Br. (36) AL, CT, CU, FN, HF, LA, PE, SH; 6000-10,000'; CLR, EFH, HPD, SCR, SLV, WMT; asp, dst, mcw, mwl, oks, pjw, ppw, rwl.
- Equisetum pratense* Ehrh. (1) PE; 8000'; WMT; mcw.

Polypodiaceae

- Argyrochosma fendleri* (Kunze) Windham (17) CU, FN, PE, SH; 5800-10,000'; BMP, HPD, SCR, SLV, WMT; mtg, pjw, ppw, rwl.
- Athyrium filix-femina* (L.) Roth (4) FN, PE; 7500-8500'; WMT; mcw, ppw, rwl.
- Cheilanthes feei* T. Moore (6) FN, LA, PE, SH; 6600-9400'; CLR, SCR, SLV; mtg, pjw, ppw, rwl.
- Cheilanthes fendleri* Hook. (7) FN, PE, SH; 6200-8400'; SLV, WMT; oks, pjw, rwl.
- Cryptogramma acrostichoides* R. Br. (9) CF, CU, HF, LA, PE, SH; 8700-12,683'; BMP, CLR, SCR, WMT; amd, bcp, dst, mcw.
- Cystopteris reevesiana* Lellinger (30) AL, CF, CT, CU, FN, HF, LA, PE, SH; 7200-12,800'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; amd, mcw, ppw, rwl.
- Dryopteris filix-mas* (L.) Schott (3) CU, FN; 7500-8800'; WMT; dst, mcw.
- !*Gymnocarpium dryopteris* (L.) Newm. (1) CU; 9000'; WMT; mcw.
- Pellaea truncata* Goodd. (1) FN; 6300-8400'; WMT; pjw.
- Polypodium saximontanum* Windham (1) PE; 8600'; WMT; mcw, rwl.
- Pteridium aquilinum* (L.) Kuhn var. *latiusculum* (Desv.) Underw. ex Heller (2) PE; 8500-8700'; WMT; ppw.
- !*Woodsia neomexicana* Windham (3) PE, SH; 7800-9300'; SLV, WMT; mcw.
- Woodsia oregana* D. C. Eat. var. *cathcartiana* (Robins.) C.V. Morton (19) CT, CU, FN, HF, LA, PE, SH; 7000-13,971'; BMP, CLR, HPD, SCR, SLV, WMT; amd, mcw, mtg, pjw, ppw.

Selaginellaceae

- Selaginella densa* Rydb. (14) CF, CT, FN, HF, LA, PE, SH; 7200-11,700'; BMP, CLR, EFH, SCR, SLV, WMT; amd, mtg, pjw, ppw.
- Selaginella mutica* D. C. Eat. ex Underw. var. *mutica* (7) FN, HF; 6300-9600'; HPD, SCR, WMT; pjw.
- Selaginella underwoodii* Hieron. (4) FN, LA, PE; 5960-8400'; CLR, WMT; pjw, ppw.
- !*Selaginella weatherbiana* R. Tryon (2) HF, PE; 10,300-11,400'; CLR, WMT; amd.

GYMNOSPERMS

Cupressaceae

- Juniperus communis* L. var. *depressa* Pursh (75) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4900-13,971'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; amd, asp, bcp, lpp, mcw, mtg, oks, ppw, rwl, sgp.
- Juniperus monosperma* (Engelm.) Sarg. (42) CU, FN, HF, LA, PE; 4900-7900'; EFH, HPD, SCR, WMT; oks, pjw, sgp.
- Juniperus scopulorum* Sarg. (93) AL, CF, CT, FN, HF, LA, PE, SH; 4900-10,400'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; mcw, oks, pjw, ppw, sgb, sgp.

Pinaceae

- Abies concolor* (Gord. & Glend.) Lindl. ex Hildebr. var. *concolor* (59) AL, CF, CT, CU, FN, HF, LA, PE, SH; 7000-10,700'; BMP, CLR, EFH, SCR, SLV, WMT; asp, bcp, lpp, mcw, oks, ppw, rwl, sgp.
- Abies lasiocarpa* (Hook.) Nutt. var. *arizonica* (Merriam) Lemmon (14) CT, CU, FN, HF, LA, PE, SH; 8400-12,800'; CLR, SCR, WMT; asp, bcp, mcw, rwl.
- Abies lasiocarpa* (Hook.) Nutt. var. *lasiocarpa* (9) AL, CT, CU, HF, LA, PE, SH; 7200-11,800'; CLR, SCR, WMT; asp, mcw.
- Picea engelmannii* Parry ex Engelm. (37) AL, CF, CT, CU, HF, LA, PE, SH; 8350-12,400'; BMP, CLR, SCR, SLV, WMT; asp, bcp, lpp, mcw, ppw, rwl.
- Picea pungens* Engelm. (21) CU, FN, HF, LA, PE, SH; 8000-12,800'; BMP, CLR, SCR, WMT; asp, bcp, mcw, ppw, rwl.
- Pinus aristata* Engelm. (33) AL, CF, CT, CU, FN, HF, LA, PE, SH; 9300-12,200'; BMP, CLR, SCR, WMT; asp, bcp, lpp, mcw.
- Pinus contorta* Dougl. ex Loud. var. *latifolia* Engelm. ex Wats. (10) CF, CU, HF, SH; 8830-11,600'; BMP, CLR, SCR; asp, lpp, mcw, ppw.
- Pinus edulis* Engelm. (115) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4900-10,600'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; lpp, mcw, oks, pjw, ppw, sgb, sgp.
- Pinus flexilis* James (32) AL, CF, CT, CU, FN, HF, LA, PE, SH; 8300-11,800'; BMP, CLR, SCR, SLV, WMT; asp, bcp, mcw, rwl.
- Pinus ponderosa* P. & C. Lawson (75) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4900-10,000'; BMP, CLR, EFH, HPD, SCR, WMT; asp, bcp, mcw, oks, pjw, ppw, sgb.
- Pseudotsuga menziesii* (Mirb.) Franco var. *glauca* (Beissn.) Franco (70) AL, CF, CT, CU, FN, HF, LA, PE, SH; 6300-11,800'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, bcp, lpp, mcw, oks, pjw, ppw, rwl, sgb.

ANGIOSPERMS

Aceraceae

Acer glabrum Torr. var. *glabrum* (55) AL, CF, CU, FN, HF, LA, PE; 7000-11,600'; BMP, CLR, EFH, SCR, SCR, SLV; asp, dst, mcw, mwl, oks, pjw, ppw, rwl.

Acer negundo L. var. *interius* (Britt.) Sarg. (7) HF, LA, PE; 5870-7600'; CLR, EFN, WMT; dst, pjw, rwl, sgp.

Acer negundo L. var. *violaceum* (Kirchn.) Jacq. (9) CT, HF, LA, PE; 5850-10,000'; CLR, EFH; dst, mcw, oks, pjw, rwl, sgp.

Acer saccharinum L. (1) PE; 5800'; EFH; dst.

Adoxaceae

Adoxa moschatellina L. (2) CU, LA; 11,750-12,400'; CLR, WMT; amd.

Agavaceae

Yucca baccata Torr. var. *baccata* (2) HF, LA; 6500-7000'; EFH; pjw.

Yucca glauca Nutt. var. *glauca* (46) CF, CU, FN, HF, LA, PE, SH; 4900-10,400'; dst, gwd, mcw, oks, pjw, ppw, sgp.

Alismataceae

Alisma gramineum Lej. (1) PE; 6800'; mwl.

Alisma triviale Pursh (1) LA; 8600-8700'; EFH; mwl.

Amaranthaceae

Amaranthus albus L. (1) FN; 8000-8800'; SCR; rwl.

Amaranthus blitoides Wats. (4) LA, SH; 6600-9000'; EFH, SLV; dst, rwl, sgp.

**Amaranthus retroflexus* L. (7) AL, LA, PE, CU, FN; 5100-8030'; EFH, HPD, SLV; dst, pjw, rwl.

Anacardiaceae

Rhus trilobata Nutt. var. *pilosissima* Engelm. (7) CU, FN, LA, PE; 4800-8500'; EFH; dst, pjw, sgp.

Rhus trilobata Nutt. var. *trilobata* (85) CF, CU, FN, LA, PE, HF, SH; 4800-10,000'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, dst, mcw, mwl, pjw, ppw, rwl, sgp.

Toxicodendron rydbergii (Small ex Rydb.) Greene (10) CU, FN, LA, PE; 5450-8000'; EFH, HPD, WMT; dst, mcw, oks, pjw, ppw, rwl.

Apiaceae

Angelica grayi (Coul. & Rose) Coul. & Rose (23) AL, CT, CU, FN, HF, LA, SH; 8800-13,970'; BMP, CLR, SCR, WMT; amd, asp, mcw, mwl.

**Berula erecta* (Huds.) Cov. var. *incisa* (Torr.) Cronq. (1) HF; 6450'; EFH; mwl.

**Carum carvi* L. (9) CU, CT, FN, LA; 6800-8900'; CLR, HPD, SCR; dst, mwl, oks, pjw, ppw, rwl.

Cicuta maculata L. var. *angustifolia* Hook. (6) CT, LA, PE, SH; 5450-8000'; EFH, SLV; dst, mwl, rwl.

Conioselinum scopulorum (Gray) Coult. & Rose (9) CT, CU, FN, HF, PE; 8000-11,800'; CLR, SCR, WMT; asp, mcw, mwl, oks.

**Conium maculatum* L. (8) CT, CU, FN, HF, PE; 8000-11,800'; CLR, EFH, HPD; asp, mwl, oks, rwl.

Cymopterus acaulis (Pursh) Raf. var. *acaulis* (25) FN, HF, LA, PE; 4800-7900'; EFH, HPD; pjw, sgp.

Cymopterus alpinus Gray (15) AL, CF, CT, LA, SH; 8600-14,042'; BMP, CLR, SCR; amd, bcp, mcw, mtg.

Cymopterus anisatus Gray (2) FN, SH; 7400-8000'; SLV, WMT; oks, ppw.

Cymopterus bakeri (Coult. & Rose) Jones (35) AL, CT, CU, HF, LA, PE, SH; 10,300-14,064'; BMP, CLR, SCR, WMT; amd, mcw.

Cymopterus lemmonii (Coult. & Rose) Dorn (119) AL, CF, CT, CU, FN, HF, LA, PE, SH; 7250-13,971'; BMP, CLR, EFH, HPD, SCR, WMT; amd, asp, bcp, dst, mcw, mtg, oks, pjw, ppw, rwl, sgb.

Cymopterus longilobus (Rydb.) W. A. Weber (8) CU, HF, LA; 8760-13,200'; CLR, SCR, WMT; amd, asp, mcw.

Cymopterus montanus T. & G. (13) FN, HF, LA, PE; 4700-7410'; EFH, HPD; gwd, oks, pjw, sgp.

Cymopterus nova T. & G. (1) HF; 8400-8800'; WMT; ppw.

Harbouria trachypleura (Gray) Coult. & Rose (6) FN, LA; 6000-7180'; EFH, WMT; oks, pjw.

Heracleum sphondylium L. var. *lanatum* (Michx.) Dorn (32) CF, CT, CU, FN, HF, LA, PE, SH; 6600-11,000'; BMP, EFH, SCR, WMT; amd, asp, dst, mcw, mtg, mwl, oks, ppw, rwl.

Ligusticum porteri Coult. & Rose var. *porteri* (20) AL, CU, HF, LA, PE; 6600-12,683'; CLR, EFH, SCR, WMT; amd, asp, dst, mcw, mtg, mwl, oks, ppw, rwl.

!*Neoparrya lithophila* Math. (13) CF, FN, SH; 7600-9800'; SCR, SLV; dsc, mtg, pjw, ppw.

Osmorhiza chilensis H. & A. (5) CU, FN, PE; 7800-9400'; SCR, WMT; mcw, ppw, rwl.

Osmorhiza depauperata Phil. (38) CF, CT, CU, HF, LA, PE, SH; 8200-11,600'; BMP, CLR, SCR, WMT; asp, bcp, mcw, mtg, pjw, ppw, rwl.

Osmorhiza longistylis (Torr.) DC. (2) LA; 7600-8600'; EFH; oks, pjw.

Oxypolis fendleri (Gray) Heller (56) AL, CF, CT, CU, FN, HF, LA, PE, SH; 7200-12,800'; BMP, CLR, HPD, SCR, WMT; amd, asp, bcp, mcw, mtg, mwl, rwl.

Podistera eastwoodiae (Coult. & Rose) Math. & Const. (5) CT, CU, HF, PE; 9200-13,400'; CLR, WMT; amd, mtg.

Sanicula marilandica L. (5) HF, PE; 6600-9300'; SCR, WMT; mcw, oks, ppw, rwl.

Apocynaceae

Apocynum androsaemifolium L. (12) CU, FN, HF, LA, PE, SH; 6800-10,000'; BMP, EFH, SCR, WMT; asp, dst, mcw, oks, ppw, rwl.

Apocynum cannabinum L. (4) FN, LA, SH; 5870-8700'; EFH, HPD, SLV, WMT; mcw, pjw, rwl.

Apocynum floribundum Greene (5) CU, HF, PE, SH; 4900-9670'; CLR, EFH, SLV, WMT; asp, dst, oks, pjw, ppw, rwl.

Araliaceae

Aralia nudicaulis L. (10) CU, FN, PE; 6600-9600'; SCR, WMT; mcw, mwl, ppw, rwl.

Asclepiadaceae

Asclepias arenaria Torr. (2) HF, LA; 5800-6000'; EFH; dst, oks, pjw.

Asclepias asperula (Dcne.) Woods. var. *asperula* (19) CU, FN, HF, LA, PE; 4900-8400'; EFH; dst, pjw, sgp.

Asclepias engelmanniana Woods. (2) PE; 5450-5800'; EFH; dst, sgp.

Asclepias latifolia (Torr.) Raf. (1) LA; 6000'; EFH; pjw, sgp.

Asclepias pumila (Gray) Vail (4) FN, HF, PE; 5450-6000'; EFH, dst, pjw, sgp.

Asclepias speciosa Torr. (21) CT, CU, FN, HF, LA, PE, SH; 4900-9300'; CLR, EFH, HPD, SLV, WMT; dst, mwl, pjw, rwl, sgp.

Asclepias subverticillata (Gray) Vail (16) FN, HF, LA, PE; 5300-6700'; EFH; dst, mwl, oks, pjw, sgp.

Asclepias tuberosa L. var. *interior* (Woods.) Shinnars (2) PE. 7200-8400'; WMT; dst.

! *Asclepias uncialis* Greene (2) HF; 7050-7900'; HPD; pjw, sgp.

Asclepias viridiflora Raf. (3) FN, PE; 5400-8400'; EFH, WMT; pjw, rwl, sgp.

! *Sarcostemma crispum* Benth. (1) LA, 6700'; EFH; dst.

Asteraceae

Achillea millefolium L. var. *lanulosa* (Nutt.) Piper (100) AL, CF, CT, CU, FN, HF, LA, PE, SH; 5700-13,200'; CLR, EFH, HPD, SCR, SLV, WMT; amd, asp, bcp, mcw, mtg, mwl, oks, pjw, ppw, sgp, rwl.

Agoseris aurantiaca (Hook.) Greene var. *aurantiaca* (9) CT, CU, HF, LA, SH; 7600-12,800'; BMP, EFH, SCR, WMT; amd, asp, mcw.

Agoseris aurantiaca (Hook.) Greene var. *purpurea* (A. Gray) Cronq. (7) AL, CU, HF; 9050-12,800'; SCR, WMT; amd, mcw.

Agoseris glauca (Pursh) Raf. var. *dasycephala* (T. & G.) Jeps. (31) CF, CT, FN, HF, LA, SH; 6520-13,971'; BMP, CLR, EFH, HPD, SCR, WMT; amd, asp, bcp, dst, mcw, mtg, oks, pjw, ppw, rwl, sgb.

Agoseris glauca (Pursh) Raf. var. *glauca* (3) CT, CU, FN; 6000-8800'; BMP, CLR, SCR; dst, pjw, rwl, sgb.

Agoseris glauca (Pursh) Raf. var. *laciniata* (D. C. Eat.) Smiley (15) CF, CT, FN, HF, PE, SH, 5800-12,200'; EFH, SLV, WMT; amd, asp, bcp, mcw, oks, pjw, ppw, rwl, sgp.

Ambrosia acanthicarpa Hook. (4) AL, CF, CT, FN; 6800-7800'; SCR, SLV; dst, pjw.

Ambrosia artemisiifolia L. (2) FN, PE; 6000-7350'; EFH, HPD; pjw, sgp.

Ambrosia confertifolia DC. (6) CU, HF, LA; 6000-7620'; EFH, HPD; dst, oks, rwl, sgp.

Ambrosia psilostachya DC. (2) FN, LA; 5650-10,000'; CLR, EFH; dst, mtg, sgp.

Ambrosia tomentosa Nutt. (4) HF; 6000-8500'; EFH, HPD; mtg, mwl, sgp.
 **Ambrosia trifida* L. var. *trifida* (7) FN, HF, LA, PE; 5650-7200'; EFH; dst, mwl, rwl, sgp.
Anaphalis margaritacea (L.) Benth. & Hook. (3) CT, CU; 8600-9700'; CLR, WMT; asp, dst, mcw.
Antennaria anaphaloides Rydb. (11) CF, CU, HF, PE; 10,000-13,200'; BMP, CLR, SCR, WMT; amd, mcw, mtg, rwl.
Antennaria howellii Greene ssp. *howellii* (4) CU, LA, PE; 7360-9600'; CLR, SCR, WMT; mcw, oks, ppw, rwl.
Antennaria marginata Greene (15) CF, CU, HF, LA, PE, SH; 7350-12,683'; BMP, CLR, HPD, SCR, WMT; amd, asp, mcw, ppw, rwl.
Antennaria media Greene (7) CT, CU, FN, HF, PE; 10,600-13,517'; CLR, SCR, WMT; amd, mtg.
Antennaria microphylla Rydb. (29) AL, CT, CU, FN, HF, LA, SH; 7100-13,971'; BMP, CLR, SCR, SLV, WMT; amd, asp, bcp, mcw, mtg, oks, ppw, sgb.
Antennaria neglecta Greene (11) CF, CU, FN, LA, PE; 7400-12,800'; CLR, SCR, WMT; amd, dst, mcw, oks, pjw, ppw.
Antennaria parvifolia Nutt. (80) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4900-12,200'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; amd, asp, dst, mcw, mtg, oks, pjw, ppw, sgb, rwl.
Antennaria rosea Greene (37) AL, CF, CU, FN, HF, LA, PE, SH; 5800-12,579'; BMP, EFH, HPD, SCR, WMT; amd, asp, bcp, dst, mcw, pjw, ppw, rwl, sgb.
Antennaria rosulata Rydb. (2) SH; 8800-9000'; SLV; mcw, mtg, sgb.
Antennaria umbrinella Rydb. (9) CF, CT, CU, HF, SH; 7200-13,000'; BMP, CLR, HPD, SCR, WMT; amd, mcw, pjw.
 **Arctium minus* Bernh. (2) LA; 7200-8500'; CLR, EFH; dst, oks, rwl.
Arnica cordifolia Hook. (57) CF, CT, CU, FN, HF, LA, PE, SH; 7500-12,800'; BMP, CLR, SCR, WMT; amd, asp, lpp, mcw, mtg, ppw, rwl.
Arnica mollis Hook. (3) CU, HF; 10,600-12,800'; SCR; amd, mcw.
Arnica parryi Gray var. *parryi* (1) SH; 11,000'; SCR; mcw.
Arnica rydbergii Greene (1) SH; 11,600-12,574'; BMP; amd.
Artemisia campestris L. var. *borealis* (Pall.) Peck (1) CU; 11,000-12,620'; SCR; amd.
Artemisia campestris L. var. *caudata* (Michx.) Palmer & Steyerm. (1) SH; 8200; SLV; sgb.
Artemisia campestris L. var. *pacifica* (Nutt.) M. E. Peck (15) AL, CF, CT, FN, HF, LA, SH; 7200-13,400'; BMP, CLR, EFH, SCR, SLV, WMT; amd, oks, pjw, ppw, sgb.
Artemisia campestris L. var. *purshii* (Hook.) Cronq. (9) CU, HF, SH; 10,500-14,064'; CLR, SCR; amd, mcw.
Artemisia campestris L. var. *scouleriana* (Bess.) Cronq. (3) CU, HF; 7900-10,200'; CLR, HPD, WMT; dst, mcw, mtg, ppw.
Artemisia carruthii A. W. Wood. Ex. Carruth. (5) CU, SH; 8200-9800'; BMP, HPD, SLV, WMT; dst, mtg.
Artemisia dracuncululus L. (9) CT, CU, LA, SH; 6800-9400'; BMP, CLR, EFH, SLV; dst, oks, pjw.

Artemisia franserioides Greene (7) AL, CF, CT, CU, LA, SH; 8400-10,800'; CLR, SCR, WMT; asp, dst, mcw.

Artemisia frigida Willd. (19) AL, CF, CT, FN, HF, LA, SH; 6500-9800'; BMP, CLR, EFH, HPD, SCR, SLV; dst, mcw, mtg, oks, pjw, ppw, sgb, sgp.

Artemisia ludoviciana Nutt. var. *albula* (Woot.) Shinnars (1) HF; 6800-7200'; EFH; pjw.

Artemisia ludoviciana Nutt. var. *incompta* (Nutt.) Cronq. (6) CF, CT, CU, SH; 7700-9600'; SCR, SLV, WMT; dst.

Artemisia ludoviciana Nutt. var. *ludoviciana* (21) AL, CF, CT, CU, FN, HF, LA, SH; 6500-13,800'; CLR, EFH, HPD, SCR; amd, dst, mcw, oks.

Artemisia michauxiana Bess. (1) CU; 12,000'; SCR; amd.

Artemisia norvegica Fries var. *saxatilis* (Bess.) Jeps. (4) CF, SH; 11,000-12,000'; BMP; amd, bcp.

Artemisia parryi A. Gray (4) CU, HF, LA, SH; 11,000-12,574'; BMP, CLR, SCR, WMT; amd, bcp, mcw, mtg.

Artemisia scopulorum Gray (23) AL, CT, CU, HF, LA, PE, SH; 11,000-14,064'; BMP, CLR, SCR, WMT; amd.

Artemisia tridentata Nutt. var. *vaseyana* (Rydb.) Boivin (7) CF, CT; 7800-9300'; CLR, SCR, SLV; dst, pjw, ppw, sgb.

Aster ascendens Lindl. (8) FN, LA, PE, SH; 5300-8800'; CLR, EFH, SCR, SLV, WMT; dst, rwl.

Aster falcatus Lindl. var. *commutatus* (T. & G.) A. G. Jones (2) CT, LA; 6500-7900'; EFH, SLV; dst, oks.

Aster falcatus Lindl. var. *falcatus* (1) CU; 8400-8800'; WMT; mcw, mtg.

Aster foliaceus Lindl. ex DC. var. *canbyi* Gray (2) CU, FN; 7800-11,000'; SCR; mcw.

Aster foliaceus Lindl. ex DC. var. *parryi* (D. C. Eat.) Gray (1) LA; 7250'; EFH; ppw, rwl.

Aster laevis L. var. *geyeri* A. Gray (4) CU, FN, HF; 7800-9400'; CLR, SCR, WMT; dst, mcw.

Aster occidentalis (Nutt.) T. & G. var. *occidentalis* (2) SH; 8000-9000'; SLV; dst, oks.

Baccharis salicina T. & G. (1) FN; 5100'; EFH; pjw.

Bahia dissecta (Gray) Britt. (12) CU, FN, HF, LA, SH; 8000-10,380'; BMP, CLR, SCR, SLV, WMT; dst, mcw, ppw.

Bidens tenuisecta Gray (1) LA; 5900'; EFH; sgp.

Brickellia brachyphylla (A. Gray) A. Gray (1) LA; 5900'; EFH; sgp.

Brickellia californica (T. & G.) Gray (3) FN, HF, PE; 6800-9000'; SCR, WMT; mcw, pjw.

Brickellia eupatorioides (L.) Shinnars var. *chlorepis* (Woot. & Standl.) B. L. Turner (3) LA, SH; 6000-9300'; EFH, SLV; sgp.

Brickellia grandiflora (Hook.) Nutt. var. *grandiflora* (13) CF, CT, CU, FN, LA, SH; 6800-11,300'; BMP, CLR, EFH, SCR, SLV, WMT; asp, dst, mcw, pjw, rwl.

**Carduus nutans* L. (9) CT, CU, HF, LA, PE; 4900-8800'; CLR, EFH, SLV, WMT; dst.

**Centaurea diffusa* Lam. (3) FN, LA; 6600-7350'; EFH, SCR; pjw, rwl, sgp.
 **Centaurea repens* L. (1) CT; 7900'; SLV; dst.
Chaenactis alpina (Gray) Jones var. *alpina* (5) CT, LA, SH; 11,200-12,800'; SCR; amd, bcp.
Chaenactis douglasii (Hook.) H. & A. var. *montana* Jones (25) CF, CT, FN, HF, SH; 6300-10,800'; BMP, EFH, SCR, SLV; asp, mcw, oks, pjw, sgb.
Chaetopappa ericoides (Torr.) Nesom (54) CT, CU, FN, HF, LA, PE, SH; 4800-9400'; EFH, HPD, SLV, WMT; dst, gwd, oks, pjw, ppw, sgp.
 **Chrysanthemum leucanthemum* L. (5) CU, HF; 7400-8900'; CLR, WMT; asp, dst, mcw, oks, ppw.
Chrysothamnus greenii (Gray) Greene (9) AL, CF, CT, FN, SH; 6700-9300'; SCR, SLV; dst, pjw, sgb, sgp.
Chrysothamnus nauseosus (Pall. ex Pursh) Britt. var. *glabrata* (A. Nels.) Neesom & G. I. Baird (5) CF, FN, SH; 5650-9600'; EFH, HPD, SCR; dst, oks, pjw, sgp.
Chrysothamnus nauseosus (Pall. ex Pursh) Britt. var. *leiospermus* (Gray) Hall (6) CF, FN, SH; 7000-9400'; SCR, SLV; dst, pjw, rwl.
Chrysothamnus nauseosus (Pall. ex Pursh) Britt. var. *nauseosus* (1) CF; 7200-7800'; SCR; pjw.
Chrysothamnus nauseosus (Pall. ex Pursh) Britt. var. *oreophilus* (A. Nels.) Hall (2) AL, SH; 8030-9600'; SCR, SLV; pjw.
Chrysothamnus parryi (Gray) Greene var. *howardii* (Parry ex Gray) T. Kitt. (10) CF, FN, SH; 6700-9800'; BMP, SCR, SLV; mtg, pjw.
Chrysothamnus parryi (Gray) Greene var. *parryi* (2) FN, SH; 8150-9000'; BMP; mcw, oks.
Chrysothamnus viscidiflorus (Hook.) Nutt. var. *lanceolatus* (Nutt.) Greene (4) SH; 8200-9400'; BMP, SLV; dst, oks.
Chrysothamnus viscidiflorus (Hook.) Nutt. var. *viscidiflorus* (3) CF, CU, FN; 7200-9100'; SCR; mtg.
 **Cichorium intybus* L. (2) CU, FN; 5300-8800'; EFH, WMT; dst.
 **Cirsium arvense* (L.) Scop. (20) CT, CU, FN, HF, LA, PE, SH; 4900-10,000'; CLR, EFH, HPD, SCR, SLV, WMT; dst, mcw, mtg, mwl, pjw, ppw, rwl.
Cirsium canescens Nutt. (17) CU, HF, PE; 5540-10,000'; EFH, HPD, SCR, WMT; asp, dst, mcw, mtg, pjw, ppw, rwl.
Cirsium ochrocentrum Gray (1) HF; 6000'; EFH; dst.
Cirsium pallidum Woot. & Standl. (8) CT, LA, HF; 8400-11,400'; CLR; mcw, mtg.
Cirsium parryi (Gray) Petr. ssp. *parryi* (10) CT, CU, FN, LA, SH; 7800-11,000'; SCR, SLV, WMT; asp, mcw, pjw, ppw, rwl.
Cirsium scopulorum (Greene) Cockrell ex. Daniels (18) AL, CT, CU, FN, HF, LA, SH; 7800-11,000'; CLR, SCR, WMT; amd, mcw.
Cirsium undulatum (Nutt.) Spreng. var. *tracyi* (Rydb.) S. L. Welsh (1) CU; 8400-9400'; HPD; mcw.
Cirsium undulatum (Nutt.) Spreng. var. *undulatum* (42) FN, HF, LA, PE, SH; 4900-8800'; CLR, EFH, HPD, SCR; SLV; dst, oks, pjw, ppw, rwl, sgp.
 **Cirsium vulgare* (Savi) Tenore (3) FN, LA; 7000-7400'; EFH, SCR; oks, pjw, ppw, rwl.

Conyza canadensis (L.) Cronq. var. *canadensis* (10) CT, FN, LA, PE; 5650-7950'; EFH, SLV; dst, gwd, ppw, rwl, sgp.
Cosmos parviflorus (Jacq.) Pers. (2) LA; 6600-7250'; EFH; ppw, mtg, rwl.
Crepis occidentalis Nutt. var. *costata* Gray (1) HF; 6800'; EFH; pjw.
Crepis runcinata (James) T. & G. var. *runcinata* (8) CT, HF, LA, PE, SH; 8000-12,100'; CLR, EFH, SLV, WMT; amd, mcw, mwl, ppw, rwl.
Dugaldia hoopesii (Gray) Rydb. (18) CT, HF, LA, PE, SH; 8000-12,800'; CLR, SCR, WMT; asp, mcw, mtg.
Dyssodia papposa (Vent.) Hitchc. (4) CF, HF, LA, SH; 6000-8500'; EFH, SCR, SLV; dst, pjw.
Ericameria discoidea (Nutt.) Nesom var. *discoidea* (6) CF, FN, SH; 10,400-12,200'; BMP, SCR; amd, dst, lpp, mcw.
Erigeron acris L. var. *debilis* Gray (1) CF; 11,000-11,300'; SCR; dst.
Erigeron bellidiastrum Nutt. var. *bellidiastrum* (2) CU, PE; 5450-8500'; EFH, HPD; pjw, sgp.
Erigeron canus Gray (35) CF, CT, FN, HF, LA, PE, SH; 4800-9400'; EFH, HPD, SCR, SLV, WMT; dst, mcw, mtg, oks, pjw, ppw, rwl, sgp.
Erigeron colomexicanus A. Nels. (40) CU, FN, HF, LA, PE; 5200-8900'; EFH, HPD, WMT; dst, gwd, mcw, oks, pjw, ppw, rwl, sgp.
Erigeron compositus Pursh var. *discoideus* Gray (10) AL, CF, CT, HF, SH; 8400-12,200'; BMP, HPD, SCR, SLV; amd, asp, mcw, rwl.
Erigeron coulteri Porter (17) CT, CU, HF, LA, SH; 9300-12,800'; CLR, SCR; amd, asp, mcw, rwl.
Erigeron divergens T. & G. var. *divergens* (48) AL, CT, CU, FN, HF, LA, PE, SH; 4900-8900'; CLR, EFH, HPD, SLV, WMT; dst, oks, pjw, ppw, sgp, sgb.
Erigeron eatonii Gray var. *eatonii* (1) SH; 9000'; SLV; bcp, mcw.
Erigeron elatior (Gray) Greene (3) CS, SH; 11,000-11,800'; SCR; bcp, mcw.
Erigeron engelmannii A. Nels. var. *engelmannii* (1) SH; 8700-8900'; SLV; dsc.
Erigeron eximius Greene (13) CF, CT, FN, HF, SH; 8150-11,400'; BMP, CLR, SCR, WMT; bcp, mcw, ppw.
Erigeron flagellaris Gray (132) AL, CF, CU, FN, HF, LA, PE, SH; 5500-11,800'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, dst, lpp, mcw, mtg, oks, pjw, ppw, rwl, sgp.
Erigeron formosissimus Greene var. *formosissimus* (23) CF, CT, CU, HF, LA, PE, SH; 6700-13,626'; BMP, CLR, EFH, SCR, WMT; amd, asp, dst, mcw.
Erigeron formosissimus Greene var. *viscidus* (Rydb.) Cronq. (2) LA; 10,000-10,200'; CLR; mcw, mtg.
Erigeron glabellus Nutt. var. *glabellus* (1) CU; 8100'; HPD; mtg, mwl.
Erigeron grandiflorus Hook. (3) CT, CU, FN; 10,600-13,517'; CLR, SCR; amd, mcw.
Erigeron leiomerus Gray (7) AL, CT, CU, FN, HF, SH; 10,100-13,200'; SCR; amd, mcw.
Erigeron melanocephalus (A. Nels.) A. Nels. (13) AL, CT, CU, HF, SH; 10,900-13,971'; BMP, CLR, SCR; amd, bcp, mcw.
Erigeron peregrinus (Banks ex Pursh) Greene ssp. *callianthemus* (Greene) Cronq. (10) CT, CU, FN, SH; 8200-12,800'; BMP, CLR, SCR; amd, asp, lpp, mcw.

Erigeron pinnatisectus (Gray) A. Nels. (28) AL, CF, CT, CU, HF, SH; 8700-14,064'; BMP, CLR, SCR, WMT; amd, bcp, mcw.

Erigeron pumilus Nutt. var. *concinus* (H. & A.) Dorn (1) PE; 5800-5850'; EFH; pjw, sgp.

Erigeron pumilus Nutt. var. *pumilus* (42) CT, CU, FN, PE, SH; 4900-9200'; EFH, HPD, SCR, SLV; mcw, oks, pjw, ppw, sgb, sgp.

Erigeron simplex Greene (24) AL, CF, CT, CU, HF, LA, PE, SH; 8800-14,064'; BMP, CLR, SCR, WMT; amd, bcp, mcw.

Erigeron speciosus (Lindl.) DC. (3) CT, LA; 8400-10,380'; CLR, SCR; asp, dst, mcw.

Erigeron subtrinervis Rydb. ex Porter & Britt. var. *subtrinervis* (33) AL, CF, CT, CU, FN, HF; 7600-12,200'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; amd, dst, mcw, oks, pjw, ppw, sgb.

Erigeron ursinus D. C. Eat. (1) SH; 11,600-12,574'; BMP; amd.

Erigeron vagus Payson (6) CT, LA; 11,900-13,517'; CLR, SCR; amd.

Erigeron vetensis Rydb. (51) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4900-12,400'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; amd, asp, gwd, mcw, oks, pjw, ppw, rwl, sgb, sgp.

Eupatorium herbaceum (Gray) Greene (1) SH; 7650-8500'; SLV; dsc.

Gaillardia aristata Pursh (19) CU, FN, HF, LA; 7000-10,300'; CLR, EFH, HPD, SCR, WMT; asp, dst, oks, mcw, mtg, pjw, ppw, rwl.

Gaillardia pinnatifida Torr. (38) FN, HF, PE; 4900-8400'; EFH, HPD, WMT; dst, oks, pjw, sgp.

Gnaphalium wrightii Gray (1) HF; 7200-7800'; EFH; pjw.

Grindelia inornata Greene (9) AL, CT, CU, FN, HF, LA, PE; 6000-8030'; EFH, HPD, SLV; dst, oks, pjw.

Grindelia nuda Wood var. *aphanactis* (Rydb.) Nesom (3) CU, FN, LA; 5650-6450'; EFH; dst, gwd, oks, sgp.

Grindelia revoluta Steyerl. (7) CT, HF, LA, PE, SH; 5660-10,000'; CLR, EFH, SCR; dst, mtg, mwl, sgp.

Grindelia squarrosa (Pursh) Dunal var. *quasiperennis* Lunell (6) CF, LA; 6400-8500'; CLR, EFH, SCR; dst, oks, pjw.

Grindelia squarrosa (Pursh) Dunal var. *squarrosa* (1) LA; 8800'; CLR; ppw.

Grindelia subalpina Greene (3) LA; 6700-8500'; CLR, EFH; dst, ppw, rwl.

Gutierrezia sarothrae (Pursh) Britt. & Rusby (19) AL, CF, CT, FN, HF, LA, SH; 5100-9800'; BMP, EFH, HPD, SCR, SLV; dsc, dst, oks, pjw, sgp.

Haplopappus pygmaeus (T. & G.) Gray (29) AL, CF, CT, HF, LA, SH; 8800-14,064'; BMP, CLR, SCR, WMT; amd.

Haplopappus spinulosus (Pursh) DC. var. *spinulosus* (1) CT; 8300'; SLV; mwl, pjw.

Helianthella parryi Gray (12) CT, HF, LA, SH; 8400-12,800'; CLR, SLV; amd, asp, mcw, mtg.

Helianthella quinquenervis (Hook.) Gray (9) CU, FN, HF, LA, SH; 8600-12,700'; BMP, EFH, SCR; asp, mcw.

Helianthus annuus L. (11) FN, LA, PE; 5100-8500'; CLR, EFH, HPD; dst, gwd, oks, pjw, sgp.

Helianthus nuttallii T. & G. ssp. *nuttallii* (2) CT, LA; 7200-7900'; EFH, SLV; dst.
Helianthus petiolaris Nutt. var. *petiolaris* (26) AL, CT, CU, FN, HF, LA, PE, SH;
 4900-9300'; CLR, EFH, HPD, SCR, SLV; dst, gwd, oks, pjw, rwl, sgp.
Helianthus pumilus Nutt. (17) CU, FN; 6300-13,200'; HPD, SCR, WMT; amd,
 mcw, oks, pjw, ppw.
Heliopsis helianthoides (L.) Sweet var. *scabra* (Dunal) Fernald. (5) HF, LA; 7080-
 9300'; CLR, EFH, WMT; oks, ppw, rwl.
 !*Herrickia horrida* Woot. & Standl. (4) LA; 6900-10,380'; CLR, EFH; mcw.
Heterotheca canescens (DC.) Shinnery (1) LA; 6500'; EFH; oks.
Heterotheca fulcrata (Greene) Shinnery var. *amplifolia* (Rydb.) Semple (7) CU,
 FN, PE, SH; 7050-12,574'; BMP, HPD, SCR, WMT; amd, dst, mcw.
Heterotheca pumila (Greene) Semple (5) CF, CU, LA, PE, SH; 7200-12,620';
 BMP, EFH, SCR, WMT; amd, lpp, mcw.
Heterotheca villosa (Pursh) Shinnery var. *foliosa* (Nutt.) Harms (2) CU, PE; 4900-
 9200'; EFH, SCR; dst, ppw.
Heterotheca villosa (Pursh) Shinnery var. *hispida* (Hook.) Harms (15) CU, FN, LA,
 PE, SH; 5400-10,000'; EFH, HPD, SCR, SLV, WMT; mcw, pjw, ppw, sgp.
Heterotheca villosa (Pursh) Shinnery var. *minor* (Hook.) Semple (6) FN, HF, SH;
 6200-10,000'; BMP, HPD, SCR, WMT; dst, pjw, ppw.
Heterotheca villosa (Pursh) Shinnery var. *nana* (Gray) Semple (24) AL, CF, CT,
 CU, FN, HF, LA, PE, SH; 5450-11,750'; EFH, HPD, SCR, SLV, WMT; amd,
 dsc, dst, gwd, mcw, pjw, sgb, sgp.
Heterotheca villosa (Pursh) Shinnery var. *villosa* (11) FN, HF, LA, PE, SH; 5200-
 9600'; CLR, EFH, SCR, SLV; asp, dst, mcw, oks, pjw, sgp.
Hieracium albiflorum Hook. (5) FN, PE; 6600-9600'; SCR, WMT; mcw, ppw.
Hieracium fendleri Schultz-Bip. var. *fendleri* (2) HF, LA; 7600-9800'; EFH, HPD;
 ppw.
Hieracium gracile Hook. var. *gracile* (5) CU, HF, SH; 7200-12,000'; HPD, SCR;
 amd, mcw.
Hymenopappus filifolius Hook. var. *cinereus* (Rydb.) I. M. Johnst. (57) CF, CT,
 CU, FN, HF, LA, PE, SH; 5200-9500'; EFH, HPD, SCR, SLV, WMT; asp, dst,
 gwd, oks, pjw, ppw, rwl, sgb, sgp.
Hymenopappus filifolius Hook. var. *parvulus* (Greene) Turner (1) FN; 5100'; EFH;
 pjw.
Hymenopappus flavescens Gray. var. *flavescens* (4) AL, HF, LA, PE; 4800-8030';
 EFH, SLV; oks, pjw.
Hymenopappus newberryi (Gray) I. M. Johnst. (2) CU; 8350-8800'; WMT; dst,
 mcw.
Hymenopappus polycephalus Osterh. (30) CT, CU, FN, HF, LA, PE, SH; 4900-
 8900'; EFH, HPD, SLV, WMT; dst, oks, pjw, ppw, rwl, sgb, sgp.
Hymenopappus tenuifolius Pursh (2) LA; 6000'; EFH; dst, pjw, sgp.
Hymenoxys acaulis (Pursh) Parker var. *acaulis* (33) CT, FN, HF, LA, PE, SH;
 4800-9400'; BMP, EFH, HPD, SCR, SLV; dst, oks, pjw, ppw, sgb, sgp.
Hymenoxys acaulis (Pursh) Parker var. *arizonica* (Greene) Parker (31) AL, CF, CU,
 FN, HF, LA, PE; 5100-9680'; BMP, EFH, HPD, SCR, WMT; mcw, oks, pjw,
 ppw, sgp.

Hymenoxys acaulis (Pursh) Parker var. *caespitosa* (A. Nels.) Parker (26) AL, CF, CT, CU, HF, SH; 7900-14,064'; BMP, CLR, SCR, SLV; amd, asp, mcw, mtg, pjw, ppw, rwl, sgb.

Hymenoxys brandegei (Porter ex Gray) Parker (29) AL, CT, CU, FN, LA, PE, SH; 8800-14,064'; CLR, SCR, WMT; amd, mcw, mtg.

Hymenoxys grandiflora (T. & G. ex Gray) Parker (4) CU, SH; 11,200-13,971'; BMP, SCR; amd, bcp, mcw.

! *Hymenoxys* × *helenioides* (Rydb.) Ckll. (1) CU; 8600; SCR; rwl.

Hymenoxys richardsonii (Hook.) Ckll. var. *floribunda* (Gray) Parker (57) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4900-11,800'; BMP, CLR, EFH, HPD, SCR, SLV; asp, dsc, dst, mcw, mtg, oks, pjw, ppw, rwl, sgb.

Iva axillaris Pursh var. *axillaris* (2) CU, HF; 6150-7620'; EFH, HPD; dst, sgp.

Iva xanthifolia Nutt. (3) CT, LA; 6600-7900'; EFH, SLV; dst, ppw.

Lactuca canadensis L. var. *longifolia* (Michx.) Farw. (2) FN, HF; 7600-9400'; SCR, WMT; mcw, ppw.

Lactuca oblongifolia Nutt. (9) CU, FN, LA, PE, SH; 5450-9800'; BMP, EFH, HPD, SCR, SLV; dst, mcw, rwl.

* *Lactuca serriola* L. (17) CT, FN, HF, LA, PE; 5450-9000'; EFH, HPD, SCR, SLV, WMT; dst, gwd, oks, sgp.

Liatris punctata Hook. var. *punctata* (5) FN, LA; 5100-7350'; EFH, HPD; oks, pjw, sgp.

Lygodesmia juncea (Pursh) D. Don ex Hook. (7) FN, HF, LA, PE; 5450-7700'; EFH, HPD; dst, pjw, ppw, rwl, sgp.

Machaeranthera bigelovii (Gray) Greene var. *bigelovii* (29) AL, CF, CT, CU, FN, HF, LA, PE, SH; 7000-11800'; BMP, CLR, HPD, SCR, SLV, WMT; asp, dst, mcw, pjw, ppw, rwl, sgb.

Machaeranthera canescens (Pursh) Gray var. *glabra* Gray (1) SH; 7700-8200'; SLV; dst.

Machaeranthera pinnatifida (Hook.) Shinners var. *pinnatifida* (14) CF, FN, HF, LA, PE, SH; 5450-8700'; EFH, SCR, SLV, WMT; dst, gwd, oks, pjw, sgp.

Machaeranthera tanacetifolia (H.B.K.) Nees (4) LA, PE; 4700-8100'; EFH, SCR, SLV; pjw, sgb, sgp.

* *Matricaria matricarioides* (Less.) Porter (2) CT, HF; 8700-8800'; CLR, SCR; sgb.

* *Matricaria perforata* Merat (1) PE; 11,800'; WMT; dst.

Melampodium leucanthum T. & G. (35) FN, HF, LA, PE; 4800-8400'; EFH, HPD, WMT; pjw, sgp.

Microseris nutans (Hook.) Schultz-Bip. (2) AL, HF; 7200-8030'; EFH, SLV; pjw, sgp.

Nothocalais cuspidata (Pursh) Greene (15) CU, HF, LA, PE; 4800-7400'; EFH, WMT; dst, pjw, ppw, sgp.

* *Onopordum acanthium* L. (6) HF, LA; 6500-7200'; EFH, HPD; dst, pjw, sgp.

! *Oonopsis foliosa* (Gray) Greene var. *foliosa* (3) HF; 6000-7400'; EFH; gwd, pjw, sgp.

! *Oonopsis foliosa* (Gray) Greene var. *monocephala* (A. Nels.) Kartesz & Gandhi (2) LA; 6000-6050'; EFH; gwd, pjw, sgp.

! *Oonopsis puebloensis* Brown & Evans (1) FN; EFH, pjw.

Pectis angustifolia Torr. var. *angustifolia* (1) LA; 6800'; EFH; pjw.
Pericome caudata Gray (3) FN, HF, SH; 6800-8700'; SCR, SLV, WMT; pjw.
Picradeniopsis oppositifolia (Nutt.) Rydb. ex Britt. (12) FN, HF, LA, PE; 5300-7600'; EFH; dst, gwd, oks, pjw, sgp.
Ratibida columnifera (Nutt.) Woot. & Standl. (20) CT, HF, LA, PE; 5450-11,400'; CLR, EFH, SCR; dst, gwd, oks, mcw, pjw, ppw, sgp, rwl.
Ratibida tagetes (James) Barnh. (1) LA; 6500'; EFH; dst.
Rudbeckia hirta L. var. *pulcherrima* Farwell (12) CU, HF, LA, PE; 8000-9350'; CLR, SCR, WMT; asp, dst, ppw, rwl.
Rudbeckia laciniata L. var. *ampla* (A. Nels.) Cronq. (12) CT, CU, FN, HF, LA, PE; 6600-9400'; CLR, EFH, SCR, WMT; asp, dst, mcw, rwl.
Schkuhria multiflora H. & A. (4) AL, FN, SH; 6700-9000'; SCR, SLV; dsc, dst, pjw.
**Scorzonera laciniata* L. (44) CU, FN, HF, LA, PE; 4800-7700'; EFH, WMT; dst, gwd, oks, pjw, ppw, sgp.
Senecio amplexans Gray var. *amplexans* (5) CF, CU; 9200-12,620'; BMP, SCR; amd, bcp, mcw.
Senecio amplexans Gray var. *holmii* (Greene) Harrington (21) AL, CF, CT, CU, FN, HF, LA, PE, SH; 8800-13,626'; BMP, CLR, SCR, WMT; amd, mcw.
Senecio atratus Greene (40) AL, CF, CT, CU, HF, LA, PE, SH; 8800-13,792'; BMP, CLR, SCR, WMT; amd, asp, bcp, lpp, mcw.
Senecio bigelovii Gray var. *hallii* Gray (14) CF, CT, CU, HF, SH; 7600-12,800'; BMP, CLR, EFH, SCR, WMT; amd, bcp, mcw.
Senecio crassulus Gray (8) CT, CU, LA, SH; 9200-12,800'; BMP, CLR, SCR, WMT; amd, asp, mcw, mtg.
Senecio dimorphophyllus Greene var. *dimorphophyllus* (14) AL, CT, CU, FN, HF, LA, SH; 10,300-12,800'; BMP, CLR, SCR; amd, bcp, lpp, mcw.
Senecio eremophilus Richards. var. *eremophilus* (1) LA; 10,000'; CLR; mtg.
Senecio eremophilus Richards. var. *kingii* (Rydb.) Greenm. (12) CF, CT, FN, HF, LA, SH; 7600-11,300'; BMP, CLR, EFH, SCR, SLV; dst, lpp, mcw, oks, sgb.
Senecio fendleri Gray (41) AL, CF, CT, CU, FN, HF, LA, PE, SH; 6300-11,000'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; amd, asp, bcp, dst, mcw, oks, pjw, ppw, rwl.
Senecio flaccidus Less. var. *douglasii* (DC.) Turner & T. M. Barkl. (3) FN; 5800-7000'; HPD, EFH; pjw.
Senecio fremontii T. & G. var. *blitoides* (Greene) Cronq. (6) AL, CT, FN, HF; 11,000-13,400'; CLR, SCR; amd.
Senecio integerrimus Nutt. var. *exaltatus* (Nutt.) Cronq. (4) HF, PE, SH; 4900-9600'; EFH, SCR, SLV, WMT; dst, mcw, mtg, ppw, sgb.
Senecio integerrimus Nutt. var. *integerrimus* (2) CT, LA; 10,000-11,400'; BMP, CLR; mcw, mtg.
Senecio neomexicanus Gray var. *mutabilis* (Greene) A. Nels. (29) CU, FN, HF, LA, PE, SH; 4900-11,200'; EFH, HPD, SCR, SLV, WMT; bcp, dst, lpp, mcw, mtg, pjw, ppw, rwl, sgp.
Senecio pseud aureus Rydb. var. *pseud aureus* (3) HF, SH; 8400-9600'; BMP, HPD, SLV; asp, mwl, ppw, rwl.

Senecio pudicus Greene (4) CF, SH; 8600-11,000'; SCR, SLV; dst, mcw.
Senecio serra Hook. var. *admirabilis* (Greene) A. Nels. (1) FN; 7800-9400'; SCR; mcw.
Senecio soldanella Gray (2) CT, LA; 12,800-13,400'; CLR; amd.
Senecio spartioides T. & G. var. *fremontii* (T. & G.) Greenm. ex Williams (2) PE, FN; 5450-6200'; EFH, WMT; dst, pjw, sgp.
Senecio spartioides T. & G. var. *multicapitatus* (Greenm. ex Rydb.) Welsh (3) AL, SH; 7500-8500'; SLV; dsc, dst.
Senecio spartioides T. & G. var. *spartioides* (6) FN, SH; 6800-9300'; SCR, SLV; dsc, dst.
Senecio streptanthifolius Greene var. *oodes* (Rydb.) Bain (3) CU, SH; 8720-10,000'; SLV, WMT; asp, mcw.
Senecio streptanthifolius Greene var. *rubricaulis* (Greene) Bain (1) HF; 7000'; EFH; pjw.
Senecio streptanthifolius Greene var. *streptanthifolius* (9) CF, CT, FN, HF, LA, SH; 5420-11,400'; BMP, CLR, EFH, SCR; lpp, mcw, pjw, ppw, rwl, sgp.
Senecio taraxacoides (Gray) Greene (17) AL, CT, HF, LA, SH; 11,900-14,042'; CLR, SCR; amd.
Senecio triangularis Hook. (18) CF, CT, CU, FN, HF, LA, PE, SH; 8600-12,200'; BMP, CLR, SCR, WMT; asp, dst, mcw, rwl.
Senecio tridenticulatus Rydb. (29) CF, CT, CU, FN, HF, LA, PE, SH; 4800-9100'; CLR, EFH, HPD, SCR, SLV, WMT; asp, oks, pjw, ppw, rwl, sgb, sgp.
Senecio werneriiifolius (Gray) Gray var. *alpinus* (Gray) Dorn (4) CU, FN, SH; 11,000-14,064'; SCR; amd, mcw.
Senecio werneriiifolius (Gray) Gray var. *werneriiifolius* (15) AL, CF, CU, FN, LA, SH; 8200-13,000'; BMP, CLR, WMT; amd, asp, dst, mcw, mtg, rwl.
Senecio wootonii Greene (16) CF, CT, CU, FN, HF, LA, PE, SH; 6000-11,3000'; BMP, CLR, EFH, SCR, WMT; asp, dst, lpp, mcw, pjw, ppw, rwl, sgp.
Solidago canadensis L. var. *gilvocanescens* Rydb. (5) CT, CU, FN, HF; 6800-8800'; EFH, SCR, SLV, WMT; dst, pjw, rwl.
Solidago canadensis L. var. *scabra* T. & G. (1) PE; 6400'; EFH; dst.
Solidago missouriensis Nutt. var. *missouriensis* (17) CT, CU, FN, HF, LA, PE; 7600-11,000'; CLR, HPD, SCR, SLV, WMT; asp, dst, mcw, mtg, oks, ppw.
Solidago missouriensis Nutt. var. *tenuissima* (Woot. & Standl.) C. J. Taylor (5) CU, FN, HF; 7000-10,000'; CLR, SCR, WMT; bcp, mcw.
Solidago nana Nutt. (13) CF, CU, FN, LA, PE, SH; 8150-13,971'; BMP, CLR, HPD, SCR, WMT; amd, bcp, mcw, mtg.
Solidago nemoralis Ait. var. *longipetiolata* (Mack. & Bush) Palmer & Stey (1) CU; 8800'; WMT; dst.
Solidago parryi (Gray) Greene (16) CF, CT, CU, HF, LA, PE, SH; 8700-11,600'; BMP, CLR, SCR, WMT; asp, bcp, dst, mcw, mtg.
Solidago rigida L. var. *rigida* (1) CU; 8400-8800'; WMT; mcw, mtg.
Solidago simplex Kunth (34) AL, CF, CT, CU, FN, LA, PE, SH; 7600-12,100'; BMP, CLR, EFH, SCR; amd, asp, dst, mcw, ppw, rwl.
Solidago speciosa Nutt. var. *pallida* Porter (1) SH; 9000-9600'; SCR.

Solidago velutina DC. (9) FN, HF, LA, SH; 6000-10,400'; CLR, EFH, HPD, SCR; mcw, oks, pjw, rwl.

**Sonchus asper* (L.) Hill (5) FN, HF, LA, SH; 5500-7100'; EFH, HPD; pjw, sgp, rwl.

**Sonchus uliginosus* M.-Bieb. (3) CT, LA, SH; 6000-8000'; EFH, SLV; dst, mwl, rwl.

Stephanomeria pauciflora (Torr.) A. Nels. var. *pauciflora* (14) CF, CT, FN, HF, SH; 5800-9300'; BMP, EFH, SLV, WMT; dst, pjw, sgb, sgp.

Taraxacum ceratophorum (Ledeb.) DC. (7) CT, CU, SH; 8800-13,400'; BMP, CLR, SCR; amd, sgb.

Taraxacum eriophorum Rydb. (1) CU; 10,600-13,200'; SCR; amd.

**Taraxacum laevigatum* (Willd.) DC. (20) CU, FN, HF, LA, PE, SH; 5850-11,750'; BMP, EFH, HPD, SCR, WMT; amd, asp, dst, mcw, oks, pjw, ppw, rwl, sgb.

**Taraxacum officinale* Weber (52) CT, CU, FN, HF, LA, PE, SH; 5800-12,800'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; amd, asp, bcp, dst, mcw, mtg, oks, pjw, ppw, rwl, sgb, sgp.

Tetradymia canescens DC. (7) CF, CU, FN, SH; 7200-9100'; HPD, SCR, SLV; dst, mcw, mtg, pjw.

Thelesperma filifolium (Hook.) Gray var. *intermedium* (Rydb.) Shinnars (26) AL, CU, FN, HF, LA, SH; 5500-9100'; CLR, EFH, HPD, SLV, WMT; dst, gwd, mtg, oks, pjw, ppw, rwl, sgp.

Thelesperma megapotamicum (Spreng.) Kuntze (2) AL, LA; 6400-8030'; EFH, SLV; pjw.

Thelesperma subnudum Gray var. *subnudum* (8) FN, HF, LA, PE; 5000-7400'; HPD, EFH; pjw, sgp.

Townsendia eximia Gray (18) HF, LA; 6400-13,626'; CLR, EFH; amd, asp, mcw, mtg, oks, pjw, ppw, rwl.

Townsendia exscapa (Richards.) Porter (8) FN, HF, PE; 5450-8800'; EFH, HPD; oks, pjw, rwl, sgp.

Townsendia fendleri Gray (25) CF, FN, HF, PE; 4900-9000'; BMP, EFH, HPD, SCR, WMT; oks, pjw, ppw, rwl, sgp.

Townsendia grandiflora Nutt. (10) CU, FN, HF, PE; 5100-7300'; EFH, WMT; dst, oks, pjw, sgp.

Townsendia hookeri Beaman (4) CT, HF; 7100-8400'; HPD, SLV, WMT; pjw, sgp.

Townsendia incana Nutt. (1) HF; 7050-7270'; HPD; ppw, sgb.

Townsendia nuttallii Dorn (1) SH; 8500-8600'; SLV.

**Tragopogon dubius* Scop. (137) AL, CF, CT, FN, HF, LA, PE, SH; 4900-10,800'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; dst, gwd, mcw, oks, pjw, ppw, rwl, sgp.

**Tragopogon porrifolius* L. (3) HF, LA; 6000-7000'; EFH; dst, pjw, sgp.

**Tragopogon pratensis* L. (6) CU, HF; 7400-10,200'; BMP, WMT; dst, oks, mcw, mtg.

Verbesina encelioides (Cav.) Benth. & Hook. ex Gray var. *exauriculata* Robins. & Greenm. (12) AL, FN, LA, PE, SH; 5100-9000'; EFH, HPD, SLV; dst, pjw, ppw, sgp.

Viguiera multiflora (Nutt.) Blake var. *multiflora* (17) CF, CT, CU, FN, HF, LA, PE, SH; 6000-10,800'; BMP, CLR, HPD, SCR, WMT; dst, mcw, mtg, oks, rwl.
Viguiera multiflora (Nutt.) S. F. Blake var. *nevadensis* (A. Nels.) S. F. Blake (1) SH; 9000-9600'; SCR.
Xanthium strumarium L. var. *canadense* (Mill.) T. & G. (4) LA; 5900-6600'; EFH; rwl, sgp.
Zinnia grandiflora Nutt. (11) FN, HF, LA, PE; 4900-7200'; EFH; dst, gwd, pjw, sgp.

Berberidaceae

Mahonia repens (Lindl.) G. Don (34) CF, CT, CU, FN, HF, PE, SH; 5960-11,600'; BMP, CLR, SCR, SLV, WMT; asp, bcp, lpp, mcw, oks, pjw, ppw, rwl.

Betulaceae

Alnus incana (L.) Moench var. *occidentalis* (Dippel) C. L. Hitchc. (26) CF, CT, CU, FN, HF, PE, SH; 6000-11,000'; BMP, CLR, EFH, SCR, SLV, WMT; asp, bcp, lpp, mcw, mwl, oks, pjw, ppw, rwl, sgb.
Betula occidentalis Hook. (17) CU, FN, HF, LA, SH; 6000-9400'; HPD, SCR, SLV, WMT; mcw, mwl, oks, pjw, ppw, rwl.

Boraginaceae

Cryptantha cinerea (Greene) Cronq. var. *jamesii* Cronq. (11) FN, HF, PE; 4800-8500'; EFH, WMT; dst, pjw, sgp.
!*Cryptantha cinerea* (Greene) Cronq. var. *pustulosa* (Rydb.) Higgins (2) SH; 8080-8400'; SLV; pjw.
Cryptantha crassisejala (T. & G.) Greene var. *elachantha* I. M. Johnst. (13) CT, FN, HF, LA, PE, SH; 4800-8300'; EFH, HPD, SLV; pjw, sgb, sgp.
Cryptantha fendleri (Gray) Greene (17) AL, CF, CT, CU, HF, SH; 7200-9300'; BMP, SLV, WMT; dsc, dst, pjw, ppw, sgb, sgp.
Cryptantha kelseyana Greene (2) HF; 6150-7700'; EFH; pjw, sgp.
Cryptantha minima Rydb. (10) FN, HF, LA, PE; 4900-7410'; EFH, HPD; dst, oks, pjw, sgp.
Cryptantha thyrsoflora (Greene) Pays. (58) CF, CU, FN, HF, LA, PE, SH; 4900-9800'; BMP, EFH, HPD, SCR, SLV, WMT; asp, dst, mcw, pjw, ppw, rwl, sgp.
Cryptantha virgata (Porter) Pays. (1) SH; 8600'; SLV; rwl.
**Cynoglossum officinale* L. (35) CU, FN, HF, LA, PE; 5870-10,100'; CLR, EFH, HPD, SCR, WMT; asp, dst, mcw, mtg, mwl, oks, pjw, ppw, rwl.
Eritrichum nanum (Vill.) Schrad. ex Gaudin var. *elongatum* (Rydb.) Cronq. (15) AL, CT, CU, HF, LA, SH; 9400-14,064'; BMP, CLR, SCR; amd, asp, bcp, mcw.
Hackelia besseyi (Rydb.) J. L. Gentry (6) AL, CT, HF, LA, SH; 7600-11,800'; EFH, SCR, SLV; bcp, dst, mcw.
Hackelia floribunda (Lehm.) I. M. Johnst. (7) CT, CU, LA, SH; 7250-9800'; BMP, EFH, SCR, SLV, WMT; dst, mcw, ppw, rwl, sgb.
Lappula marginata (M. Bieb.) Guerke (5) HF, PE; 5000-7410'; EFH, HPD; dst, pjw, sgp.

- Lappula redowskii* (Hornem.) Greene (115) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4800-10,000'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; dst, gwd, mcw, mtg, oks, pjw, ppw, rwl, sgb, sgp.
- Lappula texana* (Scheele) Britt. (8) CT, FN, LA, PE, SH; 4700-9300'; EFH, SLV; dst, gwd, sgb, sgp.
- **Lithospermum arvense* L. (1) LA; 6200'; EFH; pjw, sgp.
- Lithospermum incisum* Lehm. (82) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4900-9720'; BMP, EFH, HPD, SCR, SLV, WMT; dst, gwd, oks, pjw, ppw, rwl, sgb, sgp.
- Lithospermum multiflorum* Torr. ex Gray (45) CF, CT, CU, FN, HF, LA, PE, SH; 6600-10,400'; BMP, EFH, HPD, SCR, SLV, WMT; asp, dst, mcw, mtg, oks, pjw, ppw, rwl, sgb.
- Mertensia alpina* (Torr.) G. Don (3) AL, HF, SH; 12,800-13,971'; CLR, SCR; amd, bcp.
- Mertensia ciliata* (James ex Torr.) G. Don var. *ciliata* (37) AL, CF, CT, CU, FN, HF, LA, PE, SH; 8080-13,971'; BMP, CLR, HPD, SCR, SLV, WMT; amd, asp, bcp, lpp, mcw, mtg, rwl.
- Mertensia franciscana* Heller (21) CT, CU, HF, LA, PE; 7080-12,683'; CLR, EFH, WMT; amd, asp, mcw, mwl, ppw, rwl.
- Mertensia fusiformis* Greene (1) CU; 9360'; WMT; mcw, rwl.
- Mertensia lanceolata* (Pursh) DC. (30) CF, CU, FN, HF, LA, SH; 6200-12,579'; BMP, CLR, EFH, SLV, WMT; amd, asp, gwd, mcw, oks, pjw, ppw, rwl, sgb.
- Mertensia oblongifolia* (Nutt.) G. Don (18) AL, CU, FN, HF, LA, PE, SH; 6300-13,000'; BMP, CLR, EFH, SCR, WMT; amd, mcw, mtg, pjw, ppw, sgb.
- Mertensia viridis* (A. Nels.) A. Nels. (42) CF, CT, CU, HF, LA, PE, SH; 4900-14,064'; BMP, CLR, EFH, HPD, SCR, WMT; amd, bcp, lpp, mcw, mtg, pjw, ppw.
- Onosmodium molle* Michx. var. *occidentale* (Mack.) I. M. Johnst. (1) PE; 6500'; WMT; dst.
- Plagiobothrys scouleri* (H. & A.) I. M. Johnst. var. *hispidulus* (Greene) Dorn (2) LA; 8600-8700'; EFH; mwl.

Brassicaceae

- **Alyssum alyssoides* (L.) L. (10) CU, FN, LA; 6780-9000'; EFH, HPD, SCR, WMT; dst, oks, pjw.
- **Alyssum desertorum* Stapf (1) HF; 7000'; EFH; pjw.
- **Alyssum parviflorum* M.-Bieb. var. *micranthum* (C. A. Mey.) Dorn (34) FN, HF, LA, PE; 4900-7900'; CLR, EFH, WMT; dst, mcw, oks, pjw, ppw, rwl, sgp.
- !*Arabis crandallii* Robins. (1) CF; 8200'; BMP; pjw.
- Arabis divaricarpa* A. Nels. (30) AL, CF, CU, FN, HF, LA, PE, SH; 5800-11,200'; BMP, CLR, HPD, SCR, SLV, WMT; bcp, mcw, mtg, oks, ppw, rwl.
- Arabis drummondii* Gray (60) AL, CF, CT, CU, FN, HF, LA, PE, SH; 7360-12,800'; BMP, CLR, HPD, SCR, SLV, WMT; amd, asp, lpp, mcw, mtg, oks, ppw, rwl.
- Arabis fendleri* (Wats.) Greene var. *fendleri* (6) AL, CU, FN, HF, SH; 5200-9720'; EFH, HPD, SCR, WMT; pjw, ppw.

Arabis fendleri (Wats.) Greene var. *spatifolia* (Rydb.) Roll. (72) AL, CF, CU, FN, HF, LA, PE, SH; 5200-10,900'; BMP, HPD, SCR, SLV, WMT; asp, lpp, mcw, oks, pjw, ppw, sgb.

Arabis glabra (L.) Bernh. var. *glabra* (6) CU, HF, LA, PE; 7700-9300'; CLR, EFH, WMT; mcw, pjw.

Arabis hirsuta (L.) Scop. var. *pyncocarpa* (M. Hopk.) Roll. (7) CT, CU, FN, HF, SH; 6700-9400'; SCR, SLV, WMT; mcw, pjw.

Arabis holboellii Hornem. var. *pinetorum* (Tidest.) Roll. (3) CF, CU, HF; 7050-11,300'; HPD, SCR; dst, mcw, pjw.

Arabis holboellii Hornem. var. *secunda* (Howell) Jeps. (2) CU, HF; 8262-9350'; CLR, HPD; asp, mtg.

Arabis lignifera A. Nels. (4) CU, HF, SH; 7050-8080'; HPD, SLV; mtg, pjw.

! *Arabis oxyllobula* Greene (1) SH; 8700-8900'; SLV; mtg.

Arabis pendulina Greene var. *pendulina* (2) SH; 8200-9000'; SLV; mtg, sgb.

* *Barbarea vulgaris* R. Br. (11) CU, FN, LA, PE, SH; 5960-9600'; BMP, CLR, EFH, HPD, WMT; bcp, mcw, mwl, oks, pjw, rwl.

* *Berteroa incana* (L.) DC. (1) CU; 9100-9700'; SCR; rwl.

* *Brassica juncea* (L.) Czern. (3) FN; 6800-7600'; SCR; pjw, rwl.

* *Brassica napus* L. (1) SH; 7700-8200'; SLV; dst.

* *Camelina microcarpa* Andr. ex DC. (63) CT, CU, FN, HF, LA, PE, SH; 4900-9000'; EFH, HPD, SCR, SLV, WMT; asp, dst, lpp, mtg, mwl, pjw, ppw, rwl, sgp.

* *Capsella bursa-pastoris* (L.) Medic. (20) CF, CT, CU, HF, LA, PE, SH; 5850-10,400'; BMP, CLR, EFH, HPD, SCR, WMT; asp, bcp, dst, lpp, mcw, mtg, pjw, ppw, rwl.

Cardamine breweri Wats. var. *breweri* (1) CT; 8600'; SCR; rwl.

Cardamine cordifolia Gray var. *cordifolia* (37) AL, CF, CT, CU, FN, HF, LA, PE, SH; 8050-12,800'; BMP, CLR, SCR, SLV, WMT; amd, asp, lpp, mcw, mtg, mwl, pjw, ppw, rwl.

* *Cardaria chalepensis* (L.) Hand.-Mazz. (6) FN, HF, LA; 5800-6800'; EFH; dst, mwl, oks, pjw, rwl.

* *Cardaria draba* (L.) Desv. (5) CT, HF, PE; 5000-8050'; EFH, SLV; dst, pjw, rwl, sgb, sgp.

* *Cardaria pubescens* (C. A. Mey.) Jarmol. (1) SH; 8000'; SLV; dst, mwl.

* *Chorispora tenella* (Pall.) DC. (11) FN, HF, LA, PE; 4800-7300'; EFH; dst, pjw, sgp.

* *Conringia orientalis* (L.) Dumort. (13) LA, PE; 5300-6350'; EFH; dst, gwd, pjw, sgp.

Descurainia californica (Gray) O. E. Schulz (2) FN, SH; 7800-9400'; SCR, SLV; mcw, oks.

Descurainia incana (Bernh. ex Fisch. & Mey.) Dorn var. *incana* (15) AL, CF, CT, CU, FN, LA, SH; 6700-10,000'; BMP, CLR, SCR, SLV, WMT; dst, lpp, mcw, mtg, pjw, ppw.

Descurainia incana (Bernh. ex Fisch. & Mey.) Dorn var. *macrosperma* (O. E. Schulz) Dorn (2) LA; 7600-10,200'; CLR, EFH; mcw.

Descurainia incana (Bernh. ex Fisch. & Mey.) Dorn var. *viscosa* (Rydb.) Dorn (4) AL, CT, FN, SH; 8150-11,800'; CLR, SCR; asp, dst, mcw.

Descurainia pinnata (Walt.) Britt. var. *brachycarpa* (Richards.) Fern. (2) LA, PE; 5000-6350'; EFH; pjw, sgp.

Descurainia pinnata (Walt.) Britt. var. *nelsonii* (Rydb.) Peck (4) AL, FN, LA, SH; 6800-9400'; EFH, SCR, SLV; mcw, ppw, rwl.

Descurainia pinnata (Walt.) Britt. var. *osmiarum* (Ckll.) Shinnars (23) CT, FN, HF, LA, PE, SH; 4900-9000'; EFH, HPD, SLV; dst, pjw, ppw, sgb, sgp.

**Descurainia sophia* (L.) Webb ex Prantl (52) CF, CT, CU, FN, HF, LA, PE, SH; 4800-9300'; BMP, EFH, HPD, SLV, WMT; bcp, dst, gwd, oks, pjw, ppw, rwl, sgb, sgp.

Draba albertina Greene (2) SH; 9800-10,700'; BMP; asp, mcw, rwl.

Draba aurea Vahl ex Hornem. (57) AL, CF, CT, CU, FN, HF, LA, PE, SH; 8150-14,064'; BMP, CLR, SCR, WMT; amd, dst, lpp, mcw, mtg.

Draba cana Rydb. (6) CF, HF, SH; 10,300-13,971'; BMP, CLR; amd, bcp, mcw.

!*Draba crassa* Rydb. (3) PE, SH; 11,800-13,971'; BMP, WMT; amd, bcp, mcw.

Draba crassifolia Grah. (12) CT, CU, HF, SH; 11,000-13,517'; BMP, CLR, SCR, WMT; amd, mcw.

!*Draba fladnizensis* Wulf. var. *pattersonii* (O. E. Schulz) Roll. (11) CT, CU, LA, SH; 11,200-14,064'; BMP, CLR, SCR; amd, mcw.

!*Draba grayana* (Rydb.) C. L. Hitchc. (2) CT, SH; 12,800-13,400'; CLR, SCR; amd.

Draba helleriana Greene var. *helleriana* (5) CU, HF; 10,000-13,000'; CLR, WMT; amd, asp.

!*Draba oligosperma* Hook. var. *oligosperma* (1) SH; 11,400-13,971'; BMP; amd, bcp.

!*Draba porsildii* Mulligan var. *porsildii* (2) CT, HF; 12,000-14,064'; SCR; amd.

!*Draba smithii* Gilg ex O. E. Schulz (4) AL, CU; 8300-10,500'; SCR; asp, mcw.

!*Draba streptobrachia* Price (3) CF, CT, SH; 11,500-13,517'; CLR, BMP; amd.

Draba streptocarpa Gray (24) CT, CU, HF, LA, PE; 7350-13,626'; CLR, EFH, SCR, WMT; amd, mcw, mtg, pjw, ppw, rwl.

Erysimum asperum (Nutt.) DC. (1) HF; 9125-9300'; SCR; asp, ppw.

Erysimum capitatum (Dougl. ex Hook.) Greene var. *argillosum* (Greene) R.J. Davis (62) AL, CF, CU, FN, HF, LA, PE, SH; 4800-14,064'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; amd, asp, bcp, dst, mcw, mtg, oks, pjw, rwl, sgp.

Erysimum capitatum (Dougl. ex Hook.) Greene var. *capitatum* (73) CF, CT, CU, FN, HF, LA, SH; 4800-13,200'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; amd, dst, lpp, mcw, mtg, oks, pjw, ppw, rwl, sgb.

**Erysimum repandum* L. (5) LA, PE; 5200-6800'; EFH; dst, pjw, sgp.

Halimolobos virgata (Nutt.) O. E. Schulz (1) SH; 8800-9000'; SLV; oks.

Lepidium alyssoides Gray var. *alyssoides* (6) AL, FN, PE, SH; 5020-11,800'; EFH, HPD, SCR, SLV; dst, mcw, pjw, sgp.

**Lepidium campestre* (L.) R. Br. (1) HF; 7400-7450'; CLR; mtg.

Lepidium densiflorum Schrad. var. *densiflorum* (25) CF, CT, CU, FN, HF, LA, PE, SH; 4800-10,800'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; bcp, dst, mcw, oks, pjw, ppw, sgp.

Lepidium densiflorum Schrad. var. *macrocarpum* Mulligan (12) CF, CT, FN, HF, LA, SH; 5800-11,300'; HPD, SCR, SLV, WMT; dst, mcw, mtg, pjw, ppw, rwl.

Lepidium densiflorum Schrad. var. *ramosum* (A. Nels.) Thell. (1) SH; 8600-9400'; SLV; mtg.

Lepidium montanum Nutt. var. *alyssoides* (Gray) Jones (6) FN, SH; 5600-9800'; BMP, EFH, SLV; asp, dst, ppw.

**Lepidium ramosissimum* A. Nels. var. *bourgeaunum* (Thellung) Roll. (3) HF, SH; 8800-9600'; SCR, SLV; mcw, oks.

Lepidium virginicum L. var. *medium* (Greene) C. L. Hitchc. (1) FN; 7100'; HPD; pjw, rwl.

Lepidium virginicum L. var. *pubescens* (Greene) C. L. Hitchc. (4) CF, CU, FN; 7100-8900'; HPD, SLV; mcw, ppw, rwl.

Lesquerella alpina (Nutt.) Wats. var. *alpina* (2) HF, PE; 6600-6700'; EFH, HPD; pjw, sgp.

!*Lesquerella calicola* Roll. (9) FN, HF, PE; 5100-7400'; EFH; pjw, sgp.

Lesquerella fendleri (Gray) Wats. (2) FN; 5100-5420'; EFH; pjw, sgp.

Lesquerella montana (Gray) Wats. (69) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4800-9600'; BMP, EFH, HPD, SCR, SLV, WMT; bcp, dst, mcw, oks, pjw, ppw, rwl, sgp.

Pennelia micrantha (Gray) Nieuwl. (1) HF; 9800-10,200'; CLR; mcw, mtg.

Physaria floribunda Rydb. var. *floribunda* (1) AL; 12,300'; SCR; amd.

Rorippa curvipes Greene var. *alpina* (Wats.) Stuckey (1) CT; 11,400'; CLR; mcw.

Rorippa nasturtium-aquaticum (L.) Hayek (6) FN, LA, PE, SH; 4800-8200'; EFH, HPD, SLV, WMT; rwl.

Rorippa palustris (L.) Bess. var. *fernaldiana* (Butters & Abbe) Stuckey (1) CU; 8040'; HPD; rwl.

Rorippa palustris (L.) Bess. var. *hispida* (Desv.) Rydb. (1) LA; 8000'; EFH; rwl.

Rorippa palustris (L.) Bess. var. *palustris* (1) CU; 8400-8700'; WMT; mwl.

Rorippa sinuata (Nutt.) Hitchc. (1) CT; 8300'; SLV; mwl.

Rorippa teres (Michx.) Stuckey (1) CU; 11,000-12,620'; SCR; amd.

**Sisymbrium altissimum* L. (48) CF, CT, CU, FN, HF, PE, SH; 5000-8800'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; dst, gwd, pjw, ppw, rwl, sgb, sgp.

**Sisymbrium loeselii* L. (1) CT; 7800-8000'; SLV; rwl, sgb.

Stanleya pinnata (Pursh) Britt. var. *integrifolia* (James) Roll. (14) FN, HF, PE; 5100-7400'; EFH; dst, pjw, sgp.

Thelypodium integrifolium (Nutt.) Endl. ex. Walp. var. *gracilipes* Robbins. (1) LA; 8500'; CLR; oks, rwl.

Thelypodium wrightii Gray ssp. *oklahomensis* Al-Shehbaz (6) FN, HF, LA; 6300-7200'; EFH; dst, pjw, rwl.

**Thlaspi arvense* L. (26) CT, CU, FN, HF, LA, PE, SH; 4900-10,400'; BMP, CLR, EFH, HPD, SCR, SLV; bcp, dst, mcw, oks, ppw, rwl, sgb.

Thlaspi montanum L. var. *montanum* (62) AL, CF, CT, CU, FN, HF, LA, PE, SH; 5800-13,800'; BMP, CLR, HPD, SCR, WMT; amd, bcp, lpp, mcw, mtg, ppw.

Cactaceae

- Coryphantha vivipara* (Nutt.) Britt. & Rose var. *vivipara* (7) FN, HF, LA, PE; 4900-8500'; EFH, HPD; gwd, oks, pjw, sgp.
- Echinocereus coccineus* Engelm. var. *coccineus* (29) AL, CU, HF, LA, PE; 4900-9725'; EFH, HPD, SLV, WMT; oks, pjw, ppw, sgp.
- Echinocereus triglochidiatus* Engelm. var. *triglochidiatus* (16) AL, CF, CT, FN, LA, SH; 5200-8500'; EFH, HPD, SLV; pjw, sgp, sgb.
- Echinocereus viridiflorus* Engelm. var. *viridiflorus* (36) AL, CU, FN, HF, LA, PE, SH; 4800-9100'; EFH, HPD, SLV, WMT; oks, pjw, ppw, sgp.
- Opuntia erinacea* Engelm. & Bigel. ex Engelm. var. *utahensis* (Engelm.) Benson (1) PE; 4900-5000'; EFH; pjw.
- Opuntia erinaceae* Engelm. & Bigel. ex Engelm. var. *erinaceae* (3) PE; 5300-6060'; EFH; sgp.
- Opuntia imbricata* (Haw.) DC. var. *imbricata* (12) FN, HF, LA, PE; 5200-7700'; EFH; gwd, pjw, sgp.
- Opuntia macrorhiza* Engelm. var. *macrorhiza* (11) FN, HF, LA, PE; 4900-7380'; EFH, HPD, WMT; pjw, sgp.
- Opuntia phaeacantha* Engelm. var. *camanchica* (Engelm. & Bigel.) L. Benson (5) FN, LA, PE; 5100-6400'; EFH; gwd, pjw.
- Opuntia phaeacantha* Engelm. var. *major* Engelm. (1) HF; 6800'; EFH; pjw.
- Opuntia phaeacantha* Engelm. var. *phaeacantha* (1) PE; 5450'; EFH; sgp.
- Opuntia phaeacantha* Engelm. var. *major* Engelm. (4) HF, LA; 6000-6560'; EFH; gwd, oks, pjw, sgp.
- Opuntia polyacantha* Haw. var. *juniperina* (Britt. & Rose) L. Benson (5) HF, LA, SH; 6200-9000'; EFH, SLV; oks, pjw, sgp.
- Opuntia polyacantha* Haw. var. *polyacantha* (69) CF, CT, CU, FN, HF, LA, PE, SH; 4900-9670'; BMP, HPD, SCR, SLV, WMT; oks, pjw, ppw, sgb, sgp.
- Opuntia polyacantha* Haw. var. *rufispina* (Engelm. & Big ex Engelm.) Benson (2) FN; 5420-6800'; EFH, HPD; pjw, sgp.
- Pediocactus simpsonii* (Engelm.) Britt. & Rose var. *simpsonii* (16) AL, CT, CU, FN, HF, SH; 6300-9200'; BMP, CLR, EFH, HPD, SLV; oks, pjw, ppw, sgp.

Campanulaceae

- Campanula parryi* Gray var. *parryi* (7) CT, SH; 7900-11,900'; BMP, CLR, SCR, SLV; dst, mcw, ppw, rwl.
- Campanula rotundifolia* L. (62) CF, CT, CU, FN, HF, LA, PE, SH; 6600-12,800'; BMP, CLR, EFH, HPD, SCR, WMT; amd, asp, bcp, dst, mcw, mtg, ppw, rwl.
- Campanula uniflora* L. (5) AL, CT, CU, SH; 10,600-13,600'; CLR, SCR; amd.

Cannabaceae

- Humulus lupulus* L. var. *neomexicanus* Nels. & Ckll. (8) CF, CU, HF, LA; 6000-8800'; BMP, EFH, HPD, WMT; dst, mcw, mwl, oks, pjw, rwl.

Cappar(id)aceae

- Cleome serrulata* Pursh (26) CF, CT, CU, FN, HF, LA, PE, SH; 4900-9300'; BMP, EFH, SCR, SLV, WMT; dst, pjw, ppw, rwl, sgp.

Polanisia dodecandra (L.) DC. var. *trachysperma* (T. & G.) Iltis (4) FN, LA; 6600-7600'; EFH, SCR; pjw, rwl.

Caprifoliaceae

- Linnaea borealis* L. var. *longiflora* Torr. (10) CF, CU, HF, PE, SH; 8600-11,600'; BMP, CLR, SCR, SLV, WMT; asp, lpp, mcw, ppw, rwl.
- Lonicera involucrata* (Richards.) Banks ex Spreng. var. *involucrata* (38) AL, CF, CT, CU, FN, HF, LA, PE, SH; 8500-12,200'; BMP, CLR, SCR, WMT; amd, asp, bcp, lpp, mcw, mtg, mwl, rwl, sgb.
- Sambucus canadensis* L. var. *canadensis* (1) LA; 6000'; EFH; mwl, rwl.
- Sambucus cerulea* Raf. var. *cerulea* (4) CT, HF, LA; 6780-11,400'; CLR, EFH; mcw, pjw, rwl.
- Sambucus racemosa* L. var. *microbotrys* (Rydb.) Kearn. & Peeb. (44) AL, CF, CU, FN, HF, LA, PE, SH; 5870-12,200'; BMP, CLR, EFH, HPD, SCR, WMT; asp, bcp, dst, lpp, mcw, pjw, ppw, rwl.
- Symphoricarpos occidentalis* Hook. (5) LA, PE; 5450-8800'; EFH, WMT; dst, mwl, ppw, rwl.
- Symphoricarpos oreophilus* Gray var. *oreophilus* (29) CF, CU, FN, HF, LA, PE, SH; 5960-10,000'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, mcw, oks, pjw, ppw, rwl, sgb.
- Symphoricarpos oreophilus* Gray var. *utahensis* (Rydb.) A. Nels. (4) FN, SH; 6800-9000'; HPD, SLV; pjw, rwl.
- Symphoricarpos rotundifolius* A. Gray var. *rotundifolius* (31) AL, CF, CU, FN, HF, LA, SH; 5800-10,300'; BMP, EFH, HPD, SCR, SLV, WMT; asp, oks, pjw, ppw, rwl.
- Viburnum edule* (Michx.) Raf. (1) PE; 8600'; WMT; mcw, rwl.

Caryophyllaceae

- Arenaria congesta* Nutt. var. *congesta* (2) CF; 10,400-11,600'; BMP; bcp, lpp, mcw;
- Arenaria fendleri* Gray var. *fendleri* (96) AL, CF, CT, CU, FN, HF, LA, PE, SH; 7200-14,064'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; amd, dst, lpp, mcw, mtg, oks, pjw, ppw, rwl, sgb.
- Arenaria hookeri* Nutt. var. *hookeri* (1) HF; 7300'; WMT; pjw.
- Arenaria hookeri* Nutt. var. *pinetorum* (A. Nels.) Maguire (3) PE; 4800-5200'; EFH; pjw, sgp.
- Arenaria lanuginosa* (Michx.) Rohrb. ssp. *saxosa* (Gray) Maguire (21) CF, CT, FN, HF, LA, PE, SH; 7600-12,683'; BMP, CLR, EFH, SCR, WMT; amd, asp, lpp, mcw, mtg, ppw.
- Cerastium arvense* L. (42) CF, CT, CU, FN, HF, LA, PE, SH; 6800-13,517'; BMP, CLR, SCR, WMT; amd, asp, bcp, lpp, mcw, mtg, ppw, rwl.
- Cerastium beeringianum* Cham. & Schlecht. var. *capillare* Fern. & Wieg. (16) AL, CT, CU, HF, LA, PE, SH; 11,200-14,064'; BMP, CLR, SCR, WMT; amd.
- **Cerastium fontanum* Baumg. ssp. *vulgare* (Hartm.) Greuter & Burdet (12) CT, CU, LA, PE, SH; 7800-13,971'; BMP, CLR, SCR, WMT; mcw, mwl, ppw, rwl.
- **Dianthus armeria* L. ssp. *armeria* (1) PE; 8800'; WMT; dst.

Minuartia obtusiloba (Rydb.) House (42) AL, CF, CT, HF, LA, PE, SH; 10,500-14,064'; BMP, CLR, SCR, WMT; amd, bcp, lpp, mcw, mtg.

Minuartia rubella (Wahlenb.) Hiern (17) CF, CT, CU; 11,200-13,517'; BMP, CLR, SCR, WMT; amd, mtg.

! *Minuartia stricta* (Sw.) Hiern (1) HF; 12,000'; SCR; amd.

Moehringia lateriflora (L.) Fenzl (1) CU; 9050-9670'; WMT; asp, rwl.

Paronychia jamesii T. & G. (2) PE; 4800-5300'; EFH; pjw, sgp.

Paronychia pulvinata Gray (5) CT, CU, HF, SH; 8500-13,971'; BMP, CLR, SLV; amd, bcp, mcw, mtg.

Paronychia sessiliflora Nutt. (7) CU, FN, HF, PE, SH; 4800-8500'; EFH, HPD, SLV; pjw, sgp.

Sagina saginoides (L.) Karst. (4) HF, SH; 9800-11,900'; CLR, WMT; mcw, mtg.

* *Saponaria officinalis* L. (1) PE; 7800-8000'; WMT; dst.

Silene acaulis (L.) Jacq. var. *subacaulescens* (F. N. Wms.) Fern. & St John (34) AL, CF, CT, CU, FN, HF, LA, PE, SH; 11,000-14,064'; BMP, CLR, SCR, WMT; amd.

Silene antirrhina L. (4) CU, LA, PE; 4900-8700'; CLR, EFH, WMT; ppw, rwl.

Silene drummondii Hook. var. *drummondii* (8) CF, CT, CU, HF, LA; 7250-12,800'; BMP, CLR, EFH, HPD, WMT; amd, bcp, lpp, mcw, mtg.

Silene drummondii Hook. var. *striata* (Rydb.) Bocq. (14) AL, CT, CU, FN, HF, LA, SH; 8600-12,800'; BMP, CLR, SCR; amd.

Silene hitchguirei Bocq. (3) CT, CU, SH; 11,200-14,064'; BMP, CLR, SCR; amd.

* *Silene latifolia* Poir. ssp. *alba* (Mill.) Greuter & Burdet (5) HF, PE; 7200-9350'; CLR, WMT; asp, oks, mtg, rwl.

* *Silene noctiflora* L. (1) LA; 8600'; EFH.

Silene scouleri Hook. ssp. *hallii* (Wats.) C. L. Hitchc. (4) CU, FN, HF; 8400-11,800'; CLR, SCR; bcp, mcw.

* *Silene vulgaris* (Moench) Garcke (1) FN; 8150-8400'; SCR; mtg, oks.

! *Stellaria irrigua* Bunge (9) AL, CT, CU, HF, LA, PE; 11,800-14,064'; CLR, SCR, WMT; amd.

Stellaria longifolia Muhl. ex Willd. (3) CF, HF, SH; 8600-9800'; BMP, SCR, WMT; asp, ppw.

Stellaria longipes Goldie var. *longipes* (22) AL, CF, CT, HF, LA, SH; 8200-14,064'; BMP, CLR, HPD, SCR, WMT; amd, mcw, mtg, rwl, sgb.

Stellaria monantha Hult. (3) CT, LA; 10,200-11,400'; CLR; mcw.

Stellaria umbellata Turcz. ex Karel. & Kir. (24) AL, CT, CU, HF, LA, SH; 9000-14,064'; BMP, CLR, SCR; amd, mcw, rwl.

* *Vaccaria hispanica* (Mill.) Rauschert (1) PE; 5660'; EFH; sgp.

Celastraceae

Paxistima myrsinites (Pursh) Raf. (6) CU, HF, LA; 8700-10,980'; CLR, SCR; asp, mcw, mtg, rwl.

Chenopodiaceae

Atriplex argentea Nutt. ssp. *expansa* (Wats.) H. M. Hall & Clem. (1) LA; 6100'; EFH, dst.

Atriplex argentea Nutt. var. *caput-medusae* (Eastw.) Fosb. (1) SH; 7650-8500'; SLV.

Atriplex canescens (Pursh) Nutt. var. *canescens* (57) AL, CT, FN, HF, LA, PE, SH; 5100-9300'; EFH, HPD, SLV; dst, gwd, pjw, sgb, sgp.

Atriplex confertifolia (Torr. & Frem.) Wats. (3) FN, PE; 4700-5300'; EFH; gwd, sgp.

**Atriplex heterosperma* Bunge (1) LA; 6000'; EFH; mwl, rwl.

**Chenopodium album* L. var. *album* (1) LA; 6100'; EFH; gwd.

Chenopodium atrovirens Rydb. (6) CT, HF, SH; 7700-10,600'; SCR, SLV; asp, dst, mcw.

Chenopodium berlandieri Moq. var. *berlandieri* (12) CT, CU, FN, HF, LA, PE; 5450-8500'; CLR, EFH, HPD, SLV; dst, mtg, mwl, pjw, ppw, rwl, sgp.

Chenopodium berlandieri Moq. var. *zschackei* (Murr) Murr ex Aschers. (5) CU, LA, PE; 5800-8800'; CLR, WMT; dst.

Chenopodium botrys L. (1) PE; 7800-8000'; WMT; dst.

**Chenopodium foliosium* (Moench) Asch. (6) CT, CU, SH; 8800-10,000'; BMP, CLR, HPD, SCR; mcw, mtg.

Chenopodium fremontii Wats. (10) CU, FN, HF, LA, SH; 6800-10,400'; BMP, CLR, HPD, SCR, SLV, WMT; mcw, mtg, ppw.

**Chenopodium graveolens* Willd. (4) CF, SH; 7600-9300'; BMP, SLV; dsc, pjw.

Chenopodium incanum (Wats.) Heller var. *incanum* (5) AL, CF, CT, FN, SH; 5600-8500'; BMP, EFH, SLV; dst, pjw.

Chenopodium leptophyllum (Moq.) Nutt. ex Wats. (14) AL, CT, FN, HF, LA, PE, SH; 5450-8800'; EFH, SLV, WMT; dst, oks, pjw, sgb, sgp.

Chenopodium overi Aellen (4) FN, PE, SH; 6700-10,400'; SCR, WMT; mcw, pjw, ppw.

Chenopodium pratericola Rydb. (8) AL, CF, CT, CU, HF, LA, SH; 6000-12,579'; EFH, HPD, SCR, SLV; amd, dst, oks, pjw, ppw.

Chenopodium watsonii A. Nels. (2) CT, SH; 8100-9000'; SLV; dsc, pjw.

**Kochia scoparia* (L.) Schrad. (11) AL, CT, FN, LA, PE, SH; 5850-9000'; EFH, SCR, SLV; dst, gwd, oks, pjw.

Krascheninnikovia lanata (Pursh) Meeuse & Smit (29) CT, HF, LA, PE, SH; 4900-9000'; EFH, SCR, SLV, WMT; dst, oks, pjw, sgb, sgp.

Monolepis nuttalliana (Schult.) Greene (16) CF, CT, CU, FN, SH; 5300-10,000'; BMP, CLR, EFH, SCR, SLV, WMT; asp, gwd, mcw, mtg, pjw, ppw, rwl, sgb, sgp.

**Salsola australis* R. Br. (13) AL, CF, CT, FN, HF, LA, SH; 5650-9000'; EFH, HPD, SCR, SLV; dst, oks, pjw, ppw, rwl, sgb, sgp.

**Salsola collina* Pall. (5) AL, CT, FN, HF, SH; 6270-9300'; EFH, HPD, SCR, SLV; dst, rwl.

Sarcobatus vermiculatus (Hook.) Torr. var. *vermiculatus* (7) FN, HF, LA, SH; 5300-8200'; EFH, SLV; gwd, pjw, sgb, sgp.

Clusiaceae

Hypericum formosum H.B.K. var. *scouleri* (Hook.) Coult. (1) CU; 8800'; WMT; mcw.

Commelinaceae

Tradescantia occidentalis (Britt.) Smyth var. *scopulorum* (Rose) E. S. Anderson & Woods. (8) CU, FN, HF; 5200-8400'; EFH, WMT; mcw, pjw, ppw, sgp.

Convolvulaceae

**Convolvulus arvensis* L. (56) CT, HF, LA, PE; 4900-11,000'; EFH, HPD, SLV, WMT; dsc, dst, gwd, mcw, oks, pjw, ppw, rwl, sgb, sgp.
Evolvulus nuttallianus Schult. (7) FN, HF, LA, PE; 5000-8400'; EFH; dst, pjw, sgp.
Ipomoea leptophylla Torr. (3) HF, LA, PE; 5450-6270'; EFH; dst, pjw, sgp.

Cornaceae

Cornus canadensis L. var. *canadensis* (7) CU, FN, PE; 7500-10,400'; WMT; mcw, rwl.
Cornus sericea L. ssp. *sericea* (3) FN, SH; 7800-9400'; SCR, SLV; mcw, pjw, rwl.

Crassulaceae

Sedum integrifolium (Raf.) A. Nels. ssp. *integrifolium* (43) AL, CF, CT, CU, HF, LA, PE, SH; 10,500-14064'; BMP, CLR, SCR, WMT; amd, bcp, mcw, mtg.
Sedum lanceolatum Torr. var. *lanceolatum* (71) AL, CF, CT, CU, FN, HF, LA, PE, SH; 6300-13,971'; BMP, CLR, HPD, SCR, WMT; amd, asp, bcp, dst, lpp, mcw, mtg, oks, pjw, ppw.
Sedum rhodanthum Gray (10) AL, CT, CU, FN, HF, SH; 10,600-12,800'; BMP, CLR, SCR; amd, bcp, mcw, mwl.

Crossosomataceae

Forsellesia planitierum Ensign. (1) PE; 5200-5300'; EFH; dst, sgp.

Cucurbitaceae

Cucurbita foetidissima H.B.K. (16) FN, HF, LA, PE; 5200-7180'; EFH; dst, gwd, pjw, sgp, rwl.
Echinocystis lobata (Michx.) T. & G. (1) 5850'; EFH; dst.

Cyperaceae

Carex albonigra Mack. (8) CF, CU, HF, LA, PE, SH; 11,500-14,064'; CLR, SCR, WMT; amd.
Carex aquatilis Wahlenb. var. *aquatilis* (6) CU, HF, LA, SH; 7200-11,200'; BMP, SCR, WMT; asp, dst, lpp, mcw, mwl, ppw.
Carex arapahoensis Cockerell (1) CT, 13,000-13,517'; CLR; amd.
Carex atrata L. var. *chalciolepis* (Holm) Kukenth. (19) AL, CT, CU, HF, LA, SH; 11,000-13,971'; BMP, CLR, SCR, WMT; amd, mtg.
Carex atrata L. var. *erecta* Boott (5) AL, CF, CU, HF, SH; 11,600-13,000'; BMP, SCR, WMT; amd, mtg.
Carex aurea Nutt. (2) CU, LA; 7400-8000'; EFH, WMT; oks, ppw, rwl.
Carex bella Bailey (13) CT, CU, FN, HF, LA, PE, SH; 8200-12,579'; CLR, HPD, SCR, WMT; amd, bcp, mcw.
Carex brevior (Dewey) Mack. ex Lunell (2) HF, PE; 4900-7300'; EFH; dst, pjw.

Carex canescens L. var. *canescens* (1) SH; 9000'; BMP; rwl.
Carex disperma Dewey (4) CF, PE, SH; 8600-9600'; BMP, WMT; asp, mcw, rwl.
Carex douglasii Boott (7) CF, CU, FN, SH; 7220-9800'; HPD, SLV, WMT; asp, oks, pjw, ppw, rwl.
Carex ebenea Rydb. (11) AL, CF, CT, CU, LA, SH; 10,800-12,574'; BMP, CLR, SCR; amd, mcw.
Carex egglestonii Mack. (1) FN; 11,000-12,200'; SCR; amd, mcw.
Carex elynoides Holm (23) AL, CT, CU, FN, HF, LA, PE, SH; 8200-14,064'; BMP, CLR, SCR, SLV, WMT; amd, bcp, mcw.
Carex filifolia Nutt. (3) CU, PE, SH; 4800-11,750'; BMP, EFH, WMT; amd, mcw, pjw.
Carex foenea Willd. (30) CF, CT, CU, HF, LA, PE, SH; 7200-13,791'; BMP, CLR, HPD, SCR, WMT; amd, bcp, lpp, mcw, mtg, ppw, rwl.
Carex haydeniana Olney (9) CT, CU, HF, LA, SH; 7000-12,800'; BMP, CLR, SCR, WMT; amd, bcp, mcw, oks, ppw.
Carex illota Bailey (1) SH; 10,800-11,200'; BMP; lpp, mcw.
Carex lanuginosa Michx. (11) CF, CT, CU, HF, LA; 5870-8800'; CLR, EFH, HPD, WMT; mcw, mtg, mwl, oks, ppw.
Carex microptera Mack. var. *microptera* (22) AL, CF, CT, CU, FN, HF, LA, PE, SH; 7350-11,800'; BMP, CLR, EFH, SCR, WMT; asp, mcw, mtg, mwl, ppw, rwl, sgb.
Carex nardina Fries var. *hepburnii* (Boott) Kukenth. (3) HF, LA, SH; 11,600-13,626'; BMP, CLR, WMT; amd.
Carex nebrascensis Dewey (20) CF, CT, CU, FN, LA, PE, SH; 5100-10,700'; BMP, CLR, EFH, HPD, SLV, WMT; mwl, oks, pjw, ppw, sgb.
Carex nelsonii Mack. (7) CF, CU, HF, PE, SH; 8000-12,574'; BMP, SCR, WMT; amd, asp, dst, lpp, mcw.
Carex nigricans C. A. Mey. (2) CT, HF; 12,000-13,400'; CLR, SCR; amd.
Carex norvegica Retz. var. *stevenii* (Holm) Dorn (10) CU, CF, LA, SH; 6200-12,000'; BMP, EFH, SCR; amd, lpp, mcw, mwl, pjw, rwl.
Carex nova Bailey var. *nova* (17) AL, CT, FN, HF, LA, SH; 8400-12,579'; BMP, CLR, SCR, WMT; amd, mcw, mtg, ppw, rwl.
Carex nova Bailey var. *pelocarpa* (F. J. Herm.) Dorn (1) CF; 11,500'; BMP; amd.
Carex occidentalis Bailey (23) AL, CF, CU, FN, HF, LA, PE; 5960-13,600'; CLR, EFH, SCR, SLV, WMT; amd, asp, dst, mcw, mtg, oks, pjw, ppw, rwl.
! *Carex oreocharis* Holm (2) HF, LA; 7700-9500'; CLR, WMT; pjw.
Carex pachystachya Cham. ex Steud. (5) CF, CU, LA; 6600-11,000'; BMP, EFH, SCR, WMT; dst, mcw, pjw, rwl, sgp.
! *Carex peckii* Howe (1) CU; 7350'; WMT; rwl.
Carex pensylvanica Lam. var. *digyna* Boeck. (41) CU, FN, HF, LA, PE, SH; 4900-9200'; BMP, EFH, SCR, WMT; asp, dst, oks, pjw, ppw, rwl, sgp.
Carex phaeocephala Piper (5) CT, CU, HF, LA; 5870-12,800'; CLR, EFH, SCR; amd, rwl.
Carex pityophila Mack. (14) CU, FN, HF, SH; 6700-9600'; EFH, HPD, SLV; mcw, mtg, oks, pjw, rwl, sgb.
Carex praeceptorum Mack. (1) CU; 9000'; WMT; mcw.

Carex praegracilis W. Boott (17) CU, FN, HF, LA, PE, SH; 4900-10,400'; CLR, EFH, SCR, SLV, WMT; mcw, pjw, ppw, rwl, sgb.

Carex pyrenaica Wahlenb. (1) CT; 12,800'; SCR; amd.

Carex rossii Boott (5) CU, PE, SH; 8200-8700'; SLV, WMT; mcw, ppw.

Carex scopulorum Holm var. *scopulorum* (4) AL, CU, FN; 8200-12,800'; SCR; amd, mcw, mtg.

Carex stenophylla Wahlenb. (27) CT, CU, FN, HF, PE, SH; 6000-9800'; BMP, EFH, HPD, SCR, SLV, WMT; dst, oks, pjw, ppw, rwl, sgp.

Carex stenoptila F. J. Herm. (4) HF, LA, SH; 11,000-13,971'; CLR, SCR, WMT; amd, bcp, mcw, mtg.

Carex stipata Muhl. ex Willd. var. *stipata* (2) CU, PE; 8400-8700'; WMT; mwl, rwl.

Carex utriculata Boott (13) CF, CT, CU, LA, SH; 8000-11,800'; BMP, CLR, SCR, SLV, WMT; mcw, mwl, rwl.

Carex vallicola Dewey var. *vallicola* (3) CU, FN, HF; 7800-10,158'; CLR, SCR; mcw, mtg, ppw.

Carex vesicaria L. var. *vesicaria* (1) SH; 9800'; BMP; asp, ppw.

Carex vulpinoidea Michx. (1) PE; 8000'; WMT; mcw.

Cyperus fendlerianus Boeckl. (1) HF; 7200-7800'; WMT; pjw.

Eleocharis acicularis (L.) R. & S. (2) LA, PE; 6800-8700'; EFH, WMT; mwl.

Eleocharis palustris (L.) R. & S. (22) CT, CU, FN, HF, LA, PE, SH; 5100-8600'; CLR, EFH, HPD, SCR, SLV, WMT; gwd, mwl, oks, pjw, ppw, rwl, sgb.

Eriophorum polystachion L. (1) CT; 11,800'; CLR; mwl.

Kobresia bellardii (All.) Degl. (5) CT, CU, HF; 10,300-13,517'; CLR, SCR, WMT; amd

Scirpus acutus Muhl. ex Bigel. (4) CU, FN, LA; 5100-8700'; EFH; WMT; mwl, rwl.

Scirpus maritimus L. var. *paludosus* (A. Nels.) Kukenth. (1) HF; 6000'; EFH; gwd, mwl.

Scirpus microcarpus J. & K. Presl (8) CU, HF, LA, PE; 6000-8800'; CLR, EFH, WMT; mcw, mwl, oks, rwl.

Scirpus pallidus (Britt.) Fern. (1) PE; 6400'; EFH; dst.

Scirpus pungens Vahl var. *polyphyllus* Boeck. (2) LA, FN; 6000-6400'; EFH; rwl.

Scirpus validus Vahl (8) FN, HF, LA, PE; 5870-7300'; EFH, HPD, WMT; mwl, pjw, rwl, sgp.

Dipsacaceae

**Dipsacus fullonum* L. (1) PE; 5850'; EFH; dst.

**Knautia arvensis* (L.) Coult. (3) CU, PE; 8400-8800'; WMT; dst, mcw.

Elaeagnaceae

Elaeagnus angustifolia L. (8) FN, HF, LA, PE; 5200-7950'; EFH, HPD, SLV; dst, pjw, ppw, rwl.

Shepherdia canadensis (L.) Nutt. (35) AL, CF, CT, CU, FN, HF, LA, PE, SH; 8600-11,000'; BMP, CLR, HPD, SCR, SLV, WMT; asp, dst, lpp, mcw, oks, pjw, ppw.

Ericaceae

- Arctostaphylos uva-ursi* (L.) Spreng. var. *adenotricha* Fern. & Macbr. (40) CF, CT, CU, FN, HF, LA, PE, SH; 7400-11,000'; BMP, CLR, HPD, SCR, SLV, WMT; asp, lpp, mcw, mtg, oks, ppw, rwl.
- Arctostaphylos uva-ursi* (L.) Spreng. var. *uva-ursi* (2) HF, PE; 8400-8800'; CLR, WMT; ppw.
- Chimaphila umbellata* (L.) Barton var. *occidentalis* (Rydb.) Blake (7) CU, FN, HF, PE; 7600-11,000'; SCR, WMT; asp, mcw, ppw.
- Moneses uniflora* (L.) Gray var. *uniflora* (15) AL, CF, CT, CU, HF, PE, SH; 9000-11,600'; BMP, CLR, SCR, WMT; amd, bcp, lpp, mcw, rwl.
- Monotropa hypopithys* L. (3) HF, PE; 8000-9300'; CLR, WMT; mcw.
- Orthilia secunda* (L.) House (17) CF, CT, CU, FN, LA, PE, SH; 7800-11,600'; BMP, CLR, SCR, WMT; lpp, mcw.
- Pterospora andromedea* Nutt. (8) CU, FN, HF, LA; 7800-10,600'; CLR, SCR; mcw.
- Pyrola asarifolia* Michx. var. *asarifolia* (5) CU, HF, LA, PE; 8500-10,900'; CLR, SCR, WMT; mcw.
- Pyrola chlorantha* Sw. var. *chlorantha* (10) AL, CF, CU, FN, HF, LA, PE; 10,000-13,200'; BMP, CLR, SCR, WMT; amd, asp, lpp, mcw, mtg.
- Pyrola minor* L. (4) LA, SH; 9000-11,000'; BMP, CLR, SCR, WMT; asp, mcw, rwl.
- !*Pyrola picta* Sm. var. *picta* (1) FN; 9400-11,000'; SCR; asp, mcw.
- Vaccinium cespitosum* Michx. (1) CF; 10,400-10,600'; BMP; rwl.
- Vaccinium myrtillus* L. var. *oreophilum* (Rydb.) Dorn (36) CF, CT, CU, FN, HF, LA, PE, SH; 7600-12,700'; BMP, CLR, HPD, SCR, WMT; amd, asp, lpp, mcw, mtg, rwl.
- Vaccinium scoparium* Leib. ex Cov. (6) CU, HF, LA; 8600-12,683'; CLR, SCR, WMT; amd, mcw.

Euphorbiaceae

- Chamaesyce revoluta* (Engelm.) Small (1) CF; 7200-7800'; SCR; pjw.
- Croton texensis* (Klotzsch) Muell.-Arg. (4) FN, PE; 5300-5650'; EFH; dst, pjw, sgp.
- Euphorbia brachycera* Engelm. (21) CF, CT, CU, FN, HF, LA, PE, SH; 5450-9500'; BMP, EFH, HPD, SCR, SLV; pjw, ppw, sgp.
- Euphorbia dentata* Michx. (10) FN, LA, PE; 5650-7600'; EFH, SCR; dst, oks, ppw, sgp, rwl.
- **Euphorbia esula* L. var. *uralensis* (Fisch. ex Link) Dorn (7) CU, HF, PE; 5690-9200'; EFH, WMT; bcp, dst, mcw, oks, rwl.
- Euphorbia fendleri* T. & G. (31) CF, FN, HF, LA, PE; 4800-9000'; EFH, HPD, SCR; oks, pjw, sgp.
- Euphorbia glyptosperma* Engelm. (7) CF, FN, HF, LA, PE; 6000-7800'; BMP, EFH, SCR; dst, gwd, pjw.
- Euphorbia marginata* Pursh (9) HF, LA; 5800-8800'; EFH; gwd, dst, oks, pjw.
- Euphorbia revoluta* Engelm. (1) FN; 8000-8800'; SCR.
- Euphorbia serpens* H.B.K. (1) LA; 6500'; EFH; dst.

**Euphorbia serpyllifolia* Pers. var. *serpyllifolia* (14) CT, FN, LA, SH; 5600-9600'; EFH, SCR, SLV; dst, mcw, rwl, sgp.
Euphorbia spathulata Lam. (1) FN; 5800-5900'; EFH.
Euphorbia stictospora Engelm. (1) PE; 5850'; EFH; dst.
Tragia ramosa Torr. (29) FN, HF, LA, PE; 4900-7400'; EFH; dst, oks, pjw, ppw, sgp.

Fabaceae

Amorpha canescens Pursh (1) LA; 6400'; EFH; pjw.
Astragalus adsurgens Pall. var. *robustior* Hook. (37) AL, CF, CT, FN, HF, LA, SH; 6250-9700'; CLR, EFH, HPD, SCR, SLV; asp, dst, mcw, oks, pjw, ppw, sgb, sgp.
Astragalus agrestis Dougl. ex G. Don (14) CT, CU, HF, LA, SH; 6800-9300'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; mtg, pjw, ppw, sgb, rwl.
Astragalus alpinus L. var. *alpinus* (18) AL, CF, CU, HF, SH; 8300-11,000'; BMP, CLR, SLV; mcw, mtg, pjw, ppw, rwl.
Astragalus bisulcatus (Hook.) Gray var. *bisulcatus* (16) FN, HF, LA, PE; 4700-7700'; EFH; sgp.
Astragalus bisulcatus (Hook.) Gray var. *haydenianus* (Gray) Barneby (1) FN; 5800-5900'; EFH; sgp.
!*Astragalus brandegei* Porter (7) HF, SH; 7050-8850'; BMP, HPD, SLV; pjw, sgp.
Astragalus canadensis L. var. *canadensis* (2) HF, PE; 7600-9300'; WMT; mcw, oks.
Astragalus ceramicus Sheld. var. *filifolius* (Gray) F. J. Herm. (2) FN, PE; 4900-5800'; EFH; dst, pjw.
!*Astragalus cerussatus* Sheld. (2) FN, SH; 8000-8800'; SCR, SLV.
**Astragalus cicer* L. (3) LA, SH; 6400-9800'; BMP, EFH; dst, pjw, ppw.
Astragalus crassicaarpus Nutt. var. *crassicaarpus* (1) HF; 8500'; HPD; sgp.
Astragalus crassicaarpus Nutt. var. *paysonii* (Kelso) Barneby (9) CU, FN, HF, SH; 6000-9500'; EFH, HPD, SLV; mcw, mtg, oks, ppw, sgb, sgp.
Astragalus drummondii Dougl. ex Hook. (60) CF, CT, CU, FN, HF, LA, PE, SH; 4900-9725'; BMP, EFH, HPD, SCR, SLV, WMT; dst, gwd, oks, pjw, ppw, sgb, sgp.
Astragalus flexuosus (Hook.) Dougl. ex G. Don var. *flexuosus* (52) CF, CT, CU, FN, HF, LA, PE, SH; 5800-9000'; BMP, EFH, HPD, SCR, SLV, WMT; dst, oks, pjw, ppw, sgb, sgp.
Astragalus gracilis Nutt. (11) CU, FN, HF, LA, PE; 5200-9200'; EFH, SCR; pjw, ppw, sgp.
Astragalus hallii Gray var. *hallii* (11) AL, CT, CU, LA, SH; 8400-10,000'; BMP, CLR, SCR, SLV; dst, mcw, ppw, rwl.
Astragalus lonchocarpus Torr. (10) FN, HF, PE; 5300-7900'; EFH, HPD, WMT; pjw, sgp.
Astragalus lotiflorus Hook. (6) FN, HF, PE; 4800-6900'; EFH; oks, pjw, sgp.
Astragalus miser Dougl. var. *miser* (1) PE; 4900-5000'; EFH; dst.
Astragalus miser Dougl. var. *oblongifolius* (Rydb.) Cronq. (21) CF, CT, CU, FN, HF, SH; 8150-10,800'; CLR, SCR, SLV, WMT; asp, mcw, mtg, ppw.

Astragalus missouriensis Nutt. var. *missouriensis* (45) FN, HF, LA, PE; 4800-8800'; HPD, EFH; dst, gwd, oks, pjw, ppw, sgp.

Astragalus parryi Gray (13) AL, CF, CU, FN; 7400-11,300'; CLR, HPD, SCR, SLV, WMT; asp, dst, lpp, mcw, pjw, ppw.

Astragalus puniceus Osterh. var. *puniceus* (5) CT, LA, FN; 5900-8800'; EFH, SCR; dst, oks, pjw, sgb, sgp.

Astragalus racemosus Pursh var. *racemosus* (9) FN, LA, PE; 5100-6900'; EFH; gwd, pjw, sgp.

Astragalus robbinsii (Oakes) Gray var. *minor* (Hook.) Barneby (4) SH; 9800-11,200'; BMP; bcp, lpp, mtg, sgb.

Astragalus scopulorum Porter (10) CF, CT, FN, LA, SH; 7800-9600'; BMP, CLR, SCR, SLV; bcp, pjw, ppw, rwl, sgb.

Astragalus shortianus Nutt. (18) CF, CU, HF, LA, PE, SH; 4900-9860'; BMP, EFH, SCR, SLV, WMT; asp, pjw, ppw.

Astragalus sparsiflorus Gray var. *sparsiflorus* (2) CU; 8800-10,000'; SCR, SLV, WMT; asp, mcw.

Astragalus tenellus Pursh (7) CU, LA, PE, SH; 5800-9600'; BMP, EFH, SCR; mcw, oks, pjw, ppw, rwl, sgb.

Caesalpinia drepanocarpa (Gray) Fisher (1) FN; 5850'; EFH; pjw.

**Caragana arborescens* Lam. (1) PE; 5850'; EFH; dst.

**Coronilla varia* L. (3) LA, PE; 5800-7700'; EFH; dst, pjw.

Dalea candida Michx. var. *oligophylla* (Torr.) Shinnars (25) CU, FN, HF, LA, PE; 4900-7700'; EFH, HPD; dst, oks, pjw, rwl, sgp.

Dalea jamesii (Torr.) T. & G. (7) FN, HF, PE; 4900-7900'; EFH, HPD; pjw, sgp.

Dalea leporina (Ait.) Bullock (1) CT; 7700'; SLV, rwl.

Dalea purpurea Vent. var. *purpurea* (9) HF, LA, PE; 5300-8000'; EFH; dst, sgp, rwl.

Gleditsia triacanthos L. (1) PE; 5450'; EFH; rwl.

Glycyrrhiza lepidota Nutt. ex Pursh var. *lepidota* (11) CT, FN, HF, LA, PE, SH; 5450-8500'; CLR, EFH, SLV; dst, mcw, mwl, pjw, ppw, rwl.

Hedysarum boreale Nutt. var. *boreale* (15) FN, HF, LA, PE; 5420-7400'; EFH; pjw, sgp.

Lathyrus eucosmus Butters & St. John (10) HF, LA, PE; 5300-8400'; CLR, EFH; oks, pjw, ppw, rwl.

Lathyrus lanszwertii Kellogg var. *leucanthus* (Rydb.) Dorn (20) CT, CU, FN, HF, PE; 7400-10,000'; CLR, SCR, WMT; asp, mcw, mtg, oks, ppw.

**Lathyrus latifolius* L. (3) LA, PE; 5870-6000'; EFH; dst, rwl.

Lupinus argenteus Pursh var. *argenteus* (29) CT, CU, HF, LA, SH; 6780-11,000'; CLR, EFH, HPD, SCR, SLV, WMT; bcp, dst, mcw, mtg, oks, pjw, ppw, rwl, sgb.

Lupinus argenteus Pursh var. *argophyllus* (Gray) Wats. (11) CT, CU, HF, SH; 8000-9400'; HPD, SCR, SLV; mtg, rwl, sgb.

Lupinus argenteus Pursh var. *fulvomaculatus* (Pays.) Barneby (26) CF, CT, CU, FN, PE, SH; 8000-11,600'; BMP, SCR, SLV, WMT; asp, dst, lpp, mcw, mtg, ppw, rwl, sgb.

Lupinus argenteus Pursh var. *rubricaulis* (Greene) Welsh (3) CF, PE; 7800-8900'; BMP, WMT; dst, ppw.

Lupinus kingii Wats. (6) HF, LA, SH; 6600-10,000'; BMP, EFH, SLV; pjw, ppw.

Lupinus plattensis Wats. (14) CU, FN, HF, LA, PE; 4900-9000'; CLR, EFH, HPD, WMT; dst, oks, pjw, ppw, rwl, sgp.

Lupinus pusillus Pursh var. *pusillus* (25) AL, CT; 4900-8850'; BMP, EFH, SLV; gwd, pjw, sgb, sgp.

**Medicago lupulina* L. (33) CT, CU, FN, LA, PE; 5960-9725'; CLR, EFH, HPD, SCR, WMT; asp, dst, mcw, mtg, oks, pjw, ppw, rwl.

**Medicago sativa* L. (34) CT, CU, FN, HF, LA, PE, SH; 5000-8200'; CLR, EFH, HPD, SLV, WMT; dst, gwd, oks, pjw, ppw, rwl, sgp.

**Melilotus albus* Medic. (21) CT, CU, FN, HF, LA, PE; 5450-9400'; EFH, HPD, SCR, SLV, WMT; dst, gwd, mcw, mtg, oks, pjw, rwl.

**Melilotus officinalis* (L.) Pall. (101) CF, CT, CU, FN, HF, LA, PE, SH; 4900-10,000'; BMP, CLR, HPD, EFH, SCR, SLV, WMT; asp, dst, mtg, oks, pjw, ppw, rwl, sgb, sgp.

Onobrychis viciifolia Scop. (2) CU, LA; 7200-8100'; EFH, HPD; dst, mtg.

Oxytropis deflexa (Pall.) DC. var. *sericea* T. & G. (3) FN, SH; 8000-8800'; SCR, SLV; pjw, ppw, rwl.

Oxytropis lambertii Pursh var. *lambertii* (65) AL, CF, CT, CU, FN, HF, LA, PE, SH; 5200-10,150'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, dst, mcw, mtg, oks, pjw, rwl, sgb, sgp.

!*Oxytropis parryi* Gray (1) SH; 9400-9800'; BMP; mtg.

Oxytropis sericea Nutt. var. *sericea* (56) CT, CU, FN, HF, LA, PE, SH; 4800-10,300'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, mcw, mtg, pjw, sgb, sgp, rwl.

Oxytropis viscida Nutt. var. *viscida* (2) CU, SH, 8800-13,200'; SCR, SLV; amd, mtg.

Psoralidium lanceolatum (Pursh) Rydb. (9) HF, PE, SH; 4900-9100'; EFH, HPD, SLV; dst, pjw, ppw, sgp.

Psoralidium tenuiflorum (Pursh) Rydb. (27) FN, LA, PE; 4900-8400'; EFH; dst, oks, pjw, ppw, rwl, sgp.

Robinia neomexicana Gray var. *neomexicana* (15) HF; 5870-9300'; CLR, EFH; dst, mcw, oks, pjw, rwl.

Robinia pseudoacacia L. (1) FN; 7100-7200'; SCR; rwl.

Sophora nuttalliana Turner (12) FN, HF, LA, PE; 4800-6800'; EFH; dst, gwd, pjw, sgp.

**Sphaerophysa salsula* (Pall.) DC. (1) SH; 8200'; SLV; sgp.

Thermopsis montana Nutt. var. *divaricarpa* (A. Nels.) Dorn (57) CF, CT, CU, FN, HF, LA, PE, SH; 6040-11,700'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, bcp, mcw, mtg, oks, ppw, rwl, sgb.

Thermopsis montana Nutt. var. *montana* (18) AL, CF, CT, CU, FN, PE, SH; 6000-11,400'; BMP, CLR, HPD, SCR, WMT; asp, dst, mcw, pjw, ppw, rwl.

Thermopsis rhombifolia (Nutt. ex Pursh) Nutt. ex Richards. var. *rhombifolia* (9) HF, LA, SH; 7000-9200'; BMP, EFH, HPD, SLV; oks, pjw, ppw, sgb.

- Trifolium attenuatum* Greene (28) CT, CU, HF, LA, SH; 9200-13,400'; CLR, SCR, WMT, amd, asp, bcp, mcw, mtg.
- Trifolium dasyphyllum* T. & G. (26) AL, CF, CT, CU, HF, PE, SH; 10,500-14,064'; BMP, CLR, SCR, WMT; amd, bcp, lpp, mcw, mtg.
- **Trifolium hybridum* L. (6) CU, LA, SH; 7984-8800'; CLR, HPD, SLV; mtg, pjw, ppw, rwl, sgb.
- Trifolium longipes* Nutt. var. *reflexum* A. Nels. (3) CT, SH; 11,200-12,700'; BMP, CLR; mcw.
- Trifolium longipes* Nutt. var. *rusbyi* (Greene) Harrington (1) AL; 9800'; BMP; mcw.
- Trifolium nanum* Torr. (22) AL, CT, CU, HF, LA, PE, SH; 10,600-14,064'; BMP, CLR, SCR, WMT; amd.
- Trifolium parryi* Gray ssp. *salictorum* (Greene ex Rydb.) J. Gillett (12) AL, CT, CU, HF, LA, SH; 11,000-13,600'; BMP, CLR, SCR; amc, mcw.
- **Trifolium pratense* L. var. *pratense* (49) CF, CT, CU, FN, HF, LA, PE, SH; 5870-10,380'; CLR, EFH, HPD, SCR, SLV, WMT; asp, dst, mcw, mtg, oks, pjw, ppw, rwl, sgb.
- **Trifolium repens* L. (41) CF, CT, CU, FN, HF, LA, PE, SH; 6300-12,700'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp bcp, dst, lpp, mcw, oks, ppw, rwl, sgb, sgp.
- Vicia americana* Muhl. ex Willd. var. *americana* (29) CT, CU, FN, HF, LA, PE; 7200-11,400'; CLR, EFH, HPD, SCR, WMT; asp, mcw, mtg, oks, pjw, rwl, sgb.
- Vicia americana* Muhl. ex Willd. var. *minor* Hook. (38) AL, CU, FN, HF, LA, PE; 4700-11,400'; CLR, EFH, HPD, SCR, WMT; dst, gwd, mcw, oks, pjw, rwl, sgp.
- Vicia ludoviciana* Nutt. var. *ludoviciana* (2) FN, HF; 5900-6900'; EFH; oks, sgp.
- **Vicia villosa* Roth (3) LA, PE; 6040-7600'; EFH; dst, ppw.

Fagaceae

- Quercus gambelii* Nutt. (91) CF, CT, CU, FN, HF, LA, PE, SH; 4900-9725'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, dst, oks, mcw, pjw, ppw, rwl, sgb, sgp.
- Quercus turbinella* Greene (3) HF, LA; 6100-7400'; EFH; oks, pjw, sgp.
- Quercus undulata* Torr. (15) CU, FN, LA; 5800-6500'; EFH, WMT; dst, oks, pjw, sgp.

Fumariaceae

- Corydalis aurea* Willd. var. *aurea* (21) AL, CF, CU, HF, LA, SH; 7900-11,400'; BMP, CLR, HPD, SCR, SLV, WMT; asp, bcp, dst, mtg, oks, pjw, ppw, rwl.
- Corydalis aurea* Willd. var. *occidentalis* Engelm. ex Gray (26) CF, CT, FN, HF, LA, PE, SH; 4800-10,000'; BMP, EFH, SLV, WMT; dst, mcw, oks, pjw, ppw, rwl, sgb, sgp.
- **Fumaria vaillantii* Loisel (5) LA, PE; 5450-6300'; EFH; pjw, rwl, sgp.

Gentianaceae

- !*Eustoma grandiflorum* (Raf.) Shinnars (1) FN; 5100'; EFH; sgp.

Frasera speciosa Dougl. ex Griseb. (22) CF, CT, CU, FN, HF, LA, PE; 7250-12,620'; CLR, EFH, SCR, WMT; amd, asp, mcw, mtg, ppw.
Gentiana algida Pall. (3) CT, HF; 11,000-13,517'; CLR; amd.
Gentiana parryi Engelm. (1) HF; 10,600'; SCR; mcw.
Gentiana prostrata Haenke (2) HF, LA; 11,800-13,626'; CLR; amd.
Gentianella amarella (L.) Borner var. *acuta* (Michx.) Herder (13) AL, CT, CU, HF, PE, SH; 6600-12,800'; BMP, CLR, SCR, WMT; amd, mcw, pjw.
Gentianella amarella (L.) Borner var. *amarella* (4) CT; 11,400-12,300'; CLR; amd, mcw, mwl.
Gentianopsis detonsa (Rottb.) Ma var. *elegans* (A. Nels.) N. Holmgren (3) CT, SH; 8,000-11,800'; CLR, SLV; mwl.
Swertia perennis L. (5) AL, CT, FN, HF; 10,600-12,200'; CLR, SCR; amd, mcw, mwl.

Geraniaceae

**Erodium cicutarium* (L.) L'Her. ex Ait. (44) AL, FN, HF, LA, PE, SH; 4800-9000'; CLR, EFH, HPD, SCR, SLV; dst, oks, pjw, ppw, rwl, sgp.
Geranium atropurpureum Heller var. *cowenii* (Rydb.) Dorn (14) CF, CU, FN, HF, LA, SH; 7600-9800'; BMP, CLR, SCR, SLV, WMT; mtg, ppw, sgb.
Geranium caespitosum James var. *caespitosum* (8) CT, CU, FN; 6800-11,400'; HPD, CLR, WMT; asp, mtg, ppw, pjw.
Geranium caespitosum James var. *fremontii* (Torr. ex Gray) Dorn (37) AL, CF, CT, CU, FN, HF, LA, PE, SH; 6600-10,400'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; bcp, mcw, mtg, oks, pjw, ppw, rwl, sgb.
Geranium richardsonii Fisch. & Trautv. (52) AL, CF, CT, CU, FN, HF, LA, PE, SH; 8000-12,200'; BMP, CLR, HPD, SCR, SLV, WMT; asp, dst, lpp, mcw, mtg, rwl, sgb.
Geranium viscosissimum Fisch. & Mey. ex Mey. var. *nervosum* (Rydb.) C. L. Hitchc. (24) CU, FN, HF, LA, PE; 6400-10,380'; BMP, CLR, EFH, SCR, WMT; asp, dst, oks, pjw, ppw, rwl.

Grossulariaceae

Ribes aureum Pursh var. *aureum* (16) CF, CT, FN, HF, LA, PE, SH; 5100-8900'; BMP, CLR, EFH, HPD, SLV; dst, gwd, mwl, pjw, ppw, rwl.
Ribes aureum Pursh var. *villosum* DC. (2) HF; 6400-7700'; HPD; pjw, ppw.
Ribes cereum Dougl. var. *pedicellare* Brewer & Wats. (106) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4800-10,400'; BMP, CLR, EFH, SCR, SLV, WMT; asp, bcp, dst, mcw, mtg, oks, pjw, ppw.
Ribes coloradense Cov. (2) AL, HF; 9500-11,800'; CLR, SCR; mcw.
Ribes inerme Rydb. var. *inerme* (15) AL, CF, CT, FN, HF, LA, SH; 7080-11,800'; BMP, CLR, EFH, HPD, SCR, WMT; asp, bcp, mcw, mtg, oks, ppw.
Ribes lacustre (Pers.) Poir. (2) CT, LA; 11,000-11,400'; CLR, SLV; dst, mcw.
Ribes leptanthum Gray (34) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4900-10,400'; BMP, EFH, HPD, SCR, SLV, WMT; bcp, oks, pjw, rwl, sgb.
Ribes montigenum McClat. (30) CF, CT, CU, HF, LA, PE, SH; 5800-12,579'; BMP, CLR, EFH, SCR, WMT; amd, bcp, dst, mcw, mtg.

Ribes wolfii Rothr. (7) CF, CT, HF, LA; 9200-11,300'; CLR, SCR; asp, dst, mcw, mtg, rwl.

Halorag(id)aceae

Myriophyllum sibiricum Kom. (1) HF; 6450'; EFH; mwl.

Hydrangeaceae

Jamesia americana T. & G. var. *americana* (31) AL, CF, CU, FN, HF, LA, PE, SH; 6600-10,900'; CLR, EFH, SCR, SLV, WMT; bcp, dst, mcw, oks, pjw, ppw, rwl.

Philadelphus argenteus Rydb. (5) FN; 6000-7100'; HPD, WMT; pjw, rwl.

Hydrocharitaceae

Elodea longivaginata St. John (1) PE; 6800'; WMT; mwl.

Hydrophyllaceae

Ellisia nyctelea (L.) L. (12) HF, LA, PE; 5850-7400'; EFH; dst, oks, pjw, sgp.

Hydrophyllum fendleri (Gray) Heller var. *fendleri* (13) AL, CT, CU, HF, LA, PE, SH; 7000-12,683'; CLR, SCR, SLV, WMT; amd, asp, mcw, pjw, rwl.

Nama dichotomum (R. & P.) Choisy (2) SH; 8200-9300'; SLV; mtg.

Phacelia bakeri (Brand) J. F. Macbr. (5) CT, HF, LA; 11,000-13,626'; CLR; amd.

Phacelia denticulata Osterh. (9) CF, CU, HF, SH; 7200-9800'; BMP, HPD, SCR, SLV; dst, pjw, ppw.

Phacelia hastata Dougl. ex Lehm. var. *hastata* (4) CF, SH; 11,000-12,574'; BMP; amd, bcp, lpp.

Phacelia heterophylla Pursh var. *heterophylla* (17) CU, HF, LA, PE, SH; 7000-11,000'; EFH, SCR, WMT; asp, dst, mcw, mtg, oks.

Phacelia neomexicana Thurb. ex Torr. var. *alba* (Rydb.) Brand (9) CF, CT, LA, SH; 8200-10,380'; BMP, CLR, SCR, SLV; mcw, pjw, ppw, rwl.

Phacelia sericea (Grah. ex Hook.) Gray var. *sericea* (21) AL, CT, CU, FN, LA, SH; 10,500-13,971'; BMP, CLR, SCR; amd, bcp, mcw.

Iridaceae

Iris missouriensis Nutt. (32) CF, CT, CU, HF, LA, PE, SH; 6200-12,700'; BMP, CLR, EFH, SLV, WMT; bcp, gwd, mcw, mtg, mwl, oks, pjw, ppw, rwl, sgb.

Sisyrinchium idahoense Bickn. var. *occidentale* (Bickn.) D. Henderson (1) HF; 10,500-10,890'; CLR; mtg, rwl.

Sisyrinchium montanum Greene (6) HF, LA, PE; 7400-10,720'; CLR, EFH, WMT; mtg, oks, ppw, rwl.

Juncaceae

Juncus balticus Willd. var. *montanus* Engelm. (36) AL, CF, CT, CU, FN, HF, LA, SH; 5100-11,800'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, gwd, mcw, oks, pjw, ppw, rwl, sgb, sgp.

Juncus bufonius L. (1) FN; 8000-8800'; SCR; rwl.

Juncus drummondii E. Mey. (13) AL, CT, CU, FN, HF, SH; 8200-12,620'; BMP, CLR, SCR; amd, bcp, lpp, mcw, mtg, mwl.

Juncus ensifolius Wikstr. var. *montanus* (Engelm.) C. L. Hitchc. (5) CF, FN, LA, PE, SH; 6300-9800'; BMP, EFH, SCR, WMT; dst, mcw, pjw, ppw, rwl.
Juncus interior Wieg. var. *interior* (1) HF; 8400-9300'; CLR.
Juncus interior Wieg. var. *neomexicanus* (Wieg.) F. J. Herm. (7) CT, CU, HF, LA, PE; 7200-8700'; EFH, SLV, WMT; mcw, mwl, pjw, ppw, rwl.
Juncus longistylis Torr. var. *longistylis* (4) CU, LA, PE; 6800-8500'; CLR, EFH, HPD; mwl, oks, rwl.
Juncus mertensianus Bong. (16) AL, CU, FN, HF, LA, PE, SH; 7400-12,200'; BMP, EFH, SCR, WMT; bcp, mcw, oks, rwl.
Juncus nodosus L. (2) CU, LA; 8400-10,600'; CLR, WMT; mcw, mwl.
Juncus parryi Engelm. (4) CT, HF; 7200-12,800'; CLR, HPD, SCR; amd, pjw.
Juncus tenuis Willd. var. *dudleyi* (Wieg.) F. J. Herm. (3) FN, HF, LA; 6000-8500'; CLR, EFH, WMT; mcw, mwl, oks, rwl.
Juncus torreyi Cov. (4) HF, LA; 6000-8500'; CLR, EFH; mwl, oks, rwl.
Luzula comosa E. Mey. (3) CF, CU; 7800-10,600'; BMP, HPD, WMT; mcw, rwl.
Luzula parviflora (Ehrh.) Desv. (35) AL, CF, CT, CU, HF, LA, SH; 9000-12,400'; BMP, CLR, SCR, WMT; amd, asp, bcp, lpp, mcw, mwl, rwl.
Luzula spicata (L.) DC. (25) AL, CF, CT, CU, HF, LA, SH; 9000-12,400'; BMP, CLR, SCR, WMT; amd, bcp, dst, lpp, mcw, mtg.

Juncaginaceae

Triglochin maritimum L. var. *elatum* (Nutt.) Gray (5) CU, FN, LA; 5100-8040'; EFH, HPD; mwl, pjw, rwl.

Lamiaceae

Clinopodium vulgare L. (1) LA; 7600-8600'; EFH.
Dracocephalum parviflorum Nutt. (22) AL, CT, CU, FN, HF, LA, PE, SH; 5450-10,000'; CLR, EFH, SCR, WMT; dst, mcw, mtg, oks, pjw, ppw, rwl.
Hedeoma drummondii Benth. (8) CT, LA, PE; 4800-8300'; EFH, SLV; oks, pjw, sgb, sgp.
Lycopus americanus Muhl. ex Barton (1) HF; 6450'; EFH; mwl, rwl.
 **Marrubium vulgare* L. (46) FN, HF, LA, PE; 4900-8800'; CLR, EFH, HPD; dst, gwd, oks, pjw, sgp, rwl.
 **Mentha arvensis* L. (6) CT, CU, HF, LA, PE, SH; 5450-8700'; CLR, EFH, SLV; mwl, ppw, rwl.
Mentha spicata L. (1) PE; 5850'; EFH; dst.
Monarda fistulosa L. var. *menthifolia* (Grah.) Fern. (4) CU, FN, LA, PE, SH; 7200-9400'; EFH, HPD, SCR; dst, mcw.
Monarda pectinata Nutt. (4) PE, SH; 5020-9200'; EFH, SCR, SLV; mcw, pjw, rwl, sgp.
 **Nepeta cataria* L. (3) LA, PE; 5800-6000'; EFH; dst, mwl, rwl.
Prunella vulgaris L. var. *lanceolata* (Barton) Fern. (4) CT, LA, PE; 8000-8700'; CLR, EFH, SCR, WMT; mwl, rwl.
Salvia reflexa Hornem. (3) HF; 6500-6600'; EFH; oks, pjw, rwl.
Scutellaria brittonii Porter (21) CU, FN, HF, LA, PE; 5500-9000'; CLR, EFH, HPD, SCR, WMT; mcw, oks, pjw, ppw, rwl, sgp.

Scutellaria galericulata L. (1) SH; 8000'; SLV; mwl.
Stachys palustris L. var. *pilosa* (Nutt.) Fern. (7) CT, CU, LA, SH; 7250-8700';
CLR, EFH, HPD, SCR, SLV; mwl, oks, ppw, rwl.
Teucrium laciniatum Torr. (13) HF, LA, PE; 4900-6800'; EFH; dst, gwd, oks, pjw,
sgp.

Lemnaceae

Lemna minor L. (7) CT, CU, HF, PE, SH; 6450-8750'; EFH, HPD, SLV, WMT;
mwl.
Lemna turionifera Landolt (4) CT, CU, LA, PE; 5870-8600'; EFH, SCR, WMT;
mwl.

Lentibulariaceae

Utricularia vulgaris L. (1) LA; 8600-8700'; EFH; mwl.

Liliaceae

Allium cernuum Roth (39) AL, CF, CT, CU, FN, HF, LA, SH; 6700-10,380'; BMP,
CLR, EFH, SCR, SLV, WMT; dst, lpp, mcw, mtg, oks, pjw, ppw.
Allium geyeri Wats. var. *geyeri* (25) CT, CU, FN, LA, PE, SH; 5420-13,000'; CLR,
EFH, SCR, WMT; amd, bcp, mcw, mtg, oks, ppw.
Allium textile Nels. & Macbr. (40) CU, FN, HF, LA, PE; 4700-8800'; CLR, EFH,
HPD, SCR; dst, gwd, pjw, ppw, sgp.
**Asparagus officinalis* L. (9) CT, CU, FN, SH; 5100-8000'; EFH, HPD, SLV; gwd,
pjw, rwl, sgb, sgp.
Calochortus gunnisonii Wats. var. *gunnisonii* (18) AL, CF, CT, CU, FN, HF, LA,
PE, SH; 6100-12,800'; CLR, EFH, SCR, SLV, WMT; amd, mcw, mtg, oks, pjw,
ppw.
Disporum trachycarpum (Wats.) Benth. & Hook. (2) CU, PE; 6600-8700'; WMT;
rwl.
Leucocrinum montanum Nutt. ex Gray (7) LA, PE; 4800-6500'; EFH; dst, pjw, sgp.
Lloydia serotina (L.) Rchb. var. *serotina* (16) AL, CT, CU, FN, HF, LA, PE, SH;
11,000-13,600'; BMP, CLR, SCR, WMT; amd, mtg.
Maianthemum racemosum (L.) Link var. *amplexicaule* (Nutt.) Dorn (26) CT, CU,
FN, HF, LA, PE, SH; 7500-10,400'; BMP, CLR, WMT; amd, asp, bcp, mcw,
ppw, rwl.
Maianthemum stellatum (L.) Link (52) AL, CF, CT, CU, FN, HF, LA, PE, SH;
6250-10,400'; CLR, HPD, SCR, SLV, WMT; mcw, rwl.
Streptopus amplexifolius (L.) DC. (15) CT, CU, HF, LA, PE, SH; 8600-11,100';
CLR, SCR, WMT; mcw, rwl.
Veratrum californicum Durand var. *californicum* (1) CT; 11,800'; CLR; mwl.
Veratrum tenuipetalum Heller (8) CT, CU, HF, LA, SH; 8000-12,000'; BMP, CLR,
SCR; amd, mcw, mwl, rwl.
Zigadenus elegans Pursh (33) AL, CT, CU, FN, HF, LA, PE, SH; 8040-13,400';
BMP, CLR, EFH, HPD, SCR, WMT; amd, asp, mcw, mtg, oks, rwl.
Zigadenus venenosus Wats. var. *gramineus* (Rydb.) Walsh ex Peck (12) CT, HF,
LA, PE; 5300-7250'; CLR, EFH; dst, pjw, ppw, sgp.

Linaceae

- Linum australe* Heller var. *australe* (1) LA; 6700'; EFH; dst.
Linum lewisii Pursh var. *lewisii* (55) CF, CT, CU, FN, HF, LA, PE, SH; 4800-12,574'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; amd, dst, mtg, oks, pjw, ppw, rwl, sgb, sgp.
Linum puberulum (Engelm.) Heller (18) CU, FN, HF, LA, PE; 5000-8800'; CLR, EFH, HPD, WMT; dst, pjw, ppw, sgp.

Loasaceae

- Mentzelia albicaulis* (Dougl. ex Hook.) Dougl. ex T. & G. (17) AL, CT, FN, HF, PE, SH; 4900-8300'; EFH, HPD, SLV; oks, pjw, sgb, sgp.
Mentzelia decapetala (Pursh ex Sims) Urban & Gilg ex Gilg (3) FN, LA, PE; 5020-5800'; EFH; dst, pjw, sgp.
! *Mentzelia densa* Greene (2) FN; 6800-7600'; SCR; pjw.
Mentzelia dispersa Wats. (1) SH; 8000'; SLV; pjw.
Mentzelia laciniata (Rydb.) J. Darl. (2) AL, CT; 7500-7700'; SLV; dst.
Mentzelia multiflora (Nutt.) Gray (6) FN, PE, SH; 5200-9000'; EFH, HPD, SLV; dst, pjw, sgp.
Mentzelia nuda (Pursh) T. & G. (1) HF; 6600'; EFH; pjw.
Mentzelia reverchonii (Urb. & Gilg) H. J. Thomps. & Zavor (10) FN, HF, LA, PE, SH; 4900-9000'; EFH; SLV; dst, oks, pjw, sgp.
Mentzelia rusbyi Woot. (2) LA, PE; 5300-8500'; CLR, EFH; dst.
Mentzelia speciosa Osterh. (18) AL, CF, CU, FN, LA, PE, SH; 6000-8700'; EFH, HPD, SCR, SLV; dst, oks, pjw, sgp.

Malvaceae

- Iliamna rivularis* (Dougl. ex Hook.) Greene (1) CF; 9300'; SCR; ppw.
* *Malva neglecta* Wallr. (12) CU, HF, LA, PE; 4900-8800'; CLR, EFH, WMT; dst, mtg, oks, pjw, ppw.
Sidalcea candida Gray (9) CT, CU, HF, LA; 8000-11,000'; CLR, SCR; asp, mcw, mwl, rwl.
Sidalcea neomexicana Gray var. *neomexicana* (4) CT, CU, SH; 7900-8600'; HPD, SCR, SLV; dst, rwl.
Sphaeralcea coccinea (Nutt.) Rydb. (98) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4700-9400'; BMP, CLR, EFH, HPD, SCR, SLV, WMT.

Moraceae

- * *Morus alba* L. (1) LA; 6100'; EFH; rwl.

Nyctaginaceae

- ! *Abronia carletonii* Coult. & Fisher (1) CF; 7200-7800'; SCR; pjw.
Abronia fragrans Nutt. ex Hook. var. *fragrans* (13) FN, HF, PE; 4900-7900'; EFH, HPD, WMT; pjw, sgp.
Mirabilis hirsuta (Pursh) MacM. (3) CU, FN; 7350-9100'; HPD; dst, mtg, pjw;
Mirabilis linearis (Pursh) Heimerl (33) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4900-11,800'; BMP, CLR, EFH, SCR, SLV, WMT; dst, mcw, oks, pjw, rwl.

Mirabilis multiflora (Torr.) Gray var. *multiflora* (34) AL, CF, CT, FN, HF, LA, PE, SH; 4900-9300'; CLR, EFH, HPD, SCR, SLV, WMT; dst, gwd, pjw, sgb, sgp.
Mirabilis nyctaginea (Michx.) MacM. (6) FN, LA, PE; 4900-7080'; EFH; dst, rwl.
Mirabilis oxybaphoides (Gray) Gray (6) AL, FN, SH; 6800-11,800'; SCR, SLV; mcw, mtg.
 !*Mirabilis rotundifolia* (Greene) Standl. (1) PE; 5540'; EFH; sgp.
Tripterocalyx micranthus (Torr.) Hook. (20) AL, CT, FN, HF, PE; 4900-9000'; EFH, HPD, SLV; dst, pjw, sgb, sgp.

Oleaceae

Fraxinus pennsylvanica Marsh. (1) FN; 5100'; EFH; dst.
Menodora scabra Gray (3) FN, PE; 4900-5200'; EFH; sgp.

Onagraceae

Calylophus lavandulifolius (T. & G.) Raven (6) FN, LA, PE; 4800-5540'; EFH; pjw, sgp.
Circaea alpina L. var. *alpina* (2) CU; 8800-12,000'; SCR, WMT; amd, mcw.
Epilobium anagallidifolium Lam. (2) SH; 9000-9800'; BMP, SCR; mcw.
Epilobium angustifolium L. var. *canescens* Wood (16) AL, CT, CU, FN, HF, LA, SH; 8000-11,800'; BMP, CLR, SCR, WMT; mcw, ppw.
Epilobium brachycarpum Presl (8) CU, HF, LA, PE, SH; 6600-9700'; CLR, EFH, SCR, WMT; dst, mcw, rwl.
Epilobium ciliatum Raf. var. *ciliatum* (7) CU, FN, HF, LA, SH; 6600-10,000'; BMP, CLR, EFH, SCR, WMT; mcw, oks, ppw, rwl.
Epilobium clavatum Trel. (7) CT, CU, HF, SH; 10,400-12,800'; BMP, CLR, SCR; amd, mcw, rwl.
Epilobium halleanum Hausskn. (7) CT, CU, LA, SH; 7250-11,800'; BMP, CLR, EFH, WMT; mcw, mwl, ppw, rwl.
Epilobium hornemannii Rchb. ssp. *hornemannii* (1) CF; 9400'; BMP; rwl.
Epilobium saximontanum Hausskn. (10) AL, CT, CU, LA, SH; 8000-12,200'; CLR, HPD, SCR, SLV; mcw, pjw, rwl.
Gaura coccinea (Nutt.) Pursh (78) CF, CT, CU, HF, FN, LA, PE, SH; 4800-11,000'; BMP, CLR, EFH, HPD, SCR, SLV; dst, oks, pjw, ppw, rwl, sgb, sgp.
Gaura parviflora Dougl. ex Lehm. (25) FN, HF, LA, PE; 4900-7200'; HPD, EFH; dst, gwd, rwl, sgp.
Gayophytum diffusum T. & G. var. *strictipes* (Hook.) Dorn (7) CF, FN, HF, SH; 8150-11,300'; BMP, SCR, SLV; asp, dst, mcw, mtg.
Gayophytum racemosum T. & G. (1) HF; 8400-8800'; WMT; ppw.
Gayophytum ramosissimum T. & G. (11) CT, CU, FN, HF, PE, SH; 5800-9200'; EFH, HPD, SCR, SLV; mcw, pjw, ppw, rwl, sgb.
Oenothera albicaulis Pursh (47) CF, CT, CU, FN, HF, LA, PE, SH; 4800-9800'; CLR, BMP, EFH, HPD, SCR, SLV, WMT; dsc, dst, gwd, oks, pjw, ppw, rwl, sgb, sgp.
Oenothera cespitosa Nutt. var. *macroglottis* (Rydb.) Cronq. (42) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4700-12,800'; BMP, CLR, EFH, HPD, SCR, WMT; amd, asp, bcp, dsc, dst, gwd, pjw, ppw, rwl, sgb, sgp.

- Oenothera coronopifolia* T. & G. (60) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4900-9725'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; mcw, mtg, oks, pjw, ppw, rwl, sgb, sgp.
- Oenothera elata* Kunth ssp. *hirsutissima* (Gray ex Wats.) W. Dietr. (14) CT, CU, HF, LA; 6000-10,400'; CLR, EFH, SCR, SLV; asp, dst, mcw, oks, pjw, ppw, rwl.
- Oenothera flava* (A. Nels.) Garrett (2) SH; 8700-9800'; BMP, SLV; mcw, rwl.
- Oenothera harringtonii* W. L. Wagner (3) HF, PE; 5300-6400'; EFH; pjw, sgp.
- Oenothera pallida* Lindl. var. *runcinata* (Engelm.) Cronq. (1) AL; 8030'; SLV; pjw.
- Oenothera pallida* Lindl. var. *trichocalyx* (Nutt.) Dorn (2) AL, SH; 7500-7650'; SLV; dsc, dst.
- Oenothera villosa* Thunb. var. *strigosa* (Rydb.) Dorn (6) CU, LA, PE; 8000-8800'; CLR, WMT; dst, mcw, rwl.

Orchidaceae

- Calypto bulbosa* (L.) Oakes var. *americana* (R. Br.) Luer (8) CU, HF, PE; 8400-10,900'; CLR, WMT; mcw, mtg.
- Coeloglossum viride* (L.) Hartm. var. *virescens* (Muhl. ex Willd.) Luer (3) CF, CU, LA; 8150-11,000'; BMP, CLR, SLV, SCR; mcw, rwl.
- Corallorrhiza maculata* (Raf.) Raf. (35) CF, CT, CU, FN, HF, LA, PE, SH; 7200-10,400'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, lpp, mcw, mtg, pjw, ppw, rwl.
- Corallorrhiza striata* Lindl. (2) PE, 8000-8700'; WMT; mcw, ppw.
- Corallorrhiza trifida* Chat. (2) CF, PE; 7360-8900'; BMP, WMT; oks, ppw.
- Corallorrhiza wisteriana* Conrad (4) CF, CU, FN, PE; 7500-10,400'; BMP, WMT; lpp, mcw, rwl.
- Goodyera oblongifolia* Raf. (14) CU, FN, HF, PE; 7200-11,000'; CLR, HPD, SCR, WMT; mcw, pjw.
- Listera cordata* (L.) R. Br. (3) CU, HF, SH; 10,900-11,600'; CLR, SCR; mcw, rwl.
- Piperia unalascensis* (Spreng.) Rydb. (2) LA; 8000-10,380'; CLR; mcw, rwl.
- Platanthera aquilonis* Sheviak (3) LA; 8000-10,200'; CLR; mcw, mwl, rwl.
- Platanthera hyperborea* (L.) Lindl. var. *hyperborea* (6) CT, CU, HF, LA; 8040-10,000'; CLR, HPD, SCR; asp, mcw, rwl.
- Platanthera obtusata* (Banks ex Pursh) Lindl. (2) CF, SH; 10,400-11,200'; BMP; lpp, mcw.
- Platanthera stricta* Lindl. (21) CT, CU, FN, HF, LA, PE, SH; 7200-12,200'; BMP, CLR, HPD, SCR, WMT; asp, mcw, mwl, pjw, rwl.

Orobanchaceae

- Orobanche fasciculata* Nutt. (11) CF, CT, CU, HF, LA, SH; 6500-9800'; BMP, EFH, HPD, SLV; bcp, pjw, ppw, sgb.

Oxalidaceae

- Oxalis dillenii* Jacq. (1) HF; 7300'; WMT; pjw.
- Oxalis stricta* L. (1) LA; 7250'; EFH; ppw.
- Oxalis violacea* L. (3) HF, LA, PE; 6600-8400'; HPD, WMT; pjw, ppw, rwl.

Papaveraceae

- Argemone hispida* Gray (22) CF, CU, FN, HF, LA, PE; 4900-8900'; BMP, EFH, HPD; dst, gwd, oks, pjw, ppw, sgp.
Argemone polyanthemus (Fedde) G. Ownbey (4) HF, LA; 6200-6400'; EFH; dst, pjw, sgp.
! *Papaver lapponicum* (Tolm) Nordh. ssp. *occidentale* (Lundstr.) Knaben (1) CT; 13,000-13,517'; CLR; amd.

Plantaginaceae

- * *Plantago lanceolata* L. (36) FN, HF, LA, PE; 4900-8800'; CLR, EFH; dst, mcw, mtg, mwl, oks, pjw, ppw, rwl, sgp.
* *Plantago major* L. var. *major* (8) CT, FN, LA, SH; 6600-11,750'; CLR, EFH, SCR, SLV, WMT; amd, mcw, mtg, rwl, sgp.
Plantago major L. var. *pachyphylla* Pilg. (3) LA, FN, PE; 8150-8800'; EFH, SCR, WMT; dst, mcw.
Plantago patagonica Jacq. var. *patagonica* (19) FN, HF, LA, PE; 4900-7900'; EFH, HPD; dst, gwd, oks, pjw, rwl, sgp.

Poaceae

- * *Aegilops cylindrica* Host (15) FN, HF, LA, PE; 4900-7700'; EFH; dst, oks, pjw, rwl, sgp.
* *Agropyron cristatum* (L.) Gaertn. var. *cristatum* (24) AL, CT, CU, FN, HF, LA, PE, SH; 4900-9500'; CLR, EFH, HPD, SCR, SLV, WMT; asp, dst, gwd, oks, pjw, ppw, rwl, sgp, sgp.
* *Agropyron cristatum* (L.) Gaertn. var. *desertorum* (Fisch. ex Link) Dorn (16) CF, CT, CU, FN, HF, LA, PE, SH; 4700-8900'; CLR, EFH, HPD, SCR, SLV; dst, gwd, mtg, oks, pjw, ppw, rwl, sgp, sgp.
* *Agrostis gigantea* Roth (5) CT, FN, LA, PE; 5450-10,000'; CLR, EFH, SCR, SLV; mtg, rwl.
Agrostis scabra Willd. var. *scabra* (17) AL, CF, CT, HF, LA, PE, SH; 8400-12,200'; BMP, CLR, EFH, SCR, SLV, WMT; amd, dst, mcw, mtg.
* *Agrostis stolonifera* L. (9) FN, LA, PE, SH; 6700-9000'; CLR, EFH, SCR, SLV, WMT; dst, mcw, mtg, oks, rwl.
Agrostis thurberiana Hitchc. (1) LA; 11,800-12,400'; CLR; amd.
Alopecurus aequalis Sobol. var. *aequalis* (8) HF, LA, PE, SH; 5450-9800'; BMP, CLR, EFH, SLV; gwd, mcw, pjw, ppw, rwl.
Alopecurus borealis Trin. (1) HF; 11,000-11,200'; WMT; mtg.
Alopecurus pratensis L. (4) CU, HF, LA, SH; 8200-11,500'; CLR, SCR, SLV, WMT; mcw, mtg, ppw, rwl.
Andropogon gerardii Vitman (3) LA, PE; 5850-7200'; EFH; dst.
Andropogon hallii Hack. (1) LA; 6500'; EFH; oks.
Aristida purpurea Nutt. var. *fendleriana* (Steud.) Vasey (30) CF, CT, CU, FN, HF, LA, PE, SH; 4900-9400'; EFH, HPD, SLV; dst, pjw, sgp, sgp.
Aristida purpurea Nutt. var. *longiseta* (Steud.) Vasey (40) FN, HF, LA, PE; 4800-7600'; EFH, HPD, WMT; dst, oks, pjw, rwl, sgp.
Aristida purpurea Nutt. var. *purpurea* (1) SH; 8200'; SLV; pjw.

Aristida purpurea Nutt. var. *wrightii* (Nash) Allred (2) HF, PE; 5020-7200'; EFH; pjw, sgp.

**Arrhenatherum elatius* (L.) J. & K. Presl var. *elatius* (3) HF, LA; 8800-8900'; CLR, WMT; asp, mcw, mtg, ppw.

**Avena fatua* L. (1) LA; 6700'; EFH; dst.

**Avena sativa* L. (3) AL, CT, SH; 7650-8500'; SLV; dst, pjw.

Beckmannia syzigachne (Steud.) Fern. (1) CU; 8040'; HPD; rwl.

Blepharoneuron tricholepsis (Torr.) Nash (8) HF, LA, PE, SH; 7250-10,380'; BMP, CLR, EFH, SLV, WMT; mcw, mtg, ppw.

**Bothriochloa ischaemum* (L.) Keng var. *songarica* (Rubr. ex Fisch. & C. A. Mey.) Ce (1) HF; 6150'; EFH; sgp.

Bothriochloa laguroides (DC.) Herter ssp. *torreyana* (Steud.) Allred & Gould (6) FN, HF, LA; 5650-6500'; EFH; dst, gwd, oks, rwl, sgp.

Bouteloua curtipendula (Michx.) Torr. var. *curtipendula* (18) FN, HF, LA, PE; 5000-9100'; EFH, SCR, WMT; dst, oks, pjw, sgp.

Bouteloua gracilis (H.B.K.) Lag. var. *gracilis* (48) AL, CF, CT, CU, FN, HF, LA, PE, SH; 5100-10,000'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; dsc, dst, mcw, oks, pjw, ppw, rwl, sgb, sgp.

Bouteloua hirsuta Lag. var. *hirsuta* (1) LA; 6800'; EFH; pjw.

Bromus anomalus Rupr. ex Fourn. (8) AL, CT, CU, LA, SH; 8400-12,800'; BMP, CLR, SCR; amd, dst, mcw, mtg, oks, rwl.

Bromus carinatus H. & A. (1) LA; 5870'; EFH; rwl.

Bromus ciliatus L. (17) AL, CT, CU, FN, HF, LA, SH; 6700-11,800'; BMP, CLR, EFH, HPD, SCR, WMT; amd, bcp, dst, mcw, ppw.

**Bromus inermis* Leyss. var. *inermis* (84) CF, CT, CU, FN, HF, LA, PE, SH; 4900-10,000'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, dst, mcw, mtg, oks, pjw, ppw, rwl, sgb, sgp.

**Bromus japonicus* Thunb. ex J. A. Murray (24) CU, FN, HF, LA, PE; 4900-7200'; EFH, HPD, WMT; dst, gwd, mcw, mtg, oks, pjw, rwl, sgp.

Bromus lanatipes (Shear) Rydb. (17) CT, CU, FN, HF, PE, SH; 6000-10,720'; CLR, HPD, SCR, SLV, WMT; asp, dsc, dst, mcw, pjw, rwl, sgb.

Bromus pubescens Muhl. ex Willd. (2) CF, FN; 8800-10,800'; SCR; dst.

**Bromus tectorum* L. (91) AL, CF, CT, FN, HF, LA, PE, SH; 4800-10,000'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, bcp, dst, mcw, mtg, oks, pjw, ppw, rwl, sgb, sgp.

Buchloe dactyloides (Nutt.) Engelm. (1) PE; 4700'; EFH; sgp.

Calamagrostis canadensis (Michx.) Beauv. (7) AL, CT, CU, LA, SH; 8200-12,200'; CLR, SCR, SLV, WMT; amd, dst, mcw, pjw, rwl.

Calamagrostis inexpansa Gray (1) LA; 8600-8700'; EFH.

Calamagrostis montanensis (Scribn.) Scribn. ex Vasey (1) HF; 11,350-12,400'.

Calamagrostis purpurascens R. Br. var. *purpurascens* (9) AL, CF, CT, HF, SH; 9600-13,971'; BMP, CLR, SCR; asp, amd, bcp, mcw.

Catabrosa aquatica (L.) Beauv. var. *aquatica* (5) CU, SH; 8200-9200'; BMP, SLV, WMT; mwl, rwl.

Cenchrus longispinus (Hack.) Fern. (1) FN; 5100'; EFH; dst.

**Dactylis glomerata* L. (57) CF, CT, CU, FN, HF, LA, PE, SH; 5200-11,400'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, dst, mcw, mtg, oks, pjw, ppw, rwl, sgp.

Danthonia intermedia Vasey (2) FN, HF; 10,600-12,200'; SCR; amd, mcw.

Danthonia parryi Scribn. (19) CF, CT, CU, HF, LA, PE, SH; 8000-13,200'; BMP, CLR, EFH, SCR, SLV, WMT; amd, bcp, dst, mcw, mtg, ppw.

Danthonia spicata (L.) Beauv. ex R. & S. (2) PE; 6600-8000'; WMT; rwl.

Deschampsia cespitosa (L.) Beauv. var. *cespitosa* (13) AL, CT, CU, FN, HF, LA, SH; 8600-13,600'; BMP, CLR, EFH, SCR, WMT; amd, asp, lpp, mcw, mtg, rwl.

Dichanthelium oligosanthes (Schult.) Gould var. *scribnerianum* (Nash) Gould (5) HF, PE; 4900-8000'; EFH, HPD, WMT; dst, sgp.

Distichlis spicata (L.) Greene var. *stricta* (Torr.) Scribn. (1) HF; 6250-6300'; EFH; sgp.

**Echinochloa crusgalli* (L.) Beauv. var. *frumentacea* (Rydb.) W. F. Wight (5) LA; 5900-6600'; EFH; dst, mwl, rwl, sgp.

Elymus canadensis L. var. *canadensis* (18) FN, LA, PE; 4900-8800'; CLR, EFH, HPD, SCR, WMT; dst, gwd, oks, pjw, ppw, rwl, sgp.

Elymus cinereus Scribn. & Merr. (1) HF; 6400'; EFH; sgp.

**Elymus elongatus* (Host) Runem. var. *ponticus* (Podp.) Dorn (8) 5100-8800'; EFH, WMT; dst, gwd, pjw, rwl, sgp.

Elymus elymoides (Raf.) Swezey var. *brevifolius* (J. G. Sm.) Dorn (138) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4800-11,400'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; bcp, dsc, dst, gwd, mcw, oks, pjw, ppw, sgb, sgp.

Elymus elymoides (Raf.) Swezey var. *elymoides* (8) AL, CF, CT, FN, HF, LA; 5300-9400'; EFH, HPD, SCR, SLV; dst, gwd, pjw, ppw, rwl, sgp.

Elymus glaucus Buckl. var. *glaucus* (1) FN; 7800-9400'; SCR; mcw.

**Elymus hispidus* (Opiz) Melderis var. *hispidus* (9) CF, CT, CU, HF, LA, SH; 6500-11,400'; CLR, EFH, HPD, SCR, WMT; bcp, dst, mcw, pjw, ppw.

**Elymus hispidus* (Opiz) Melderis var. *ruthenicus* (Griseb.) Dorn (6) FN, HF, LA, SH; 6400-9600'; EFH, HPD, SCR; dst, pjw, rwl, sgp.

**Elymus junceus* Fisch. (6) AL, PE, SH; 4700-8960'; EFH, SLV; dst, pjw, sgp.

Elymus lanceolatus (Scribn. & Sm.) Gould var. *lanceolatus* (16) AL, CF, CT, HF, LA, PE, SH; 4900-11,800'; EFH, HPD, SCR, SLV; dst, mcw, oks, pjw, rwl, sgb, sgp.

Elymus lanceolatus (Scribn. & Sm.) Gould var. *riparius* (Scribn. & Sm.) Dorn (2) CT, SH; 8300-9600'; SCR, SLV; pjw.

Elymus pseudorepens (Scribn. & Sm.) Barkw. & Dewey (1) HF; 7400-7450'; CLR; mtg.

**Elymus repens* (L.) Gould (10) CT, CU, FN, HF, LA, PE; 5870-8800'; EFH, SCR, WMT; dst, mcw, oks, pjw, rwl, sgp.

Elymus saundersii Vasey (1) LA; 7600-8600'; EFH.

Elymus saxicolus Scribn. & Sm. ex Scribn. (1) CT; 11,400'; CLR; mcw.

Elymus scribneri (Vasey) Jones (35) AL, CF, CT, CU, HF, LA, SH; 9800-14,064'; BMP, CLR, SCR, WMT; amd, bcp, lpp, mcw, mtg, ppw.

Elymus simplex Scribn. & Williams ex Scribn. var. *simplex* (1) FN; 6700-7700'; SCR; pjw.

Elymus smithii (Rydb.) Gould (55) CU, FN, HF, LA, PE, SH; 4900-9000'; CLR, EFH, HPD, WMT; dst, gwd, oks, pjw, ppw, rpw, sgp.

Elymus trachycaulus (Link) Gould ex Shinnery var. *andinus* (Scribn. & Sm.) Dorn (1) CT; 10,600-13,200'; SCR; amd.

Elymus trachycaulus (Link) Gould ex Shinnery var. *trachycaulus* (21) CT, CU, HF, LA, PE, SH; 6600-12,800'; BMP, CLR, HPD, SCR, SLV, WMT; amd, asp, dst, mcw, mtg, rwl, sgb.

Elymus triticoides Buckl. var. *triticoides* (1) FN; 6000'; WMT; pjw, rwl.

**Eragrostis barrelieri* Daveau (3) HF, PE; 5800-6150'; EFH; dst, sgp.

**Eragrostis pilosa* (L.) Beauv. var. *pilosa* (1) LA; 6700'; EFH; dst.

Eragrostis spectabilis (Pursh) Steud. (1) PE; 6400'; EFH; dst.

Erioneuron pilosum (Buckl.) Nash (15) FN, HF, LA; 4800-6600'; EFH; gwd, pjw, sgp.

Festuca arizonica Vasey (22) AL, HF, LA, SH; 6000-10,380'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; mtg, oks, pjw, ppw.

**Festuca arundinacea* Schreb. (12) FN, LA, PE; 5200-10,158'; CLR, EFH; oks, pjw, rwl, sgp.

Festuca brachyphylla Schult. & Schult. ssp. *coloradensis* Frederiksen (22) CF, CT, CU, HF, LA, SH; 7200-14,064'; BMP, CLR, HPD, SCR, WMT; amd, dst, mcw, ppw.

Festuca idahoensis Elmer var. *idahoensis* (9) CU, FN, HF, SH; 5600-11,700'; BMP, EFH, HPD, SCR, SLV; amd, bcp, mtg, pjw.

Festuca minutiflora Rydb. (15) AL, CF, CT, CU, HF, PE, SH; 10,700-14,064'; BMP, CLR, SCR, WMT; amd, lpp, mcw, mtg.

**Festuca pratensis* Huds. (1) LA; 8000'; CLR; mwl, rwl.

Festuca rubra L. var. *rubra* (5) CF, HF, LA, SH; 8700-11,700'; BMP, CLR, SCR, SLV; amd, mtg, pjw.

Festuca saximontana Rydb. var. *purpusiana* (St.-Yves) Frederiksen & Pavlick (6) CT, HF, SH; 9200-13,971'; BMP, CLR; amd, bcp, mcw.

Festuca saximontana Rydb. var. *saximontana* (5) CF, HF, SH; 8700-11,900'; BMP, SCR, SLV, WMT; amd, mtg.

Festuca thurberi Vasey (22) AL, CF, CT, CU, HF, LA, SH; 9400-13,971'; BMP, CLR, SCR; amd, asp, bcp, lpp, mcw.

Glyceria borealis (Nash) Batch. (1) LA; 8600-8700'; EFH; mwl.

Glyceria elata (Nash ex Rydb.) Jones (1) HF; 8800-9200'; EFH; mcw.

Glyceria grandis Wats. (2) CU, HF; 6000-8040'; EFH, HPD; mwl, rwl.

Glyceria striata (Lam.) Hitchc. (13) CF, CU, HF, LA, PE, SH; 6300-10,000'; BMP, CLR, EFH, SCR, SLV, WMT; bcp, mcw, oks, pjw, rwl, sgb.

Helictotrichon mortonianum (Scribn.) Henr. (4) CU, HF, SH; 10,600-13,200'; BMP, CLR, SCR; amd.

Hilaria jamesii (Torr.) Benth. (10) LA, PE; 4700-6800'; EFH; gwd, pjw, rwl, sgp.

Hordeum brachyantherum Nevski (1) SH; 9800'; BMP; mcw.

Hordeum jubatum L. (18) CT, CU, FN, HF, LA, PE; 4900-11,400'; CLR, EFH, HPD, SLV; dst, gwd, mcw, oks, pjw, rwl.

Hordeum pusillum Nutt. (11) HF, LA, PE, SH; 5300-9800'; BMP, EFH; dst, gwd, pjw, ppw, sgp.

Koeleria macrantha (Ledeb.) Schult. (56) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4900-11,600'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, dst, mcw, mtg, oks, pjw, ppw, sgb.

Leucopoa kingii (Wats.) W. A. Weber (3) HF, LA; 7400-12,400'; CLR; bcp, mcw, mtg.

Lycurus setosus (Nutt.) C. Reeder (2) HF, LA; 6800-8700'; EFH, WMT; pjw.

Melica porteri Scribn. (1) HF; 9600-10,158'; CLR; mtg.

Monroa squarrosa (Nutt.) Torr. (8) CF, CT, FN, HF, LA, SH; 6000-9000'; EFH, SCR, SLV; dst, mtg, pjw, rwl.

Muhlenbergia asperifolia (Nees & Meyen ex Trin.) Parodi (1) LA; 5900'; EFH; sgp.

Muhlenbergia cuspidata (Torr. ex Hook.) Rydb. (4) FN, LA, PE; 6000-9000'; CLR, EFH, SCR; dst, sgp.

Muhlenbergia filiculmis Vasey (9) HF, PE, SH; 7700-9800'; BMP, CLR, SCR, SLV, WMT; mtg, pjw.

Muhlenbergia montana (Nutt.) Hitchc. (26) AL, CF, CU, FN, HF, LA, PE, SH; 6700-10,380'; BMP, CLR, EFH, SCR, SLV, WMT; dst, mcw, mtg, oks, pjw, ppw.

Muhlenbergia pungens Thurb. (2) AL, LA; 6000-8030'; EFH, SLV; pjw, sgp.

Muhlenbergia racemosa (Michx.) B.S.P. (2) LA, PE, 5900-9000'; EFH, WMT; mcw, sgp.

Muhlenbergia torreyi (Kunth) Hitchc. ex Bush (9) AL, FN, HF, LA, SH; 5100-9300'; EFH, SLV; dst, mtg, sgp.

Muhlenbergia wrightii Vasey ex Coult. (2) LA; 6700-7200'; EFH; dst.

Oryzopsis asperifolia Michx. (10) CU, FN, HF, PE; 7360-9200'; CLR, WMT; mcw, oks, ppw.

Oryzopsis hymenoides (R. & S.) Ricker ex Piper (114) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4900-9600'; BMP, EFH, HPD, SCR, SLV, WMT; dst, bcp, gwd, oks, pjw, ppw, rwl, sgb, sgp.

Oryzopsis micrantha (Trin. & Rupr.) Thurb. (42) AL, CF, CT, CU, FN, HF, LA, SH; 4900-10,000'; BMP, CLR, EFH, HPD, SLV, WMT; dst, oks, pjw, ppw, rwl, sgb, sgp.

Panicum capillare L. (9) FN, HF, LA, PE; 5650-6600'; EFH; dst, rwl, sgp.

Panicum obtusum Kunth (4) LA; 5850-6700'; EFH; dst, oks, sgp.

Panicum virgatum L. (3) HF, LA; 6000-6150'; EFH; mwl, rwl, sgp.

Phalaris arundinacea L. var. *arundinacea* (7) CT, CU, FN, HF, LA; 5870-8400'; EFH, HPD, SLV; mwl, rwl.

Phleum alpinum L. var. *alpinum* (36) CF, CT, CU, FN, HF, LA, SH; 8200-13,971'; BMP, CLR, SCR, WMT; amd, bcp, lpp, mcw, mtg.

Phleum pratense L. var. *pratense* (34) CU, FN, HF, LA, PE, SH; 5300-11,000'; CLR, EFH, HPD, SCR, SLV, WMT; asp, dst, lpp, mcw, mtg, oks, ppw, rwl.

Phragmites australis (Cav.) Trin. ex Steud. (2) LA; 5850-6000'; EFH; mwl, rwl, sgp.

Poa alpina L. (30) AL, CT, CU, FN, HF, LA, SH; 10,000-13,517'; CLR, SCR, WMT, amd, bcp, mcw, mtg.

Poa arctica R. Br. var. *arctica* (2) AL, CT; 10,500-13,400'; CLR, SCR; amd, mcw.

Poa arctica R. Br. var. *grayana* (Vasey) Dorn (4) CT, CU, SH; 11,000-14,064'; BMP, SCR; amd.

Poa arida Vasey (6) CT, CU, FN, HF, SH; 6300-13,517'; CLR, EFH, SLV, WMT; amd, mcw, pjw.

Poa compressa L. (6) CU, HF, LA, PE; 8400-9400'; CLR, EFH, HPD, SCR; dst, mtg.

Poa cusickii Vasey var. *cusickii* (1) SH; 11,200-12,700'; BMP, mcw.

Poa fendleriana (Steud.) Vasey (83) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4800-12,000'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, bcp, mcw, mtg, oks, pjw, ppw, rwl, sgb.

Poa glaucifolia Scribn. & Williams ex Williams (1) CT; 13,400'; CLR; amd.

Poa interior Rydb. (6) AL, CF, CT, HF, SH; 10,400-12,300'; BMP, CLR, SCR; amd, bcp, lpp, mcw.

Poa nervosa (Hook.) Vasey var. *wheeleri* (Vasey) C. L. Hitchc. (4) CF, SH; 10,400-11,500'; BMP; amd, mcw.

Poa palustris L. (7) CF, CU, LA, SH; 8400-10,380'; CLR, SCR, WMT; dst, mcw, ppw.

Poa pattersonii Vasey (11) AL, CF, CU, HF, LA, SH; 7000-12,800'; CLR, EFH, SCR, WMT; amd, mtg, pjw.

**Poa pratensis* L. (125) AL, CF, CT, CU, FN, HF, LA, PE, SH; 5200-11,600'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, bcp, dst, gwd, mcw, mtg, oks, pjw, ppw, rwl, sgb, sgp.

Poa reflexa Vasey & Scribn. (9) LA, SH; 8600-13,626'; BMP, CLR; amd, mcw, rwl.

Poa rupicola Nash ex Rydb. (8) CT, CU, HF, SH; 11,200-14,064'; BMP, CLR, SCR, WMT; amd, bcp, mcw.

Poa secunda J. Presl (12) CF, CU, HF, PE, SH; 7000-13,200'; BMP, HPD, SCR, SLV, WMT; amd, mcw, mtg, ppw, rwl, sgb.

Poa trivialis L. (1) SH; 11,100'; SCR; rwl.

Polypogon monspeliensis (L.) Desf. (1) LA; 6000'; EFH; rwl, sgp.

Puccinellia cusickii Weath. (1) SH; 8700'; SLV; rwl.

**Puccinellia distans* (L.) Parl. (1) LA; 6400'; EFH; sgp, rwl.

Schedonnardus paniculatus (Nutt.) Trel. (19) CF, CT, FN, HF, LA, PE; 4900-8400'; EFH, HPD, SCR, SLV, WMT; dst, pjw, rwl, sgp.

Schizachyrium scoparium (Michx.) Nash var. *scoparium* (4) HF, LA; 6500-8700'; EFH, WMT; dst, ppw, rwl.

Secale cereale L. (1) PE; 5660'; EFH; sgp.

Setaria italica (L.) Beauv. (2) FN, LA; 5100-6000'; EFH; dst, rwl.

Setaria viridis (L.) Beauv. (9) FN, LA, PE, SH; 5100-8500'; EFH, SCR, SLV; pjw, sgp, rwl.

Sporobolus airoides (Torr.) Torr. var. *airoides* (4) HF, LA, PE; 5400-6400'; EFH; gwd, pjw, sgp.

Sporobolus cryptandrus (Torr.) Gray (22) AL, CF, CT, FN, HF, LA, PE, SH; 5300-9700'; EFH, HPD, SCR, SLV; dst, mcw, oks, pjw, rwl.

Sporobolus nealleyi Vasey (3) FN, SH; 7350-9000'; HPD, SLV; dst, pjw, sgp.

Stipa comata Trin. & Rupr. var. *comata* (78) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4900-9200'; BMP, EFH, HPD, SCR, SLV, WMT; dst, mtg, oks, pjw, ppw, rwl, sgb, sgp.

Stipa comata Trin. & Rupr. var. *intermedia* Scribn. & Tweedy (8) CF, CT, CU, FN, SH; 6800-8850'; HPD, SCR, SLV, WMT; mtg, oks, ppw, pjw, sgp.

Stipa lettermanii Vasey (2) LA, SH; 8600-9000'; EFH, SLV; oks.

Stipa nelsonii Scribn. var. *nelsonii* (5) CF, CU, HF, PE, SH; 8000-11,300'; BMP, CLR, SCR, WMT; asp, dst, lpp, mcw.

Stipa neomexicana (Thurb. ex Coult.) Scribn. (27) FN, HF, LA, PE, SH; 4800-9200'; CLR, EFH, HPD, SLV, WMT; asp, dst, oks, pjw, ppw, rwl, sgp.

Stipa pinetorum Jones (1) SH; 9000'; BMP; rwl.

Stipa robusta (Vasey) Scribn. (11) CU, FN, LA, PE, SH; 5200-9100'; CLR, EFH, HPD, SCR, SLV, WMT; dst, mtg, oks, pjw, sgp.

Stipa scribneri Vasey (18) CF, FN, HF, SH; 6200-9400'; BMP, SCR, SLV, WMT; mtg, pjw.

Stipa spartea Trin. var. *spartea* (1) LA; 7400'; EFH; oks, rwl.

Stipa viridula Trin. (26) CU, FN, HF, LA, PE, SH; 4900-9300'; EFH, SCR, SLV, WMT; dst, gwd, oks, pjw, ppw, rwl, sgb, sgp.

Torreyochloa pallida (Torr.) Church var. *pauciflora* (J. Presl) J. Davis (1) LA; 8600-8700'; EFH.

Trisetum montanum Vasey var. *montanum* (7) CU, FN, HF, LA, SH; 8700-13,971'; BMP, CLR, HPD, SCR; amd, mcw, mtg.

Trisetum spicatum (L.) Richt. (19) CT, CU, FN, HF, LA, SH; 8200-14,042'; BMP, CLR, SCR; amd, lpp, mcw, mtg.

Triticum aestivum L. (6) FN, HF, LA; 5660-7080'; EFH, HPD; oks, pjw, rwl, sgp.

Vulpia octoflora (Walt.) Rydb. (12) FN, HF, LA; 5000-7400'; EFH; pjw, sgp.

Polemoniaceae

Collomia linearis Nutt. (9) CF, CU, FN, HF, LA, PE; 6600-11,300'; CLR, EFH, SCR, WMT; asp, dst, oks, ppw, rwl.

Gilia ophthalmoides Brand (7) CU, FN, HF, PE; 4900-8400'; EFH, WMT; oks, pjw, ppw, rwl.

Gilia pinnatifida Nutt. ex Gray (25) AL, CF, CU, FN, HF, SH; 6800-11,200'; BMP, HPD, SCR, SLV; amd, asp, bcp, dst, mcw, oks, ppw.

Giliastrum rigidum (Benth.) Rydb. ssp. *acerosa* (Gray) Welser (9) AL, CF, FN, HF, PE; 4900-8030'; EFH, SLV, SCR; dst, pjw, sgp.

Ipomopsis aggregata (Pursh) V. Grant ssp. *candida* (Rydb.) V. & A. Grant (1) PE; 7800-8000'; WMT; dst.

Ipomopsis aggregata (Pursh) V. Grant ssp. *collina* (Greene) Wilken & Allred (89) AL, CF, CT, FN, HF, LA, PE, SH; 5800-10,400'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, bcp, dst, mcw, mtg, oks, pjw, ppw, rwl, sgb, sgp.

Ipomopsis laxiflora (Coul.) V. Grant (9) CT, FN, HF, SH; 5600-8500'; EFH, SCR, SLV; dst.

Ipomopsis longiflora (Torr.) V. Grant ssp. *longiflora* (1) AL; 7500'; SLV; dst.
Ipomopsis spicata (Nutt.) V. Grant var. *spicata* (10) FN, HF, LA, PE; 4800-7270'; EFH; pjw.
Leptodactylon pungens (Torr.) Nutt. var. *pungens* (36) AL, CT, CU, FN, HF, PE, SH; 4900-9720'; EFH, HPD, SCR, SLV, WMT; asp, dst, mtg, pjw, ppw, sgb, sgp.
Linanthus nuttallii (Gray) Greene ex Milliken ssp. *nuttallii* (1) CU; 10,000'; SCR; asp.
Microsteris gracilis (Hook.) Greene var. *gracilis* (5) FN, HF, LA, PE; 6000-7380'; EFH, WMT; oks, pjw, sgp.
Microsteris gracilis (Hook.) Greene var. *humilior* (Hook.) Cronq. (10) FN, HF, LA, PE; 5850-8800'; EFH, HPD, WMT; dst, oks, pjw, ppw, rwl, sgp.
Phlox condensata (Gray) E. Nels. (23) CT, CU, HF, LA, PE, SH; 10,500-14,064'; BMP, CLR, SCR, WMT; amd, bcp, mcw, mtg.
Phlox hoodii Richards. (1) LA; 5710-5780'; EFH; sgp.
Phlox longifolia Nutt. var. *longifolia* (3) PE; 5300-6140'; EFH; pjw, sgp.
Phlox multiflora A. Nels. (1) CU; 10,100'; SCR; asp, lpp.
Phlox pulvinata (Wherry) Cronq. (5) AL, CF, LA, SH; 11,000-13,400'; BMP, CLR, SCR; amd, mcw.
Polemonium brandegei (Gray) Greene (2) AL; 10,500-12,300'; SCR; amd, mcw.
Polemonium foliosissimum Gray var. *foliosissimum* (6) HF, LA, PE; 7080-9000'; CLR, EFH, WMT; mcw, ppw.
Polemonium foliosissimum Gray var. *molle* (Greene) Anway (3) LA; 7250-8600'; EFH, CLR; ppw, rwl.
Polemonium occidentale Greene var. *occidentale* (1) SH; 8720-8960'; SLV; mwl.
Polemonium pulcherrimum Hook. var. *delicatum* (Rydb.) Cronq. (21) AL, CF, CT, CU, HF, LA, PE, SH; 7200-13,200'; BMP, CLR, HPD, SCR, WMT; amd, bcp, mcw.
Polemonium viscosum Nutt. (40) AL, CF, CT, CU, FN, HF, LA, PE, SH; 8200-14,064'; BMP, CLR, SCR, SLV, WMT; amd, bcp, mcw.

Polygonaceae

Eriogonum alatum Torr. var. *alatum* AL, CF, CU, FN, HF, LA, PE, SH; 5200-10,000'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; dst, mcw, mtg, oks, pjw, ppw, rwl, sgb.
Eriogonum cernuum Nutt. var. *cernuum* (9) AL, CF, CT, FN, PE, SH; 4700-8500'; BMP, EFH, SCR, SLV; dst, pjw, sgb, sgp.
Eriogonum flavum Nutt. var. *flavum* (10) CU, HF, SH; 10,600-13,000'; CLR, SCR, SLV; amd, mcw.
Eriogonum jamesii Benth. var. *flavescens* Wats. (1) SH; 8200-9000'; SCR; mtg.
Eriogonum jamesii Benth. var. *jamesii* (34) AL, CF, CT, CU, FN, HF, LA, PE, SH; 5020-9400'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; dst, mtg, oks, pjw, ppw, sgb, sgp.
Eriogonum lachnogynum Torr. ex Benth. (6) FN, HF, PE; 4800-6700'; EFH; pjw.
Eriogonum lonchophyllum T. & G. var. *fendlerianum* (Benth.) Reveal (4) FN, LA; 5100-6500'; EFH; oks, pjw, sgp.

Eriogonum microthecum Nutt. var. *effusum* (Nutt.) T. & G. (14) FN, HF, LA, SH; 5600-9000'; EFH; HPD, SCR, SLV; dst, oks, pjw, sgp.

Eriogonum umbellatum Torr. var. *aureum* (Gand.) Reveal (2) CT, SH; 8800-9000'; SCR, SLV; amd, sgp.

Eriogonum umbellatum Torr. var. *majus* Hook. (1) CF; 11,600'; BMP; amd.

Eriogonum umbellatum Torr. var. *umbellatum* (8) CF, CU, SH; 8720-9200'; BMP, SCR, SLV; dst, oks, ppw, rwl, sgb, sgp.

Oxyria digyna (L.) Hill (23) AL, CT, CU, FN, HF, SH; 9400-14,064'; BMP, CLR, SCR; amd, bcp, mcw.

**Polygonum arenastrum* Jord. ex Boreau (1) LA; 8600-8700'; EFH, SCR, SLV.

**Polygonum aviculare* L. (29) CF, CT, CU, FN, HF, LA, PE, SH; 4900-11,400'; BMP, CLR, EFH, SCR, SLV, WMT; dst, oks, mcw, mtg, ppw, rwl, sgb.

Polygonum bistortoides Pursh (39) AL, CF, CT, CU, FN, LA, PE, SH; 9360-13,517'; BMP, CLR, SCR, WMT; amd, bcp, lpp, mcw, mtg.

**Polygonum convolvulus* L. (5) LA; 6600-8600'; EFH; dst, pjw, ppw.

Polygonum douglasii Greene var. *douglasii* (3) CT, HF; 9400-11,900'; CLR, SCR; amd, mcw.

Polygonum lapathifolium L. (1) LA; 6600'; EFH; rwl.

Polygonum ramosissimum Michx. (9) FN, HF, LA, PE; 5450-8500'; CLR, EFH; dst, gwd, oks, rwl, sgp.

Polygonum sawatchense Small (17) CF, CT, CU, FN, HF, LA, SH; 6780-11,800'; BMP, CLR, EFH, SCR, SLV, WMT; dst, mcw, mtg, oks, ppw.

Polygonum viviparum L. (21) AL, CT, CU, HF, LA, SH; 8200-13,600'; CLR, SCR, WMT, amd, mcw.

**Rumex acetosella* L. (17) CU, HF, LA, PE; 7800-10,380'; CLR, SCR, WMT; amd, dst, mcw, mtg, ppw, rwl.

Rumex aquaticus L. var. *fenestratus* (Greene) Dorn (7) CT, FN, HF, LA, PE, SH; 4700-9620'; CLR, EFH, SCR, SLV; mwl, rwl, sgp.

**Rumex crispus* L. (21) CT, CU, FN, HF, LA, PE, SH; 4900-8800'; CLR, EFH, HPD, SCR, SLV, WMT; dst, bcp, gwd, mwl, oks, pjw, rwl.

Rumex densiflorus Osterh. (3) CU, HF; 8200-10,720'; CLR, HPD; mcw, rwl.

Rumex patientia L. (1) HF; 10,600'; SCR; mcw.

Rumex salicifolius Weinm. var. *triangulivalvis* (Danser) C. L. Hitch. (10) CT, CU, LA, SH; 7200-11,000'; CLR, EFH, SCR, SLV, WMT; dst, oks, ppw, rwl.

Rumex venosus Pursh (3) FN; HF; 5420-6400'; EFH; dst, sgp.

Portulacaceae

Claytonia lanceolata Pursh var. *lanceolata* (3) CU, FN, PE; 7360-9200'; WMT; mcw, oks, ppw.

Claytonia megarhiza (Gray) Parry ex Wats. var. *megarhiza* (23) AL, CF, CT, CU, HF, LA, SH; 11,400-14,064'; BMP, CLR, SCR; amd.

Lewisia pygmaea (Gray) Robins. var. *pygmaea* (7) CF, CU, HF, PE, SH; 11,400-13,971'; BMP, CLR, SCR, WMT; amd, bcp, lpp.

Montia chamissoi (Ledeb. ex Spreng.) Greene (1) LA; 8400; CLR; pjw.

Portulaca oleracea L. (11) AL, CF, CT, LA, PE, SH; 5800-9300'; EFH, SCR, SLV, WMT; dst, mtg, pjw, ppw.

Talinum parviflorum Nutt. (3) HF, SH; 7200-9000'; EFH, SLV; mtg, pjw.

Potamogetonaceae

Potamogeton nodosus Poir. (1) HF; 6000'; EFH; mwl.

Potamogeton pectinatus L. (1) PE; 6800'; WMT; mwl.

Potamogeton praelongus Wulf. (1) LA; 6000'; EFH; mwl.

Potamogeton richardsonii (Benn.) Rydb. (1) CU; 8400-8800'; WMT; mwl.

Primulaceae

Androsace chamaejasme Wulf. var. *carinata* (Torr.) Knuth (29) AL, CT, CU, FN, HF, LA, PE, SH; 10,600-14,064'; CLR, SCR, WMT; amd, mcw, mtg.

Androsace septentrionalis L. var. *glandulosa* (Woot. & Standl.) St. John (5) CU, HF, LA, SH; 7700-9500'; CLR, HPD, SLV, WMT; mcw, pjw, ppw.

Androsace septentrionalis L. var. *subulifera* Gray (75) AL, CF, CT, CU, FN, HF, LA, PE, SH; 6300-14,064'; BMP, CLR, HPD, SCR, WMT; amd, dsc, dst, bcp, lpp, mcw, oks, pjw, ppw, rwl, sgb.

Androsace septentrionalis L. var. *subumbellata* Gray (1) SH; 12,579'; SCR; amd.

Dodecatheon pulchellum (Raf.) Merr. var. *pulchellum* (42) CT, CU, FN, HF, LA, PE, SH; 7500-12,600'; BMP, CLR, SCR, SLV, WMT; amd, asp, bcp, lpp, mcw, mtg, mwl.

Lysimachia ciliata L. (1) LA; 8600-8700'; EFH.

Primula angustifolia Torr. (24) AL, CT, CU, HF, LA, PE, SH; 9200-13,971'; BMP, CLR, SCR, WMT; amd, bcp, mcw, mtg.

Primula parryi Gray (12) AL, CU, HF, LA, PE, SH; 7200-13,971'; CLR, SCR, WMT; amd, bcp, mcw, rwl.

Ranunculaceae

Aconitum columbianum Nutt. var. *columbianum* (26) AL, CT, CU, HF, LA, PE, SH; 8000-12,200'; BMP, CLR, SCR, SLV, WMT; asp, dst, mcw, mtg, pjw, ppw, rwl.

Actaea rubra (Ait.) Willd. (37) AL, CF, CU, FN, HF, LA, PE, SH; 4900-11,800'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, dst, lpp, mcw, mtg, pjw, ppw, rwl.

Anemone canadensis L. (2) CT, PE; 8000-8600'; SCR, WMT; mcw, rwl.

Anemone cylindrica Gray (4) LA, PE; 7400-8600'; CLR, EFH, WMT; oks, rwl.

Anemone multifida Poir. var. *globosa* (Nutt.) T. & G. (7) CF, FN, SH; 8800-12,200'; BMP, SCR, SLV; bcp, lpp, mcw, rwl, sgb.

Anemone multifida Poir. var. *multifida* (4) CF, CT, FN, SH; 8800-13,400'; CLR, SCR; amd.

Anemone patens L. var. *multifida* Pritz. (12) CU, FN, HF, LA, SH; 6500-10,000'; CLR, EFH, HPD, SCR, SLV, WMT; dst, mcw, mtg, pjw, ppw, rwl, sgb.

Aquilegia coerulea James var. *coerulea* (41) AL, CF, CT, CU, FN, HF, LA, PE, SH; 7200-13,971'; BMP, CLR, HPD, SCR, WMT; amd, asp, lpp, mcw, pjw, ppw, rwl.

Aquilegia elegantula Greene (12) AL, CT, CU, FN, HF, LA, SH; 7500-11,100'; CLR, SCR, WMT; asp, mcw, rwl.

Caltha leptosepala DC. var. *leptosepala* (28) AL, CF, CT, CU, FN, HF, LA; 9360-13,600'; BMP, CLR, SCR, WMT; amd, lpp, mcw, mtg, mwl.

Clematis columbiana (Nutt.) T. & G. var. *columbiana* (10) CU, LA, PE; 6600-10,400'; CLR, EFH, WMT; mcw, ppw, rwl.

Clematis columbiana (Nutt.) T. & G. var. *tenuiloba* (Gray) J. Pringle (19) CF, CU, FN, HF, LA; 7400-10,100'; CLR, SCR, WMT; asp, mcw, oks, pjw, ppw, rwl, sgb.

Clematis hirsutissima Pursh var. *hirsutissima* (3) CT, LA; 8600-8800'; CLR, EFH, SCR; ppw, sgb.

Clematis hirsutissima Pursh var. *scottii* (Porter) Erickson (66) CT, CU, FN, HF, LA, PE, SH; 4900-11,750'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; amd, asp, bcp, dst, mtg, oks, pjw, ppw, rwl, sgb.

Clematis ligusticifolia Nutt. var. *ligusticifolia* (13) CT, CU, FN, HF, LA, SH; 5100-10,400'; EFH, HPD, SCR, SLV; dst, mcw, pjw, ppw, rwl, sgb, sgp.

!*Delphinium alpestre* Rydb. (13) CT, FN, HF, LA, SH; 11,000-13,626'; BMP, CLR, SCR; amd.

Delphinium barbeyi (Huth) Huth (12) AL, CT, FN, HF, LA, PE, SH; 8600-12,200'; BMP, CLR, SCR, SLV, WMT; bcp, mcw, pjw, rwl.

Delphinium carolinianum Walt. ssp. *virescens* (Nutt.) Brooks (10) FN, HF, LA, PE; 5200-8400'; EFH, HPD, WMT; oks, pjw, sgp.

Delphinium nuttallianum Pritz. ex Walp. var. *nuttallianum* (2) CU; 7350-7800'; WMT; rwl.

Delphinium ramosum Rydb. (5) CT, CU, FN, LA; 7620-12,800'; CLR, HPD, SCR, WMT; amd, dst, mcw, rwl.

Delphinium robustum Rydb. (1) LA; 7600-8600'; EFH; mtg.

Delphinium wootonii Rydb. (3) HF, LA; 6000-7000'; EFH, WMT; dst, pjw, sgp.

Ranunculus abortivus L. var. *abortivus* (4) FN, PE, SH; 5200-8900'; EFH, SLV, WMT; pjw, ppw, rwl, sgp.

Ranunculus aquatilis L. var. *diffusa* With. (3) CU, HF, PE; 6000-8800'; EFH, WMT; mwl.

Ranunculus cardiophyllus Hook. (1) HF; 10,000'; CLR; mtg.

Ranunculus cymbalaria Pursh (13) FN, HF, LA, SH; 5870-9200'; BMP, CLR, EFH, HPD, SLV; 5870-9200'; mwl, oks, ppw, rpw, sgb.

Ranunculus inamoenus Greene var. *alpeophilus* (A. Nels.) Benson (1) HF; 11,000-11,200'; WMT; mtg.

Ranunculus inamoenus Greene var. *inamoenus* (17) CF, CT, CU, FN, HF, LA, SH; 8400-12,200'; BMP, CLR, SCR, WMT; amd, asp, bcp, lpp, mcw, rwl.

Ranunculus macauleyi Gray (15) AL, CT, CU, HF, LA, PE, SH; 11,000-13,792'; CLR, SCR, WMT; amd.

Ranunculus macounii Britt. (16) CF, CT, CU, FN, HF, LA, PE, SH; 5870-9200'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; mcw, mwl, oks, pjw, rwl, sgb.

Ranunculus natans C. A. Mey. var. *intertextus* (Greene) Benson (2) CU, SH; 8750-9800'; BMP, WMT; ppw, rwl.

Ranunculus pedatifidus J. E. Sm. var. *affinis* (R. Br.) Benson (6) CU, HF, PE, SH; 10,700-12,800'; BMP, SCR, WMT; amd, mcw, rwl.

**Ranunculus repens* L. var. *repens* (1) PE; 5960-6000'; WMT; pjw, rwl.

- Ranunculus sceleratus* L. var. *multifidus* Nutt. (4) HF, PE, SH; 6800-8700'; WMT, SLV; gwd, mwl, pjw, rwl.
- Thalictrum alpinum* L. (6) CT, CU, HF, PE, SH; 11,200-13,400'; CLR, SCR, WMT; amd.
- Thalictrum dasycarpum* Fisch. & Ave-Lall. (1) CU; 8040'; HPD; rwl.
- Thalictrum fendleri* Engelm. ex Gray var. *fendleri* (40) AL, CF, CT, CU, FN, HF, LA, PE, SH; 6600-12,620'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; amd, asp, bcp, mcw, oks, ppw, rwl, sgb.
- Trollius laxus* Salisb. var. *albiflorus* Gray (6) CF, CU, SH; 10,400-12,800'; BMP, SCR; amd, mcw, rwl.

Resedaceae

- **Reseda lutea* L. (2) CT; 7800-8300'; SLV; pjw, rwl, sgb.

Rhamnaceae

- Ceanothus fendleri* Gray (30) CF, CU, FN, HF, LA, PE, SH; 7000-10,000'; BMP, CLR, EFH, HPD, SCR, WMT; asp, bcp, dst, mcw, mtg, oks, ppw, rwl.

Rosaceae

- Amelanchier alnifolia* (Nutt.) Nutt. ex Roem. var. *alnifolia* (6) CU, FN, PE, SH; 7800-9670'; BMP, SCR, SLV, WMT; asp, bcp, mcw, pjw, sgp.
- Amelanchier alnifolia* (Nutt.) Nutt. ex Roem. var. *pumila* (T. & G.) A. Nels. (1) HF; 8350-10,000'; CLR; bcp.
- Amelanchier utahensis* Koehne (4) FN, PE, SH; 7500-9200'; SCR, SLV, WMT; mcw, pjw, rwl.
- Cercocarpus montanus* Raf. var. *argenteus* (Rydb.) F. L. Martin (2) LA, SH; 6800-9200'; EFH, SCR; mcw, pjw.
- Cercocarpus montanus* Raf. var. *montanus* (114) AL, CF, CU, FN, HF, LA, PE, SH; 4900-10,000'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, dst, oks, pjw, ppw, rwl, sgb, sgp.
- Chamaerhodos erecta* (L.) Bunge var. *parviflora* (Nutt.) C. L. Hitchc. (1) SH; 9400-9800'; BMP; mtg.
- Crataegus columbiana* Howell var. *occidentalis* (Britt.) Dorn (1) CU; 7800'; WMT; rwl.
- Crataegus erythropoda* Ashe (3) HF, PE; 5850-6560'; EFH; dst, oks, pjw.
- Dryas octopetala* L. var. *hookeriana* (Juz.) Breit. (4) CU, FN, HF; 11,000-13,000'; CLR, SCR; amd.
- Fallugia paradoxa* (D. Don) Endl. ex Torr. (3) AL, HF, SH; 7900-8400'; CLR, SLV; oks, pjw, sgp.
- Fragaria vesca* L. (43) AL, CF, CT, CU, FN, HF, LA, PE, SH; 6600-11,700'; BMP, CLR, HPD, SCR, SLV, WMT; amd, asp, dst, mcw, mtg, ppw, rwl.
- Fragaria virginiana* Mill. (43) AL, CF, CT, CU, FN, HF, LA, PE, SH; 8400-12,400'; BMP, CLR, HPD, SCR, SLV, WMT; amd, asp, bcp, lpp, mcw, mtg, ppw, rwl, sgb.
- Geum alepicum* Jacq. (1) SH; 8800'; SLV; pjw, rwl.

Geum macrophyllum Willd. var. *perincisum* (Rydb.) Raup (28) CF, CT, CU, FN, HF, LA, PE; 7350-11,400'; BMP, CLR, HPD, SCR, WMT; asp, bcp, lpp, mcw, mtg, mwl, ppw, rwl.

Geum rivale L. (1) SH; 9600'; BMP; bcp, rwl.

Geum rossii (R. Br.) Ser. var. *turbinatum* (Rydb.) C. L. Hitchc. (54) AL, CF, CT, CU, FN, HF, LA, PE, SH; 10,300-14,064'; BMP, CLR, SCR, WMT; amd, mtg.

Geum triflorum Pursh var. *ciliatum* (Pursh) Fass. (1) HF; 11,600-11,900'; WMT; mtg.

Holodiscus dumosus (Nutt. ex Hook.) Heller var. *dumosus* (45) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4900-11,800'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; amd, asp, dsc, mcw, mtg, oks, pjw, ppw.

Ivesia gordonii (Hook.) T. & G. (1) SH; 11,600-12,574'; BMP; amd.

**Malus pumila* Mill. (2) LA, PE; 6600-7600'; EFH; dst, rwl.

Physocarpus monogynus (Torr.) Coult. (43) AL, CF, CT, CU, FN, HF, LA, PE, SH; 6270-10,900'; CLR, EFH, HPD, SCR, SLV, WMT; asp, dst, mcw, mtg, oks, pjw, ppw, rwl.

Physocarpus opulifolius (L.) Maxim. var. *intermedius* (Rydb.) Robins. (2) HF, PE; 6600-7800'; WMT; pjw, rwl.

Potentilla anserina L. (15) CF, CT, CU, FN, LA, SH; 6800-9800'; BMP, CLR, EFH, HPD, SCR, SLV; dst, gwd, pjw, ppw, rwl, sgb.

**Potentilla argentea* L. (1) LA; 7600-8600'; EFH; mtg.

Potentilla arguta Pursh (2) CF, LA; 8600-10,800'; EFH, SCR; dst.

Potentilla biennis Greene (1) SH; 8700'; SLV; mtg, rwl.

Potentilla concinna Richards. var. *bicrenata* (Rydb.) Welsh & B. C. Johnst. (2) HF, SH; 8700-9600'; SCR, SLV; mcw, mtg.

Potentilla concinna Richards. var. *concinna* (8) CF, CU; 8400-11,750'; BMP, EFH, SCR, WMT; amd, dst, mtg, ppw, sgb.

Potentilla diversifolia Lehm. var. *diversifolia* (16) AL, CF, CT, CU, FN, HF, SH; 7200-13,000'; BMP, CLR, SCR, WMT; amd, bcp, mcw, rwl.

Potentilla fissa Nutt. (31) CF, CU, FN, HF, PE, SH; 4900-11,000'; CLR, EFH, HPD, SCR, WMT; asp, dst, mcw, mtg, oks, pjw, ppw, rwl.

Potentilla fruticosa L. (57) AL, CF, CT, CU, FN, HF, LA, SH; 7700-13,000'; BMP, CLR, HPD, SCR, SLV, WMT; asp, amd, bcp, dst, lpp, mcw, mtg, pjw, ppw, rwl.

Potentilla glandulosa Lindl. var. *glabrata* (Rydb.) Keck (2) CF, CU; 8600-11,600'; BMP, WMT; amd, bcp, lpp.

Potentilla gracilis Dougl. ex Hook. var. *nuttallii* (Lehm.) Sheld. (1) HF; 10,480-10,720'; WMT; mcw.

Potentilla gracilis Dougl. ex Hook. var. *pulcherrima* (Lehm.) Fern. (48) AL, CF, CT, CU, FN, HF, LA, PE, SH; 8150-13,971'; BMP, CLR, HPD, SCR, SLV, WMT;

Potentilla hippiana Lehm. ssp. *effusa* (Dougl. ex Lehm.) Dorn (8) CF, FN, SH; 8100-10,000'; BMP, SCR, SLV; mtg, ppw.

Potentilla hippiana Lehm. ssp. *hippiana* (31) AL, CT, CU, FN, HF, LA, PE, SH; 7600-11,700'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; amd, asp, dst, mcw, mtg, oks, ppw, rwl, sgb.

Potentilla hookeriana Lehm. (8) CF, CT, PE, SH; 11,200-13,517'; BMP, CLR, SCR, WMT; amd.

Potentilla nivea L. (1) CF; 11,500'; BMP; amd.

Potentilla norvegica L. ssp. *monspeliensis* (L.) Achers. & Graebn (5) CU, LA; 6200-10,400'; EFH, SCR; mcw, pjw, rwl.

Potentilla pensylvanica L. (25) CT, FN, HF, LA, SH; 6700-9800'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; dsc, dst, oks, pjw, ppw, rwl, sgp.

Potentilla plattensis Nutt. (4) CT, SH; 8200-12,000'; BMP, SLV; amd, mcw, rwl.

Potentilla rubricaulis Lehm. (14) AL, CT, CU, SH; 11,200-14,064'; BMP, CLR, SCR, SLV; amd.

Potentilla subjugata Rydb. (9) CT, CU, HF, PE; 13,200'; CLR, SLV, SCR, WMT; amd, mcw.

Potentilla uniflora Ledeb. (1) CT; 12,800'; CLR; amd.

Prunus americana Marsh. (14) CU, FN, HF, LA, PE; 5650-9600'; EFH, SCR, WMT; dst, mcw, oks, ppw, rwl, sgp.

Prunus pensylvanica L. f. (2) HF, PE; 7600-9300'; WMT; oks, ppw.

Prunus virginiana L. var. *melanocarpa* (A. Nels.) Sarg. (76) AL, CF, CT, FN, HF, LA, PE, SH; 5960-10,400'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; dst, mcw, oks, pjw, ppw, rwl, sgb.

Pyrus pumila (P. Mill.) K. Koch (3) LA, PE; 5500-8500'; CLR, EFH; dst, oks, pjw, rwl.

Rosa arkansana Porter (1) HF; 6520-6560'; EFH; oks.

Rosa x harisonii Rivers (2) HF, LA; 6200-6800'; EFH; pjw.

Rosa nutkana Presl var. *hispida* Fern. (7) CF, CU, LA, SH; 8400-10,800'; CLR, SCR, SLV, WMT; asp, dst, mcw, rwl.

Rosa sayi Schwein. (29) CF, CT, CU; FN, HF, LA, PE, SH; 6300-10,380'; BMP, CLR, HPD, SCR, SLV, WMT; dst, mcw, mwl, oks, pjw, ppw, rwl, sgb, sgp.

Rosa woodsii Lindl. var. *ultramontana* (Wats.) Jeps. (41) AL, CF, CT, CU, FN, HF, LA, PE, SH; 6040-10,400'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, bcp, dst, lpp, mcw, oks, pjw, ppw, rwl.

Rubus deliciosus Torr. (40) AL, CF, CU, FN, HF, PE, SH; 5960-10,400'; HPD, SCR, SLV, WMT; mcw, oks, pjw, ppw, rwl.

Rubus idaeus L. var. *aculeatissimus* Regel & Tiling (38) AL, CF, CT, CU, FN, HF, LA, PE, SH; 7350-11,800'; BMP, CLR, HPD, SCR, SLV, WMT; asp, bcp, dst, mcw, oks, pjw, ppw, rwl.

Rubus parviflorus Nutt. var. *parviflorus* (3) PE; 8000-9000'; WMT; mcw.

**Sanguisorba minor* Scop. ssp. *muricata* Briq. (1) LA; 6500'; EFH; dst.

Sibbaldia procumbens L. (26) AL, CF, CT, CU, FN, LA, PE, SH; 11,000-13,971'; BMP, CLR, SCR, WMT; amd, bcp, mcw, mtg.

Sorbus scopulina Greene var. *scopulina* (1) PE; 8000'; WMT; mcw.

Rubiaceae

**Galium aparine* L. var. *aparine* (5) CT, LA, PE, SH; 5960-10,000'; BMP, CLR, EFH, WMT; mcw, pjw, rwl.

Galium boreale L. (59) AL, CF, CT, CU, FN, HF, LA, PE, SH; 7600-11,600'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, bcp, dst, mcw, mtg, oks, ppw.

Galium triflorum Michx. (15) CF, CU, FN, HF, LA, PE; 6600-10,400'; BMP, CLR, EFH, SCR, WMT; asp, lpp, mcw, mtg, ppw, rwl.

Rutaceae

Ptelea trifoliata L. (15) CU, FN, PE; 5200-7400'; EFH, HPD, WMT; oks, pjw, ppw, rwl.

Salicaceae

- Populus acuminata* Rydb. (3) FN, PE; 5800-7000'; EFH, HPD; dst, pjw, rwl.
Populus angustifolia James (32) AL, CF, CT, CU, FN, HF, LA, PE, SH; 5960-9500'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; dst, mcw, oks, pjw, ppw, rwl.
Populus balsamifera L. var. *balsamifera* (2) CU, LA; 6000-7800'; EFH, WMT; pjw, rwl.
Populus deltoides Bartram ex Marsh. var. *occidentalis* Rydb. (19) FN, HF, LA, PE; 4800-7380'; EFH, HPD, WMT; dst, gwd, pjw, rwl, sgb, sgp.
Populus tremuloides Michx. (61) AL, CF, CT, CU, FN, HF, LA, PE, SH; 7200-11,600'; BMP, CLR, HPD, SCR, SLV, WMT; asp, bcp, lpp, mcw, oks, ppw, rwl.
Salix amygdaloides Anderss. (14) CU, FN, LA, PE; 5200-8600'; EFH, WMT; dst, mcw, pjw, ppw.
Salix arctica Pall. var. *petraea* Anderss. (6) AL, CT, FN, HF, LA; 11,000-13,517'; CLR, SCR; amd.
Salix bebbiana Sarg. var. *bebbiana* (31) AL, CT, CU, HF, LA, PE, SH; 7350-10,600'; BMP, CLR, SCR, SLV, WMT; asp, bcp, mcw, mtg, oks, rwl.
Salix brachycarpa Nutt. var. *brachycarpa* (19) CT, CU, FN, HF, PE, SH; 10,800-13,000'; BMP, CLR, SCR, WMT; amd, bcp, lpp, mcw, mtg.

Salix drummondiana Barr. ex Hook. (23) AL, CF, CT, CU, HF, LA, PE, SH; 7800-10,380'; BMP, CLR, SCR, WMT; asp, mcw, pjw, rwl.
Salix eriocephala Michx. var. *ligulifolia* (Ball) Dorn (14) CF, CT, CU, FN, LA; 6600-8500'; BMP, EFH, HPD, SLV, WMT; mwl, pjw, sgb, rwl.
Salix exigua Nutt. var. *exigua* (48) CF, CT, CU, FN, HF, LA, PE, SH; 5200-10,400'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; dst, mwl, oks, pjw, ppw, sgb, rwl.
**Salix fragilis* L. (1) LA; 7600'; EFH; ppw.
Salix geyeriana Anderss. var. *geyeriana* (4) CF, SH; 8200-8960'; BMP, SLV; mcw, mwl, ppw, rwl.
Salix glauca L. var. *villosa* (Hook.) Anderss. (7) AL, CU, HF, SH; 10,000-12,579'; SCR, WMT; amd, asp, mcw.
Salix irrorata Anderss. (6) FN, PE; 5960-8500'; EFH, WMT; mcw, pjw, rwl.
Salix lasiandra Benth. var. *caudata* (Nutt.) Sudw. (13) CF, CT, CU, FN, PE, SH; 6000-9200'; BMP, EFH, HPD, SLV, WMT; pjw, ppw, rwl, sgb.
Salix lasiandra Benth. var. *lasiandra* (5) CT, HF, LA; 8050-8800'; CLR, EFH, HPD, SLV; oks, pjw, rwl.
Salix monticola Bebb (34) CF, CT, CU, HF, LA, PE, SH; 7800-12,700'; BMP, CLR, HPD, SCR, SLV, WMT; asp, bcp, lpp, mcw, mtg, mwl, pjw, ppw, rwl.

- Salix planifolia* Pursh var. *planifolia* (14) CF, CU, HF, LA, PE, SH; 9200-12,579'; BMP, CLR, SCR, WMT; amd, asp, bcp, dst, lpp, mcw, mtg, rwl.
- Salix reticulata* L. var. *nana* Anderss. (6) AL, CT, HF, SH; 11,000-12,800'; CLR, SCR; amd.
- Salix reticulata* L. var. *nivalis* (Hook.) Love et al. (11) AL, CF, CT, CU, FN, HF, PE, SH; 11,000-13,000'; BMP, CLR, SCR, WMT; amd, bcp, lpp, mcw, mtg.
- Salix reticulata* L. var. *reticulata* (1) CT; 13,400'; CLR; amd.
- Salix scouleriana* Barr. ex Hook. (16) CT, CU, FN, HF, LA, PE, SH; 7600-11,600'; BMP, CLR, HPD, SCR, WMT; bcp, mcw, oks, rwl.

Santalaceae

- Comandra umbellata* (L.) Nutt. var. *pallida* (A. DC.) Jones (43) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4800-9725'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; mcw, oks, pjw, ppw, sgb, sgp, rwl.

Saxifragaceae

- ! *Heuchera hallii* Gray (3) CU; 8760-9050'; WMT; mcw.
- Heuchera parvifolia* Nutt. ex T. & G. (66) AL, CF, CT, CU, FN, HF, LA, PE, SH; 6300-14,064'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; amd, bcp, lpp, mcw, mtg, oks, pjw.
- Lithophragma tenellum* Nutt. (1) HF; 9400-9600'; SCR; mcw, mtg.
- Mitella pentandra* Hook. (1) CF; 10,400'; BMP; lpp, mcw.
- Parnassia fimbriata* König var. *fimbriata* (2) AL, FN; 11,000-12,200'; SCR; amd, mcw.
- Saxifraga adscendens* L. var. *oregonensis* (Raf.) Breit. (2) CF, SH; 10,400-11,200'; BMP; lpp, mcw.
- Saxifraga bronchialis* L. var. *austromontana* (Wieg.) Piper ex G. N. Jones (49) AL, CF, CT, CU, FN, HF, LA, PE, SH; 8400-13,971'; BMP, CLR, SCR, WMT; amd, bcp, lpp, mcw, mtg, ppw.
- Saxifraga cernua* L. (7) AL, CT, LA, SH; 11,900-14,042'; CLR, SCR; amd.
- Saxifraga cespitosa* L. ssp. *delicatula* (Small) Porsild (7) CT, HF, LA, SH; 11,000-14,042'; CLR, SCR; amd.
- ! *Saxifraga cespitosa* L. ssp. *monticola* (Small) Porsild (9) CT, CU, SH; 11,400-14,064'; CLR, SCR; amd, mcw.
- Saxifraga chrysantha* Gray (5) AL, CT, CU, SH; 12,600-13,517'; CLR, SCR; amd.
- Saxifraga flagellaris* Willd. ex Sternb. var. *crandallii* (Gand.) Dorn (18) AL, CT, CU, HF, LA, SH; 11,000-14,064'; CLR, SCR; amd.
- Saxifraga odontoloma* Piper (26) AL, CF, CT, CU, FN, HF, LA, PE, SH; 7200-12,200'; BMP, CLR, HPD, SCR, WMT; bcp, lpp, mcw, ppw, rwl.
- Saxifraga oregana* T. J. Howell (3) HF; 10,600-12,000'; CLR, SCR; amd, mcw.
- Saxifraga rhomboidea* Greene (32) AL, CT, CU, HF, LA, PE, SH; 9800-14,064'; BMP, CLR, SCR, WMT; amd, bcp, mcw, mtg, rwl.
- Saxifraga rivularis* L. var. *debilis* (Engelm. ex Gray) Dorn (9) CT, FN, SH; 11,000-13,517'; BMP, CLR, SCR; amd.

Scrophulariaceae

- Besseyia alpina* (Gray) Rydb. (22) CT, CU, HF, LA, PE, SH; 10,600-14,064'; BMP, CLR, SCR, WMT; amd.
- Besseyia plantaginea* (James) Rydb. (19) CF, CT, CU, HF, LA, PE, SH; 7250-12,347'; CLR, EFH, SCR, SLV, WMT; amd, mcw, pjw, ppw, rwl, sgb.
- Castilleja haydenii* (Gray) Cockerell (21) AL, CT, CU, HF, LA, SH; 10,600-14,064'; CLR, SCR, WMT; amd.
- Castilleja integra* Gray var. *integra* (106) AL, CF, CT, CU, FN, HF, LA, PE, SH; 4800-9800'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; dsc, dst, mtg, oks, pjw, ppw, rwl, sgb, sgp.
- Castilleja linariifolia* Benth. (35) AL, CF, CT, CU, FN, HF, SH; 6700-10,600'; BMP, CLR, SCR, SLV; asp, bcp, dsc, dst, mcw, mtg, oks, pjw, ppw, rwl, sgb.
- ! *Castilleja lineata* Greene (4) LA; 7600-8700'; CLR, EFH; dst, mtg, pjw, ppw.
- Castilleja miniata* Dougl. ex Hook. var. *miniata* (41) CF, CT, CU, FN, HF, LA, PE, SH; 7250-12,800'; BMP, CLR, EFH, SCR, WMT; amd, asp, bcp, lpp, mcw, mtg, oks, ppw, rwl.
- Castilleja occidentalis* Torr. (37) AL, CF, CT, CU, HF, LA, PE, SH; 8200-14,064'; BMP, CLR, HPD, SCR, WMT; amd, bcp, lpp, mcw.
- Castilleja rhexifolia* Rydb. (5) CF, CU, SH; 10,100-12,620'; BMP, SCR; amd, asp, lpp, mcw, rwl.
- Castilleja sessiliflora* Pursh (2) PE; 4800-5850'; EFH; sgp.
- Castilleja sulphurea* Rydb. (14) CF, CT, CU, FN, HF, LA, SH; 8000-13,971'; BMP, CLR, EFH, SCR; amd, bcp, mcw, mtg, rwl.
- ! *Chionophila jamesii* Benth. (9) AL, CT, CU, SH; 11,800-14,064'; CLR, SCR; amd.
- Collinsia parviflora* Lindl. (4) CU, FN, PE; 7500-8700'; WMT; mcw, ppw, rwl.
- Gratiola neglecta* Torr. var. *neglecta* (1) LA; 8600-8700'; EFH; mwl.
- Limosella aquatica* L. (1) HF; 8300-8800'; HPD.
- * *Linaria dalmatica* (L.) Mill. ssp. *dalmatica* (2) LA; 6100-6300'; EFH; dst, pjw.
- * *Linaria vulgaris* Mill. (2) CT, LA; 8600-8776'; CLR; asp, dst.
- Mimulus floribundus* Lindl. var. *floribundus* (1) LA; 8600-8700'; EFH.
- Mimulus glabratus* H.B.K. var. *glabratus* (1) FN; 7100'; HPD; rwl.
- Mimulus glabratus* H.B.K. var. *jamesii* (T. & G. ex Benth.) Gray (2) CU, SH; 8050-8200'; SLV, WMT; gwd, rwl.
- Mimulus guttatus* DC. var. *guttatus* (33) AL, CF, CT, CU, HF, LA, PE, SH; 8000-12,800'; BMP, CLR, SCR, SLV, WMT; asp, amd, bcp, mcw, mtg, mwl, pjw, ppw, rwl.
- Mimulus tilingii* Regel var. *tilingii* (4) CU, HF, SH; 9600-11,000'; BMP, SCR; mcw, rwl.
- Orthocarpus luteus* Nutt. (7) FN, HF, LA, SH; 7250-10,158'; BMP, CLR, EFH, SCR, SLV; mtg, oks, ppw, rwl.
- Pedicularis bracteosa* Benth. var. *paysoniana* (Penn.) Cronq. (2) CT, HF; 10,900-11,400'; CLR; mcw.
- * *Pedicularis canadensis* L. var. *fluviatilis* (Heller) Macbr. (11) CU, HF, LA; 7600-11,600'; CLR, EFH, WMT; asp, mcw, ppw.

Pedicularis groenlandica Retz. (30) AL, CF, CT, CU, FN, LA, SH; 8200-13,600'; BMP, CLR, HPD, SCR, WMT; amd, lpp, mcw, mwl, rwl.

Pedicularis parryi Gray var. *mogollonica* (Greene) Dorn (3) CT, CU, LA; 11,750-13,400'; CLR, WMT; amd.

Pedicularis parryi Gray var. *parryi* (23) AL, CF, CT, HF, LA, PE, SH; 10,600-14,064'; BMP, CLR, SCR, WMT; amd, bcp, lpp, mcw, mtg.

Pedicularis procera Gray (14) CU, FN, HF, LA, SH; 8,000-11,000'; CLR, SCR, SLV; asp, mcw, mtg, ppw, rwl.

Pedicularis racemosa Dougl. ex Benth. var. *alba* (Penn.) Cronq. (9) CF, HF, LA, SH; 10,400-13,517'; BMP, CLR; bcp, lpp, mcw, rwl.

Pedicularis sudtica Willd. ssp. *scopulorum* (Gray) Hulten (1) CT; 13,000-13,517'; CLR; amd.

Penstemon angustifolius Nutt. ex Pursh var. *angustifolius* (21) CU, FN, HF, LA, PE; 5960-9100'; EFH, HPD, SCR, WMT; dst, oks, pjw, sgp.

Penstemon angustifolius Nutt. ex Pursh var. *caudatus* (Heller) Rydb. (32) CU, FN, HF, LA, PE; 4800-8800'; EFH, HPD, SCR, WMT; dst, gwd, oks, pjw, ppw, rwl, sgp.

Penstemon auriberbis Pennell (54) CT, CU, FN, HF, LA, PE, SH; 4800-9000'; EFH, HPD, SCR, SLV, WMT; dst, oks, pjw, ppw, sgb, sgp.

Penstemon barbatus (Cav.) Roth var. *torreyi* (Benth.) Gray (49) AL, CF, CT, CU, FN, HF, LA, SH; 6400-11,800'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, dst, mcw, oks, pjw, ppw, rwl.

Penstemon crandallii A. Nels. ssp. *crandallii* (9) AL, CU, FN, HF, SH; 8100-11,200'; BMP, SCR, SLV, WMT; asp, bcp, mcw, ppw.

Penstemon crandallii A. Nels. ssp. *glabrescens* (Penn.) D.D. Keck (8) CT, CU, HF, SH; 8200-11,000'; BMP, SCR, SLV; mcw, mtg, pjw, ppw.

!*Penstemon degeneri* Crosswhite (4) CF, FN; 6300-9300'; SCR, WMT; pjw, ppw.

Penstemon glaber Pursh var. *alpinus* (Torr.) Gray (7) CU, FN, HF, PE; 7300-9300'; HPD, WMT; mcw, oks, pjw, ppw, rwl.

Penstemon glaber Pursh var. *brandegei* (Porter) C. C. Freeman (23) CU, FN, HF, LA, PE; 5870-9670'; EFH, WMT; asp, dst, mcw, oks, pjw, ppw, rwl, sgp.

Penstemon gracilis Nutt. (1) CU; 7400'; WMT; ppw.

Penstemon griffinii A. Nels. (9) FN, SH; 8150-10,000'; BMP, SCR, SLV; mcw, mtg.

Penstemon hallii Gray (3) CU, SH; 10,600-13,200'; SCR; amd.

Penstemon harbourii Gray (1) SH; 11,600-12,574'; BMP, amd.

Penstemon rydbergii A. Nels. var. *rydbergii* (1) SH; 11,400-13,971'; BMP; amd, bcp, mcw.

Penstemon secundiflorus Benth. (37) CF, CU, FN, HF, LA, PE, SH; 5300-9200'; BMP, EFH, HPD, SCR, SLV; dsc, oks, pjw, ppw, rwl, sgb, sgp.

Penstemon strictus Benth. (8) CT, FN, HF, SH; 7650-10,000'; BMP, CLR, SCR, SLV; bcp, mcw, rwl, sgb.

Penstemon versicolor Penn. (1) FN; 5100'; EFH; pjw.

Penstemon virens Penn. ex Rydb. (41) CU, FN, HF, LA, PE; 4900-10,000'; EFH, HPD, SCR, WMT; asp, dst, mcw, mtg, oks, pjw, ppw, rwl.

- Penstemon virgatus* Gray var. *asa-grayi* (Crosswh.) Dorn (31) AL, CF, CT, CU, FN, HF, LA, SH; 7250-10,800'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, dsc, dst, mcw, oks, pjw, ppw, rwl, sgb.
- Penstemon whippleanus* Gray (32) AL, CF, CT, CU, FN, HF, LA, PE, SH; 10,300-13,971'; BMP, CLR, SCR, WMT; amd, lpp, mcw, mtg.
- Scrophularia lanceolata* Pursh (14) CT, CU, FN, HF, LA, PE; 6600-9670'; EFH, HPD, SCR, WMT; asp, dst, mcw, oks, pjw, ppw, rwl.
- **Verbascum thapsus* L. (22) AL, CU, FN, HF, LA, PE, SH; 5450-9600'; CLR, EFH, HPD, SCR, SLV, WMT; dst, mcw, mtg, pjw, ppw, rwl.
- Veronica americana* Schwein. ex Benth. (11) CF, CU, HF, PE, SH; 7000-11,000'; BMP, CLR, SCR, SLV, WMT; gwd, mcw, oks, ppw, rwl.
- Veronica anagallis-aquatica* L. (13) CT, CU, FN, LA, SH; 6100-8200'; EFH, HPD, SLV, WMT; dst, mwl, oks, pjw, rwl, sgb.
- Veronica catenata* Penn. (5) CT, HF, LA, SH; 6000-9400'; CLR, SCR, SLV; mwl, rwl, sgb.
- Veronica peregrina* L. var. *xalapensis* (H.B.K.) St. John & Warren (6) HF, LA, PE, SH; 5960-9800'; BMP, CLR, EFH, HPD, WMT; mcw, mtg, mwl, ppw, rwl.
- Veronica serpyllifolia* L. var. *humifusa* (Dickson) Vahl (15) CT, CU, HF, LA, PE, SH; 7350-11,400'; BMP, CLR, SCR, SLV, WMT; asp, bcp, mcw, mwl, ppw, rwl.
- Veronica wormskjoldii* R. & S. (19) AL, CT, CU, FN, HF, LA, SH; 8200-13,517'; BMP, CLR, HPD, SCR, WMT; amd, bcp, lpp, mcw.

Simaroubaceae

- **Ailanthus altissima* (Mill.) Swingle (2) FN, PE; 5100-5450'; EFH; dst, rwl.

Solanaceae

- Chamaesaracha coniodes* (Moric. ex Dunal) Britt. (1) SH; 7650-8500'; SLV.
- Chamaesaracha coronopus* (Dunal) Gray (3) HF; 6300-7400'; EFH; pjw, sgp.
- **Hyoscyamus niger* L. (6) CT, SH; 7900-8900'; SLV; dsc, dst, gwd, pjw, rwl.
- Lycium pallidum* Miers (3) HF, LA; 6000-6300'; EFH; gwd, pjw, sgp.
- Physalis hederifolia* Gray var. *comata* (Rydb.) Waterf. (3) HF, LA; 6000-7000'; EFH; dst, pjw, rwl.
- Physalis hederifolia* Gray var. *fendleri* (Gray) Cronq. (20) FN, HF, LA, PE; 4900-7700'; EFH, HPD, SCR; dst, pjw, rwl, sgp.
- Physalis heterophylla* Nees var. *heterophylla* (1) LA; 6800'; EFH; pjw.
- Physalis hispida* (Waterf.) Cronq. (1) PE; 5450'; EFH; dst, rwl.
- Physalis longifolia* Nutt. (5) LA, PE; 4900-6900'; EFH; dst, pjw, rwl.
- Physalis virginiana* Mill. (2) HF; 6270-7700'; EFH; dst.
- Quincula lobata* (Torr.) Raf. (16) FN, HF, LA, PE; 4800-7400'; EFH, WMT; dst, gwd, pjw, sgp.
- Solanum elaeagnifolium* Cav. (5) LA, HF; 6030-6300'; EFH; dst, gwd, pjw, rwl, sgp.
- Solanum physalifolium* Rusby var. *nitidibaccatum* (Bitter) Edmonds (1) LA; 7250'; EFH; ppw, rwl.
- Solanum rostratum* Dunal (5) FN, LA, PE; 5650-6050'; EFH; dst, pjw, rwl, sgp.

Solanum triflorum Nutt. (13) CT, FN, HF, LA, SH; 6100-9300'; CLR, EFH, SCR, SLV; dst, gwd, pjw, rwl, sgp.

Tamaricaceae

**Tamarix chinensis* Lour. (10) FN, HF, LA, PE; 5200- 7220'; EFH; WMT; gwd, mwl, pjw, rwl, sgp.

Typhaceae

Typha angustifolia L. (1) LA; 6000'; EFH; mwl.

Typha domingensis Pers. (3) HF, LA, PE; 6000-6450'; EFH; dst, mwl, rwl.

Typha latifolia L. (8) CU, FN, HF, LA, PE; 5100-8040'; EFH, HPD; dst, mwl, oks, rwl, sgp.

Ulmaceae

Celtis reticulata Torr. (1) FN; 6300'; EFH; pjw.

Ulmus americana L. (8) FN, LA, PE; 5000-7700'; EFH; dst, pjw, rwl, sgp.

Ulmus pumila L. (20) CT, CU, FN, HF, LA, PE; 4700-9100'; EFH, HPD, SCR, SLV; dst, mtg, pjw, rwl, sgb, sgp.

Urticaceae

Parietaria pennsylvanica Muhl. ex Willd. (1) LA; 8600'; EFH.

Urtica dioica L. var. *occidentalis* Wats. (13) CT, CU, FN, LA, SH; 7500-12,600'; BMP, EFH, SCR, SLV, WMT; amd, asp, mcw, mwl, ppw, rwl, sgb.

Urtica dioica L. var. *procera* (Muhl. ex Willd.) Wedd. (16) CU, HF, LA, SH; 5900-10,400'; BMP, CLR, EFH, SLV, WMT; amd, asp, bcp, dst, gwd, mcw, oks, ppw, rwl.

Valerianaceae

Valeriana acutiloba Rydb. var. *acutiloba* (11) AL, CF, CT, CU, HF, SH; 8600-12,620'; BMP, CLR, SCR, WMT; amd, mcw, rwl.

Valeriana edulis Nutt. ex T. & G. var. *edulis* (21) CT, CU, HF, LA, SH; 7700-13,200'; BMP, CLR, HPD, SCR, SLV, WMT; amd, dst, mtg, pjw, ppw, rwl, sgb.

Valeriana occidentalis Heller (17) AL, CT, CU, FN, HF, LA, SH; 8200-12,700'; BMP, CLR, HPD, SCR, WMT; amd, asp, lpp, mcw, rwl.

Verbenaceae

Glandularia bipinnatifida (Nutt.) Nutt. var. *bipinnatifida* (51) FN, HF, LA, PE, SH; 4800-7300'; EFH, SLV, WMT; dst, gwd, oks, pjw, sgp.

Verbena bracteata Lag. & Rodr. (62) CF, CT, CU, FN, HF, LA, PE, SH; 4900-10,000'; BMP, CLR, EFH, HPD, SCR, SLV, WMT; asp, dst, mcw, oks, pjw, ppw, rwl, sgb, sgp.

Verbena macdougalii Heller (16) HF, LA; 6000-9200'; CLR, EFH, WMT; dst, mcw, mwl, oks, pjw, ppw, rwl.

Violaceae

- Hybanthus verticillatus* (Ortega) Baill. (6) FN, PE; 5000-8400'; EFH; pjw, sgp.
Viola adunca Sm. (15) CT, CU, HF, PE, SH; 7200-11,400'; SCR, SLV, WMT; asp, lpp, mcw, ppw, rwl.
Viola biflora L. (1) SH; 12,579'; SCR; amd.
Viola canadensis L. (34) AL, CF, CT, CU, FN, HF, LA, PE, SH; 6140-10,400'; BMP, CLR, EFH, HPD, SCR, WMT; asp, lpp, mcw, mtg, pjw, ppw, rwl.
Viola labradorica Schrank (10) CF, HF, SH; 10,400-12,800'; BMP, CLR, SCR, WMT; amd, bcp, lpp, mcw, mtg.
Viola macloskeyi Lloyd var. *pallens* (Banks ex DC.) C. L. Hitchc. (1) CU; 9200'; WMT; mcw.
Viola nephrophylla Greene (6) FN, HF, SH; 7500-9600'; BMP, CLR, SCR, SLV, WMT; asp, mcw, mwl, rwl.
Viola nuttallii Pursh (16) FN, HF, LA, PE; 4800-7700'; EFH, HPD; dst, pjw, sgp.
Viola palustris L. (2) SH; 10,700-11,200'; BMP; lpp, mcw, rwl.
Viola pedatifida G. Don (1) CU; 8600'; WMT; mcw.
Viola praemorsa Dougl. ex Lindl. (1) LA; 5900-5950'; EFH; pjw, sgp.

Viscaceae

- Arceuthobium vaginatum* (Willd.) C. Presl. ssp. *cryptopodium* (Engelm.) Hawksw. & Weins (10) CU, FN, HF, PE; 7000-10,000'; CLR, SCR, WMT; mcw, ppw.

Vitaceae

- Parthenocissus quinquefolia* (L.) Planch. (1) PE; 5960-6000'; EFH; rwl.
Parthenocissus vitacea (Knerr) Hitchc. (13) FN, LA, PE; 4900-7600'; EFH, WMT; dst, mwl, pjw, rwl.
Vitis acerifolia Raf. (4) FN, LA, PE; 5200-6000'; EFH; dst, pjw, rwl.
Vitis riparia Michx. (3) FN, PE; 5100-6000'; EFH; dst, pjw, rwl.

Zygophyllaceae

- **Tribulus terrestris* L. (4) FN, LA, PE; 5100-6600; dst.