

# Checklist of Vascular Plants of the Southern Rocky Mountain Region (VERSION 3)

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## Dedication

*To all who work on behalf of the conservation of species and ecosystems.*

## Abbreviated Table of Contents

Fern Allies and Ferns .....	12
Gymnosperms .....	19
Angiosperms .....	21
Amaranthaceae .....	23
Apiaceae .....	31
Asteraceae .....	38
Boraginaceae .....	98
Brassicaceae .....	106
Cactaceae .....	122
Caryophyllaceae .....	129
Cyperaceae .....	142
Ericaceae .....	152
Euphorbiaceae .....	154
Fabaceae .....	157
Gentianaceae .....	176
Juncaceae .....	183
Lamiaceae .....	185
Loasaceae .....	190
Malvaceae .....	193
Onagraceae .....	199
Orchidaceae .....	205
Orobanchaceae .....	210
Plantaginaceae .....	215
Poaceae .....	222
Polemoniaceae .....	253
Polygonaceae .....	260
Ranunculaceae .....	273
Rosaceae .....	280
Salicaceae .....	291
Saxifragaceae .....	296
Solanaceae .....	300
Violaceae .....	305
Literature Cited .....	310

## Introduction

This Checklist provides a summary of vascular plant taxa from the **Southern Rocky Mountain Region (SRMR)** with selected synonymy. The selected nomenclature is intended to reflect phylogenetic (evolutionary) relationships as they are currently understood, given that such relationships are the basis for biological classifications. It is understood that nomenclatural changes are not always warmly embraced. Some changes were premature (including in previous versions of the Checklist), and there will be more changes. However, a relative slowdown of changes at the familial and generic levels is likely given the flurry of molecular studies over the past 25 years.

As defined here, the **SRMR** includes nine counties in southern and eastern Wyoming (Albany, Carbon, Converse, Goshen, Laramie, Niobrara, Natrona, Platte, Sweetwater), all of Colorado, and ten counties from northcentral and northeastern New Mexico (Colfax, Harding, Los Alamos, Mora, Rio Arriba, Sandoval, San Miguel, Santa Fe, Taos, Union). It also includes the northern half of Quay County (north of Interstate 40), New Mexico. The inclusion of three additional New Mexico counties (Harding, Union, part of Quay) compared to the first iteration of the Checklist (Snow04) reflects their high degree of floristic similarity with adjacent high plains counties to the north in Colorado (Schiebout08) and relative lack of taxa more typical of the Chihuahuan Desert flora, which becomes increasingly prominent south of Interstate 40. The 9,600+ specimens collected for a recent thesis (Schiebout08) in northeast NM and the ongoing work of Hazlett et al. (in prep.) on the Kiowa National Grassland (specimens mostly at GREE) provided adequate material to incorporate these counties into a slightly expanded concept of the SRMR.

The Checklist relied heavily (see Acknowledgments) on input from numerous specialists and recent publications such as *Flora of North America*, *Intermountain Flora*, *Vascular Plants of Wyoming* (Dorn01), and *A Utah Flora* (Welsh03). Nomenclature for ferns, fern allies, and gymnosperms generally follows *Flora of North America* Vol. 2, although more recent classifications exist for ferns (e.g., Goffinet04).

Familial treatments for angiosperms mostly mirror the Angiosperm Phylogeny Group II (APG II) classification. The adoption of APG II by five plant systematics textbooks or something similar (Zomlefer94; Judd07; Sprichiger04; Simpson06; Heywood07) reflects the degree to which APG II has been accepted by professional taxonomists. The retention of clearly outdated familial (e.g., Caprifoliaceae, Chenopodiaceae, Scrophulariaceae, Liliaceae s.l.) or generic concepts (e.g., *Aster*, *Senecio*, *Stipa*) is indefensible. Where data are equivocal or unconvincing regarding the monophyly of certain genera I have taken the broader generic concept (e.g., *Elymus*). In situations where Bremer, bootstrap or posterior probability support indices of clades are high there has been no hesitation in reducing some genera to synonymy (e.g., *Buchlœ* into *Bouteloua*).

Widespread adoption of the nomenclature proposed here for the SMRM would align us with other regions and put us ahead of others. None of our larger institutions in the SMRM, towards which people look for scientific leadership, have updated their familial arrangements significantly since the publication of APG II. Further delays in updating familial organization in major herbaria should not be put off indefinitely. Although new or different names may be

uncomfortable (and remember, taxonomists deal with name changes more than anyone), students pick up new names easily, and it is our obligation to teach what we perceive to represent the best and most recent science and reflect that in our herbaria.

At the specific and infraspecific levels taxonomic opinion often differs between workers assessing variation globally and those having extensive but mostly localized field experience. As one who monographed a medium-sized genus of grasses that occurs on five continents and has hundreds of synonyms I understand keenly some of the underlying reasons for differing taxonomic views. Those with extensive but mostly provincial experience often can recognize ecotypes and populations with some degree of evident difference that may have been ignored or overlooked taxonomically by monographers or those writing broad treatments (e.g. *Flora of North America*). However, if localized variation is not evaluated in the context of variation globally, then a proliferation of heterotypic synonyms typically ensues. The extensive synonymy associated with some taxa in our area reflects this tension, particularly in genera with circumboreal or trans-American distributions (e.g. *Viola*, *Salix*, *Silene*). Pronounced manifestations of the local versus global tension is seen with *Mimulus guttatus*, for which Kartesz and Meacham (KTZ99) recognize nearly 70 synonyms. In the opposite direction, Reveal recognized 41 varieties for *Eriogonum umbellatum* in *Flora North America* (Vol. 5). In compiling the Checklist close attention was given to the views of those with extensive field-based knowledge and overall breadth of taxonomic experience, but wider treatments (FNA, Porter00, Wagner07) also have been considered. I have summarized elsewhere in detail the species concept and criteria I use, which was sometimes used to evaluate the taxonomic treatments of others (Snow97, Snow03).

The degree of synonymy indicated among taxa varies; users hopefully will understand that the primary goal has been to summarize names used (mostly) regionally, either now or previously, and to reflect modern taxonomic concepts. In some cases where the taxonomy of a group is particularly difficult, more extensive synonymy is provided.

Earlier versions (Snow04a, 07a,b) noted its origins in *A Checklist of the Vascular Plants of Colorado* (<http://www.rmh.uwyo.edu>). Important differences in the listing of synonyms between these documents is explained below (notes 2-v, 2-vi). In most cases I consulted volumes of *Flora of North America*, *A Working Index of New Mexico Vascular Plants* (<http://web.nmsu.edu/~kallred/herbweb>) by Kelly Allred, *A Flora of New Mexico* (Martin & Hutchins 1980-81), the *Synthesis of the North American Flora* (Kartesz & Meacham 1999), the plant database at the University of New Mexico Herbarium for NM counties in the SRMR, *Grasses of Colorado* (Shaw08), and the *Catalog of the Four Corners Flora* of Heil & O'Kane (<http://www.sanjuancollege.edu/Herbarium/catalogtitle.htm>). Some state records for Colorado from Heil and O'Kane have not been published or await further confirmation. A number of revisions and monographs that concern taxa from our region have been consulted and cited. Nearly all previous references to the U.S.D.A. *PLANTS* database have been removed since it is a dynamic document, and rechecking its usage would have required more time than that presently available. Likewise, many references to "RMC" (short for Rocky Mountain [Herbarium] Checklist, from 1992) have been removed given its age and other generally reliable sources of printed information since then (e.g., Dorn01, FNA volumes).

Newly reported species and infraspecific taxa from our region in volumes of *Flora of North America* generally have been included, but they were incorporated to minimize changes needed at the generic level compared to Snow07b, given the ongoing scoring of characters for taxa in the Southern Rocky Mountain Interactive Flora (Brasher06). In a few cases where species boundaries remain tentative in our region (e.g., *Eleocharis*, *Cirsium*, *Grindelia*) I have not hesitated to indicate that a doctoral dissertation for that group is needed. Taxa collected only once or twice long ago are in some cases treated as waifs that were subsequently extirpated (e.g. *Claytonia umbellata*). However, in cases where non-native taxa frequently are planted ornamentally (e.g., *Linum usitatissimum*) and are likely to escape at least occasionally in localized areas, the taxa have been included as “present”.

It is unfortunate that the larger herbaria of our region (COLO, RM, CS, UNM, COCO, GREE, KHD) are so unaligned nomenclaturally. Curators and collections managers in the SRMR should consider whether adoption of the nomenclature presented here (with modifications as necessary) more broadly. The National Science Foundation will support workshops and collaborative initiatives that work towards regional cooperation and standardization. The SRMR lags behind parts of the USA (e.g., southeastern US, California, Intermountain Region, Great Plains), where curators work collaboratively at documenting and disseminating data electronically about their regional flora (e.g., see <http://www.sernec.org/files/R.A.O.Dec-2008.pdf>).

“Version 3” reflects six years of updates. While some will groan at changes, it is a good thing that systematics is a vigorous science and enhancing our understandings of species boundaries and evolutionary relationships (and thus generic boundaries). The next version of the Checklist will indicate state-wide distributions for each taxon (WY, CO, NM).

Please send all corrections to me at the Bishop Museum ([neil.snow@bishopmuseum.org](mailto:neil.snow@bishopmuseum.org)).

## Notes

1. Nomenclature at the family level follows *Flora of North America* for fern allies and gymnosperms and APG II (2003) for flowering plants (or see Zomlefer 93; Judd07; Spricher02; Simpson06). Three-letter family acronyms are indicated to the right of each family (Weber82; Snow00; Brasher04; Snow09). Varieties typically are used in lieu of subspecies if the nomenclatural combination is available for variety. Quadriminials are omitted (for rationale see Snow97), as are forms (*formae*). Some genera have some species with either subspecies or varieties (e.g., *Poa*); the allowance of such a mixture rather than to adhere strictly to one or the other (e.g., Dorn01) was to minimize the amount of rank changes from the previous checklist.
2. Names of accepted taxa appear on the far left-hand margin. Synonyms of accepted taxa are placed in square brackets [ ] and indented below each accepted taxon. The attribution of names and synonyms is based on their use in one or more of the standard floras or checklists. Six important points must be stressed regarding accepted taxa and their synonyms:
  - i) The name indicated for a taxon may not be the correct application of the name (i.e., the name being used may not match the type specimen for that name).
  - ii) A name may correctly match the type specimen but may not be correctly applied to taxa in our region. For example, *Carex foena* var. *foena* was misapplied to material in our region that is now properly attributed to *Carex siccata*.
  - iii) An indication of a name being an accepted taxon by a particular source (e.g. KTZ) does not necessarily mean that same source credits that taxon to our area.
  - iv) Taxonomic circumscriptions of many families and genera have changed based on molecular studies of the past two decades. Oddly enough, our theoretical basis for understanding and interpreting molecular data (e.g., DNA sequencing) is more fully developed than our ability to interpret the overall reliability of morphological or anatomical data. Although some earlier molecular studies were premature in proposing new classifications based on only one gene or limited sampling within a taxon, that tendency is mostly a thing of the past, and the changes herein typically are well supported by more than one source of data.
  - v) The manner in which this checklist treats the accompanying bracketed synonyms differs from Hartman & Nelson (2001), even though the visual format is the same. In Hartman & Nelson (2001) the abbreviations next to a bracketed synonym indicated the *accepted* names *recognized by* the various publications. In this document, a literature citation with a synonym can mean the same thing as Hartman & Nelson (2001). However, it also may indicate that the literature source (e.g. FNA, UT3), like this document, recognizes the name only as a synonym, not as an accepted taxon. The expanded usage herein more fully indicates known synonymy irrespective of whether the names have ever been applied to taxa in our region, or whether one of the local sources (FNA, UT3) recognized it as the correct name for an accepted taxon. This is important because different Floras split taxa at the specific and infraspecific levels in different ways. It has not been possible to exhaustively list all attributions of all sources. The following two examples should help clarify how synonymy is to be interpreted:

### Example 1:

*Toxicoscordion paniculatum* (Nutt.) Rydb. - W&W, Zomlefer01, Zomlefer02, SFW  
[*Helonias paniculata* Nuttall] - FNA  
[*Zigadenus paniculatus* (Nutt.) S. Watson] – Dorn01, FNA, HDH, IMF, KTZ, UTF, W

Explanation: *Toxicoscordion paniculatum* is accepted by W&W (Weber & Wittmann) and other indicated sources. The two references of Zomlefer indicate where detailed taxonomic data are published to support this combination. FNA recognizes this taxon under the genus *Zigadenus*, but also lists *Helonias* as a synonym for that genus. FNA also recognizes the name *Toxicoscordion paniculatum* but only as a synonym. It is important to stress that for full interpretation of the names and bracketed synonyms the user should consult the cited sources to see exactly how the name is treated by each author.

Example 2:

Several species of *Cryptantha* (Boraginaceae) have the generic name *Krynitzkia* indicated as a synonym, which are attributed to UT3. In this case, UT3 was the first source we found (although not necessarily the first source published) in which *Krynitzkia* is recognized as a generic synonym. However, UT3 does not recognize *Krynitzkia* as a valid genus. Again, users should consult each source to fully interpret our indications of synonymy.

**Note:** The authoritative confirmation of names in synonymy is one of the most time-intensive tasks in systematics, and can be done with confidence only when all type specimens are seen by a single author during a comprehensive revision or monograph of a given genus.

- vi) Some author abbreviations have been standardized herein even though different Floras have used them differently. For example, B. L. Robinson has been spelled out in full in our region or abbreviated as B. L. Robin., B. L. Robins., or B. L. Rob. I have not generally made new entries under the synonymy of a given taxon if the only difference was minor variations of abbreviating author(s), although this was done previously (e.g., Snow04a).
3. Braces {} indicate taxa and synonyms credited to the Southern Rockies that remain unsubstantiated, erroneous, or which may be expected given their proximity in adjacent states. The symbols < > enclosing one or more two-letter postal codes (e.g., <KS, OK>) indicate states contiguous to the Southern Rockies where a taxon has been documented if not attributed to our region by other sources (primarily *Flora of North America* [FNA] or the "Synthesis" [KTZ]).
4. Endemic includes taxa that may range beyond the SRMR within the states of NM or WY, but excludes taxa in adjacent states. Designations of endemism herein should not be taken as authoritative; additional confirmation is needed in many instances, and expanded ranges in adjacent states beyond our region are found frequently.

5. For Colorado species, Harrington (1954) used "in" frequently but "ex" seldomly in the citing of authorities. A semicolon separating authors appears often and may be equivalent to the "ex."
6. Hybrid taxa are indicated by a multiplication sign (X). The hybrid formula follows, then synonyms, if any (e.g. *Equisetum* X *nelsonii*).
7. Considerable variation exists between regional herbaria on their recognition of infraspecific taxa, and local Floras regarding their recognition. This accounts, in part, for the inclusion of "identification sources", since often only one (e.g., IMF, FNA) source for our region includes keys to infraspecific taxa.



## Abbreviations for literature and reviewers

- APG II = Angiosperm Phylogeny Group II (2003)  
CC = Carolyn Crawford, Louisville, CO, pers. comm.  
DA = Dirk Albach, Vienna, Austria, pers. comm.  
Dorn01 = R. Dorn. 2001. Vascular Plants of Wyoming, 3<sup>rd</sup> Ed. Mountain West Publishing, Cheyenne  
FCF = Catalog of the Four Corners Flora (<http://www.sanjuancollege.edu/Herbarium/catalogtitle.htm>),  
K. D. Heil & S. L. O’Kane, Jr.  
FL = Friedrich Lauria, pers. comm.  
FNA = Flora of North America Editorial Committee. 1993 and onwards. Flora of North America. Oxford Univ. Press, New York, NY  
FNE = Kaul, R. B., D. M. Sutherland, S. B. Rolfsmeier. 2006. The Flora of Nebraska. University of Nebraska, Lincoln.  
GPF = Great Plains Flora Association. 1986. Flora of the Great Plains. Univ. Press of Kansas, Lawrence, KS  
HDH = Harrington, H. D. 1954. Manual of the Plants of Colorado. Sage Books, Denver, CO  
HDH2 = Harrington, H. D. 1964. Manual of the Plants of Colorado. 2<sup>nd</sup> Ed. Swallow Press, Chicago, IL  
IMF = Cronquist, A., et al. 1972+. Intermountain Flora. Various publishers  
IPNI = International Plant Names Index ([www.ipni.org/index.html](http://www.ipni.org/index.html))  
JG = Gaskin, John, U.S.D.A (Sydney, MT), pers. comm.  
JM = Jane Mygatt, pers. comm. 2003; database query from UNM  
KTZ = Kartesz, J. T. & C. A. Meacham. 1999. Synthesis of the North American Flora Version 1.0. North Carolina Bot. Garden, Chapel Hill, NC  
KTZ2 = Kartesz, J. T. & C. A. Meacham. Beta (unreleased). Synthesis of the North American Flora. North Carolina Bot. Garden, Chapel Hill, NC  
KWA = Allred, Kelly W. (2003 and onwards; <http://web.nmsu.edu/~kallred/herbweb>)  
M&H = Martin & Hutchins. A New Mexico Flora (full citation in Literature Cited)  
NNL = Isely, D. 1998. Native and Naturalized Leguminosae (Fabaceae) of the United States. Brigham Young Univ., Provo, UT  
NS = Neil Snow, personal comments and observations  
RBS = Shaw, R. B. 2008. Grasses of Colorado. University Press of Colorado, Boulder.  
RH = Ron Hartman, personal comments (especially API, AST, and CRY)  
RMC = Nelson, B. E. & R. L. Hartman. 1992. Checklist of the Vascular Plants of Wyoming, unpubl.  
<http://www.rmh.uwyo.edu>  
SFE, SFW = Weber, W. A. & R. C. Wittmann. 1996. Colorado Flora: East Slope, ed. 2. or Colorado Flora: West Slope. Both: Univ. Press of Colorado, Niwot, CO  
SF! = Documented for both East Slope and West Slope floras (see above)  
TK = Tass Kelso, pers. comm.  
TROPICOS<sup>®</sup> = Missouri Botanical Garden (<http://mobot.mobot.org/W3T/Search/vast.html>)  
UTF = Welsh, S. L., et al. 1993. A Utah Flora, ed. 2. Brigham Young Univ. Press, Provo, UT  
UT3 = Welsh, S. L., et al. 2003. A Utah Flora, ed. 3. Brigham Young Univ. Press, Provo, UT  
WAW = William A. Weber, pers. comm.  
WJ = William Jennings, Louisville, CO, pers. comm..  
WY Checklist = database query from RM of plants from WY in SRMR (May 2003)  
W&S = Wootton & Standley. 1915. Flora of New Mexico. Contr. U.S. Nat. Herb. 19: 1-794  
W&W = Weber, W. A. & R. C. Wittmann. 1992. Catalog of the Colorado Flora: A Biodiversity Baseline. Univ. Press of Colorado, Niwot, CO  
W&W<sup>1</sup> = Weber, W. A. & R. C. Wittmann. 2000. Catalog of the Colorado Flora. Revised electronic version, 11 Mar 2000) (<http://www.colorado.edu/cumuseu>)  
W&W<sup>2</sup>E = Weber, W. A., & R. C. Wittmann. 1996. Colorado Flora: Eastern Slope. Revised Edition. The University Press of Colorado  
W&W<sup>2</sup>W = Weber, W. A., & R. C. Wittmann. 1996. Colorado Flora: Western Slope. Revised Edition. The University Press of Colorado  
W&W<sup>3</sup>E = Weber, W. A. & R. C. Wittmann. 2001. Colorado Flora: Eastern Slope. Third Edition. The University Press of Colorado

**Herbarium Abbreviations:** **ARIZ** (Univ. Arizona); **BRY** (Brigham Young Univ.); **COCO** (Colorado College); **COLO** (Univ. Colorado - Boulder); **CS** (Colorado State Univ.); **GREE** (Univ. Northern Colorado); **KHD** (Denver Botanic Garden); **RM** (Univ. Wyoming); **UNM** (Univ. New Mexico); **USFS** (National Herbarium, Forest Service [at RM])

### Other Abbreviations

∴ = invasives in the Southern Rocky Mountains from outside NA  
Δ = invasives considered introduced to the Southern Rockies from elsewhere in NA  
◆ = Endemics to the Southern Rocky Mountain Area  
† = presumed extinct  
attrib. = attributed  
cult. = cultivated  
err. = erroneous  
exp. = expected  
**ENDEMIC** = endemic to **SRMR** or (at maximum) states of CO, NM, and/or WY  
misid. = report based on a misidentified specimen  
misapp. = the name was misapplied or used inappropriately  
rep. = report, reported  
E, W, or E/W - These designations indicate the taxon is documented on the East or West slope ("slope flora East," SFE, "slope flora West," SFW, or both, SF!)  
AZ, CO, KS, NE, NM, OK, UT, WY - Two-letter postal codes are used for the states.  
NA = North America  
USA = United States of America

### Approximate Numerical Summaries

Numerical summaries should be taken as no more than approximations of local diversity levels. The reasons in favor of this view are numerous: Familial and generic concepts are always somewhat in flux; some taxa treated at the infraspecific level are treated elsewhere as species; all specimens of locally infrequent species may be misidentified; new taxa are being discovered periodically; new state records are made constantly; whether some species are truly naturalized from ornamental plantings may be hard to discern; taxa that were once established have been extirpated later (e.g., *Briza* spp.); and compilers can easily miscount longer lists. Clayton09 notes that inclusion of a taxon for which only one or a few specimens were collected many decades ago, and which has not collected or seen thereafter, inflates the real situation. However, I have not re-evaluated records known only from 50 years ago or longer.

<b>Families: 148</b>	<b>Genera: 851</b>
<b>Species: 3265</b>	<b>Nothotaxa (species of hybrid origin): 38</b>
<b>Undescribed taxa: 5</b>	<b>Infraspecific taxa: 440</b>
<b>Total: Species + infraspecific taxa: 3748</b>	

**Presumed extinct: 1** (*Cryptantha aperta*)  
**Regional endemics: 134**  
**North American invasive taxa: 113**  
**Extra-American invasive taxa: 419**  
**Invasive taxa total: 532**  
**Invasive taxa in flora by percent: 14.4%**

## Acknowledgments

Earlier incarnations of this Checklist (Snow04; Snow07a,b) built from earlier checklists and databases produced or maintained by Ronald Hartman and Burrell “Ernie” Nelson, Kelly Allred, William Weber and Ronald Wittmann, Chris Frazier, Jane Mygatt, and Ken Heil and Steve O’Kane, Jr. My thanks to the above individuals and Ben Legler, John Kartesz, Peter Hoch, Bill Jennings, Monique McHenry, Don Hazlett, Pamela Smith, Bonnie Heidel, Leigh Johnson, Ihsan Al-Shehbaz, Dirk Albach, Eric Ribbens, Steve Popovich, Donald Farrar, Peter Root, Barry Johnston, Greg Brown, Andrew Salywon, Michael Schiebout, David Remsen, George Argus, Georgia Doyle, Tim Hogan, Tim Dickinson, Tim Evans, Joe Kirkbride, Mark Egger, Friedrich Lauria, Rick Hammer, Alan Whittemore, and John Gaskin. For annotating specimens during my tenure at GREE (and typically other regional herbaria) thanks to Don Hazlett, Pamela Smith, Jeff Brasher, Bob Dorn, James Reveal, Andrew Hipp, Andrew Salywon, Stan Welsh, Rob Soreng, Paul Peterson, Kelly Allred, Ron Hartman, Bill Jennings and Ben Legler. My apologies to those whom I neglected to record. Thanks also to Bob Williams, Marilyn Orris, Mary Jane Niemann, Pamela Smith, and Marty Arrington for their work at GREE during my tenure at UNC, which liberated me somewhat from the busy-ness of curating an active herbarium during my tenure at UNC and which helped make earlier versions of the Checklist a reality. Georgia Doyle generously volunteered to be curator of photos for three years for the SRMR flora project and developed the database used to document photos for the interactive key project.

My sincere thanks to the U.S. Forest Service, Bureau of Land Management, U.S. National Park Service, U.S. Fish and Wildlife Service, U. S. Department of Defense, Wyoming Game and Fish, New Mexico Department of Game and Fish, New Mexico State Parks, Colorado Division of Wildlife, and Vermejo Park Ranch for their help and interest in the study of plants. Employees of Natural Heritage Programs in Wyoming, Colorado, and New Mexico have been important contributors to our knowledge of plants in the SRMR. The Nature Conservancy has facilitated botanical work in our region in numerous ways, including allowing access to privately held properties. Many other individuals have provided assistance in other ways. The landowners and managers of numerous ranches, particularly in New Mexico, have allowed us to collect on their properties. We appreciate their commitment to conservation of our native flora and fauna.

Assembling the Checklist has been facilitated by the *Flora of North America* project, which has been of considerable value to regional projects such as this one, and whose published volumes have provided insights regarding synonymy and numerous taxonomic problems.

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I take full responsibility for all oversights and errors.

## FERN ALLIES

### Equisetaceae - EQU

(Identification sources: \_\_\_\_\_)

- Equisetum arvense L. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
[Equisetum arvense L. forma serotinum (C. F. Schutz) Klinge]- HDH
- Equisetum X ferrissii Clute - FNA, GPF, IMF, KTZ, UTF  
[Equisetum hyemale X E. laevigatum] - KTZ
- Equisetum hyemale L. subsp. affine (Engelm.) Calder & Roy L. Taylor - FNA  
[Equisetum hyemale L. var. affine (Engelm.) A.A. Eaton] - Dorn01, GPF, IMF, KTZ, UTF, E/W  
[Equisetum hyemale L. var. californicum Milde] - HDH  
[Equisetum hyemale L. var. hyemale] - HDH  
[Equisetum praealtum Raf.] - HDH  
[Hippochaete hyemalis (L.) Bruhin] - W&W  
[Hippochaete hyemalis (L.) Bruhin subsp. affinis (A. Braun) W. A. Weber] - SF!
- Equisetum laevigatum A. Braun - Dorn01, FNA, GPF, HDH, IMF, KTZ, UTF, E/W  
[Equisetum kansanum Schaffner] - HDH  
[Hippochaete laevigata (A. Braun) Farw.] - SF!, W&W
- Equisetum X nelsonii (A. A. Eaton) J. H. Schaffn. - Hartman06, FNA, KTZ  
[Equisetum laevigatum X E. variegatum] - KTZ  
[Equisetum variegatum Schleich. var. nelsonii A. A. Eaton] - HDH  
[Hippochaete variegata (Schleich.) Bruhin] - W&W
- Equisetum pratense Ehrh. - FCF, FNA, HDH rep., KTZ, SF!, W&W, err. rep., E/W
- Equisetum variegatum Schleich. ex F. Weber & D. Mohr subsp. variegatum - Dorn01, FNA  
[Equisetum variegatum Schleich. ex F. Weber & D. Mohr var. variegatum - IMF, KTZ, E/W  
[Equisetum variegatum Schleich.] - GPF, UTF  
[Equisetum variegatum Schleich. var. variegatum] - HDH  
[Hippochaete variegata (Schleich.) Bruhin] - SF!, W&W

Hippochaete (see **Equisetum**)

### Isoëtaceae - ISO

(Identification sources: \_\_\_\_\_)

- Isoëtes bolanderi Engelm. - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
[Isoëtes bolanderi Engelm. var. bolanderi] - RMC
- Isoëtes echinospora Durieu - FNA, IMF, UTF, E  
[Isoëtes muricata Durieu] - HDH  
[Isoëtes setacea Lam. subsp. muricata (Durieu) Holub] - SFE, W&W  
[Isoëtes tenella Léman] - KTZ
- Isoëtes occidentalis L. F. Hend. - Dorn01, FNA, HDH, KTZ, E/W  
[Isoëtes lacustris L.] - IMF, SF!, UTF, W&W

### Lycopodiaceae - LYC

(Identification sources: \_\_\_\_\_)

*Diphasiastrum alpinum* (L.) Holub - FNA, W&W<sup>1</sup>

[*Lycopodium alpinum* L.] - KTZ

*Huperzia haleakalae* (Brackenridge) Holub - Dorn01, FNA, KTZ, SF!, W&W<sup>1</sup>, E/W

[*Huperzia selago* (L.) Bernh.] - W&W, W&W<sup>1</sup>, err. rep.

[*Huperzia selago* (L.) Bernh. ex Mart. & Schrank] - FNA, misapp.

[*Lycopodium selago* L.] - HDH

*Lycopodium* (see also **Diphasiastrum**, **Huperzia**)

*Lycopodium annotinum* L. - Dorn01, FNA, GPF, HDH, KTZ, SF!, W&W, E/W

[*Lycopodium annotinum* L. var. *annotinum*] - RMC

[*Lycopodium annotinum* L. var. *pungens* (La Pylaie) Desv.] - FNA (name invalid)

[*Lycopodium dubium* Zoëga] - SF!

### Selaginellaceae - SEL

(Identification sources: \_\_\_\_\_)

*Selaginella densa* Rydb. - Dorn01, FNA, GPF, HDH, SF!, UTF, W&W, E/W

[*Selaginella densa* Rydb. var. *densa*] - IMF, KTZ

[*Selaginella densa* Rydb. var. *scopulorum* (Maxon) R. Tryon] - IMF, KTZ

[*Selaginella densa* Rydb. var. *standleyi* (Maxon) R. Tryon] - KTZ

*Selaginella mutica* D. C. Eaton ex Underw. var. *mutica* - Dorn01, FNA, GPF, IMF, KTZ, E/W

[*Selaginella mutica* D. C. Eaton] - HDH, SF!, UTF, W&W

{*Selaginella pervuiana* (J. Milde) Hieronymous - B. Legler [pers. comm. 2009] indicates 3 likely collections from Colfax Co., NM but these in need of further confirmation

*Selaginella scopulorum* Maxon - FNA, HDH

[*Selaginella densa* Rydb. var. *scopulorum* (Maxon) R. M. Tryon] - FNA

[*Selaginella engelmannii* Hier. var. *scopulorum* (Maxon) C. F. Reed] - FNA

*Selaginella selaginoides* (L.) P. Beauv. ex Mart. & Schrank - Dorn01, FNA, KTZ

[*Selaginella selaginoides* (L.) Link] - HDH, IMF, SF!, W&W, E/W

*Selaginella standleyi* Maxon - FNA, HDH

[*Selaginella densa* Rydb. var. *standleyi* (Maxon) R. M. Tryon] - FNA

*Selaginella underwoodii* Hieron. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

◆ *Selaginella weatherbiana* R. Tryon - **ENDEMIC <CO, NM>**, FNA, HDH, KTZ, SFE, W&W, E

### FERNS

**Adiantaceae** (see **PTR**)

**Aspidiaceae** (see **DRY**)

**Aspleniaceae** - **ASL**

(Identification sources: \_\_\_\_\_)

*Asplenium adiantum-nigrum* L. - FNA, HDH, IMF, KTZ, SFE, UTF, W&W<sup>1</sup>, E

[*Asplenium andrewsii* A. Nels.] - W&W

*Asplenium platyneuron* (L.) Britton, Sterns, & Poggenb. - FNA, SFE, W&W, E

[*Asplenium platyneuron* (L.) Oakes] - HDH

[*Asplenium platyneuron* (L.) Oakes ex D. C. Eaton] - GPF

[*Asplenium platyneuron* (L.) Britton, Sterns, & Poggenb. var. *platyneuron*] - KTZ

*Asplenium resiliens* Kunze - FNA, GPF, IMF, KTZ, SFE, UTF, W&W, E  
*Asplenium septentrionale* (L.) Hoffm. - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 [Asplenium septentrionale (L.) Huds.] - GPF  
*Asplenium trichomanes* L. subsp. *trichomanes* - FNA, KTZ, E/W  
 [Asplenium trichomanes L.] - GPF, HDH, IMF, SF!, UTF, W&W  
*Asplenium trichomanes-ramosum* L. - Dorn01, FNA, KTZ, SFW, W&W, W  
 [Asplenium viride Hudson] - GPF, HDH, IMF  
 [Asplenium viride L.] - UTF, W&W<sup>1</sup>

**Athyriaceae (see DRY)**

**Azollaceae - AZL**

*Azolla mexicana* C. Presl - FNA, GPF, HDH, exp., IMF, SFE, UTF, W&W, E  
 [Azolla mexicana Schlttdl. & Cham. ex C. Presl] - KTZ

**Cryptogrammaceae (see PTR)**

**Dennstaedtiaceae - DST (including Hypolepidaceae, Polypodiaceae)**

{*Pteridium aquilinum* (L.) Kuhn var. *latiusculum* (Desv.) Underw. ex A. Heller} - Dorn01, FNA,  
 GPF, HDH, KTZ, E/W  
 {NS - not in our region fide FNA}  
 {*Pteridium aquilinum* (L.) Kuhn subsp. *lanuginosum* (Bong.) Hultén} - SF!, W&W  
*Pteridium aquilinum* (L.) Kuhn var. *pubescens* Underw. - FNA, GPF, HDH, KTZ, UTF, E/W  
 [Pteridium aquilinum (L.) Kuhn subsp. *lanuginosum* (Bong.) Hultén] - SF!, W&W

**Dryopteridaceae - DRY (including Aspidiaceae, Athyriaceae, Onocleaceae, Polypodiaceae, Woodsiaceae)**

(Identification sources: \_\_\_\_\_)

*Athyrium alpestre* (Hoppe) Chairv. var. *americanum* Butters - FNA, E/W  
 [Athyrium americanum (Butters) Maxon] - KTZ  
 [Athyrium alpestre (Hoppe) Rylands ex T. Moore subsp. *americanum* (Butters) Lellinger] - W&W  
 [Athyrium alpestre Clairv. var. *americanum* Butters] - RMC  
 [Athyrium alpestre (Hoppe) Rylands ex T. Moore var. *americanum* Butters] - HDH  
 [Athyrium distentifolium Tausch] - SF!  
 [Athyrium distentifolium Tausch ex Opiz] - W&W<sup>1</sup>  
 [Athyrium distentifolium Tausch ex Opiz var. *americanum* (Butters) Cronquist] - IMF, UTF, W&W<sup>1</sup>  
*Athyrium filix-femina* (L.) Roth ex Mert. var. *angustum* (Willd.) G. Lawson] - FNA  
 [Aspidium angustum Willd.] - FNA  
 [Athyrium angustum (Willd.) C. Presl] - FNA  
 [Athyrium filix-femina (L.) Roth subsp. *angustum* (Willd.) Clausen] - KTZ, SFE  
 [Athyrium filix-femina (L.) Roth ex Mert. subsp. *angustum* (Willd.) Hultén] - W&W  
 [Athyrium filix-femina (L.) Roth var. *angustum* (Willd.) Moore] - GPF  
 [Athyrium filix-femina (L.) Roth subsp. *angustum* (Willd.) Clausen] - FNA  
 [Athyrium filix-femina (L.) Roth var. *michauxii* (Sprengel) Farwel] - FNA  
*Athyrium filix-femina* (L.) Roth ex Mert. var. *californicum* Butters - FNA, E/W  
 [Athyrium angustum (Willd.) C. Presl var. *rubellum* (Gilbert) Butters] - HDH  
 [Athyrium filix-femina (L.) Roth] - SFW

[*Athyrium filix-femina* (L.) Roth ex Mert. var. *filix-femina*] - HDH  
[*Athyrium filix-femina* (L.) Roth subsp. *cyclosorum* (Rupr.) C. Christens.] - KTZ, SFE  
[*Athyrium filix-femina* (L.) Roth ex Mert. subsp. *cyclosorum* (Rupr.) C. Christens.] - W&W  
[*Athyrium filix-femina* (L.) Roth var. *cyclosorum* Rupr.] - GPF  
[*Athyrium filix-femina* (L.) Roth var. *cyclosorum* (Rupr.) Ledeb.] - IMF, UTF  
[*Athyrium filix-femina* (L.) Roth ex Mert. var. *cyclosorum* Rupr.] - FNA  
[*Athyrium filix-femina* (L.) Roth ex Mert. subsp. *filix-femina*] - W&W<sup>1</sup>, err. rep.

{*Cystopteris bulbifera* (L.) Bernh.} - FNA, HDH, exp., IMF, KTZ, UTF, W&W  
*Cystopteris fragilis* (L.) Bernh. - Dorn01, FNA, GPF, HDH, KTZ, SF!, UTF, W&W, E/W  
[*Cystopteris fragilis* (L.) Bernh. var. *fragilis*] - IMF, RMC  
*Cystopteris montana* (Lam.) Bernh. ex Desv. - FNA, KTZ, W&W, E/W  
[*Cystopteris montana* (Lam.) Bernh.] - HDH, SF!  
*Cystopteris reevesiana* Lellinger - FNA, KTZ, SF!, W&W, E/W  
*Cystopteris tenuis* (Michx.) Desv. - FNA <NE, UT>, HDH, KTZ, SFW, W&W  
*Cystopteris utahensis* Windham & Haufler - FNA, KTZ, SFW, W&W, W

*Dryopteris expansa* (C. Presl) Frazer-Jenkins & Jermy - FNA, KTZ, SF!, W&W, E/W  
[*Dryopteris dilatata* (Hoffmann) A. Gray] - HDH, W&W, misapp.  
*Dryopteris filix-mas* (L.) Schott - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Gymnocarpium X brittonianum* (Sarvela) Pryer & Haufler - KTZ, W&W<sup>1</sup>; Pryer93  
[*Gymnocarpium disjunctum* X *G. dryopteris*] - KTZ  
*Gymnocarpium dryopteris* (L.) Newman - Dorn01, FNA, IMF, KTZ, SF!, UTF, W&W<sup>1</sup>, E/W  
[*Gymnocarpium disjunctum* (Rupr.) Ching] - FNA, KTZ, W&W<sup>1</sup> <WY>  
[*Gymnocarpium dryopteris* (L.) Newman subsp. *disjunctum* (Rupr.) Sarvela] - W&W, misapp.  
[*Phegopteris dryopteris* (L.) Fee] - HDH

*Onoclea sensibilis* L. - FNA, GPF, HDH, KTZ, W&W  
[WJ - based on *Weber 4272*, in 1948 (COLO), collected along CO 67, roadside ditch, by fence, on curve near "Papoose Club." A waif in my opinion, this distinctive fern, would have been documented by early collectors if native, if a remnant population, would have ore likely occurred in Boulder Mountain Parks]

**Phegopteris (see *Gymnocarpium*)**

*Polystichum lonchitis* (L.) Roth - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Polystichum scopulinum* (D. C. Eaton) Maxon - Dorn01, FNA, HDH, KTZ, SFW, W&W, W  
[*Polystichum X scopulinum* (D. C. Eaton) Maxon] - RMC

*Woodsia neomexicana* Windham - FNA, KTZ, SF!, W&W<sup>1</sup>, E/W  
[*Woodsia mexicana* Fee] - FNA, GPF, HDH, exp., W&W, misapp.

*Woodsia oregana* D.C. Eaton subsp. *cathcartiana* (B. L. Rob.) Windham - Dorn01, FNA, KTZ, SF!, W&W<sup>1</sup>

[*Woodsia oregana* D. C. Eaton var. *cathcartiana* (B. L. Rob.) Morton] - E/W  
[*Woodsia oregana* D. C. Eaton] - GPF, HDH, UTF, W&W  
[*Woodsia oregana* D. C. Eaton subsp. *oregana*] - W&W<sup>1</sup>, err. rep.  
[*Woodsia oregana* D. C. Eaton var. *oregana*] - IMF, RMC  
[*Woodsia oregana* D. C. Eaton forma *glandulosa* T. M. C. Taylor] - HDH

*Woodsia plummerae* Lemmon - FNA, KTZ, SFE, W&W, E

*Woodsia X schaackii* Windham - W&W<sup>1</sup>

[*Woodsia neomexicana* X *W. oregana*] - W&W<sup>1</sup>  
*Woodsia scopulina* D. C. Eaton subsp. *laurentiana* Windham - FNA, KTZ  
*Woodsia scopulina* D. C. Eaton subsp. *scopulina* - FNA, KTZ, E/W  
[*Woodsia scopulina* D. C. Eaton] - GPF, HDH, SF!, UTF, W&W  
[*Woodsia scopulina* D. C. Eaton var. *scopulina*] - IMF

### **Hypolepidaceae (see DST)**

### **Marsileaceae - MSL**

*Marsilea vestita* Hook. & Grev. - FNA, GPF, HDH, IMF, KTZ, UTF, E/W  
[*Marsilea mucronata* A. Braun] - SF!, W&W  
[*Marsilea vestita* Hook. & Grev. var. *vestita*] - RMC

### **Onocleaceae (see DRY)**

### **Ophioglossaceae - OPH**

(Identification sources: \_\_\_\_\_)

### **Botrychium**

[NS – Donald Farrar {pers. comm., Aug. 2007} indicates the grape ferns will be treated by him in future publications as *Sceptridium* and the rattlesnake fern as *Botrypus*]  
*Botrychium campestre* W. H. Wagner & Farrar - Dorn01, FNA, KTZ, SFE, W&W, E  
*Botrychium echo* W. H. Wagner - FNA, KTZ, SF!, W&W, E/W  
*Botrychium hesperium* (Maxon & R. T. Clausen) W. H. Wagner & Lellinger - FNA, KTZ, SF!, W&W, E/W  
[*Botrychium lunaria* (L.) Sw. subsp. *occidentalis* A. Löve, D. Löve, & B. M. Kapoor] - W&W  
[*Botrychium matricariaefolium* A. Braun] - GPF  
[*Botrychium matricariaefolium* A. Braun ex K. Koch subsp. *hesperium* Maxon & Clausen] - HDH  
*Botrychium lanceolatum* (S. G. Gmel.) Ångstr. subsp. *lanceolatum* - FNA, HDH  
[*Botrychium lanceolatum* (S. G. Gmel.) Ångstr. var. *lanceolatum*] - KTZ, E/W  
[*Botrychium lanceolatum* (S. G. Gmel.) Ångstr.] - Dorn01, GPF, IMF, SF!, UTF, W&W  
*Botrychium lanceolatum* subsp. nov. "*viride*" Farrar ined.  
[NS - information from S. Popovich and D. Farrar, Aug. 2007]  
*Botrychium lineare* W. H. Wagner - KTZ, SFE, W&W, E  
*Botrychium lunaria* (L.) Sw. - Dorn01, FNA, GPF, IMF, KTZ, SF!, UTF, E/W  
[*Botrychium lunaria* (L.) Sw. subsp. *lunaria*] - HDH  
[*Botrychium lunaria* (L.) Sw. var. *lunaria*] - RMC  
[*Botrychium lunaria* (L.) Sw. subsp. *occidentalis* A. Löve, D. Löve, & B. M. Kapoor] - W&W  
[*Botrychium lunaria* (L.) Sw. var. *onondagense* (Underw.) House] - RMC  
*Botrychium minganense* Vict. - FNA, GPF, KTZ, UTF, W&W, err. rep., W&W<sup>1</sup>  
[*Botrychium "colorado"* W. H. Wagner, unpubl.] - W&W<sup>1</sup>  
[*Botrychium lunaria* (L.) Sw. var. *minganense* (Vict.) Dole] - HDH  
*Botrychium multifidum* (S. G. Gmel.) Rupr. - FNA  
[*Botrychium multifidum* (S. G. Gmel.) Trevis.] - Dorn01, GPF, KTZ, UTF, E/W  
[*Botrychium multifidum* (S. G. Gmel.) Rupr. subsp. *coulteri* (Underw.) Clausen] - HDH, SF!, W&W  
[*Sceptridium multifidum* (S. G. Gmel.) Nashida ex Tagawa] - Jepson Manual 2 (ined.)  
*Botrychium paradoxum* W. H. Wagner



[NS - collected 2006 in WY {D. Farrar, pers. comm., Aug. 2007} and possibly collected in CO summer 2007 but needs genetic confirmation {S. Popovich, pers. comm., Aug. 2007}]

{*Botrychium pallidum* W. H. Wagner} - Snow07b

{NS - genetic testing by Farrar indicates these are all sp. nov. "redbank" {S. Popovich pers. comm., Sep. 2008}}

*Botrychium pinnatum* H. H. St. John - FNA, KTZ, SF!, W&W, E/W

[*Botrychium boreale* (Fr.) Milde subsp. obtusilobum (Ruprecht) Clausen] - D. Farrar, pers. comm.

*Botrychiumx simplex* E. Hitchc. - Dorn01, FNA, GPF, IMF, KTZ, SF!, UTF, W&W<sup>1</sup>, E/W

[NS -multiple infraspecific assignments may prove to be present in Colorado based on recent work by Farrar and Popovich (S. Popovich, pers. comm. Oct. 2007)]

[*Botrychium simplex* A. S. Hitchc.] - W&W

[*Botrychium simplex* E. Hitchc. subsp. typicum Clausen] - HDH

[*Botrychium simplex* E. Hitchc. var. *tenebrosum* (A. A. Eaton) R. Clausen] -May not a valid synonym for Rocky Mountain material, D. Farrar, pers. comm., Aug. 2007]

◆ *Botrychium* sp. nov. "redbank", Farrar & Popovich ined. **ENDEMIC** <CO, NM>

[NS – the species occurs in Colorado and NM, Legler and Popovich, pers. comms.]

*Botrychium* taxon nov. "furcatum", Farrar ined.

[NS - Steve Popovich, pers. comm., Feb. 2008]

*Botrychium tunux* Stensvold & Farrar

[NS - collected in CO in 2007 and confirmed genetically {S. Popovich, pers. comm., Oct. 2007}]

*Botrychium virginianum* (L.) Sw. - Dorn01, FNA, GPF, KTZ, E/W

[*Botrychium virginianum* (L.) Sw. subsp. *europaeum* (Ångstr.) Clausen] - HDH

[*Botrychium virginianum* (L.) Sw. var. *virginianum*] - RMC

[*Botrypus virginianus* (L.) Holob] - SF!

[*Botrypus virginianus* (L.) Holob subsp. *europaeus* (Ångstr.) Holob] - W&W

*Botrypus* (see **Botrychium**)

## Polypodiaceae - PLP

(Identification sources: \_\_\_\_\_)

*Polypodium hesperium* Maxon - FNA, GPF, HDH, IMF, KTZ, SFW, UTF, W&W, W

[*Polypodium vulgare* L. subsp. *columbianum* (Gilbert) Hultén] - FNA

[*Polypodium vulgare* L. var. *columbianum* Gilbert] - FNA

[*Polypodium vulgare* L. var. *hesperium* (Maxon) A. Nelson & F. J. MacBr.] - FNA

*Polypodium saximontanum* Windham - Dorn01, FNA, KTZ, SF!, W&W<sup>1</sup>, E/W

[*Polypodium amorphum* Suksd.] - W&W, W&W<sup>1</sup>, err. rep.

## Pteridaceae - PTR (including **Adiantaceae**, **Cryptogrammaceae**, **Polypodiaceae**, **Sinopteridaceae**)

(Identification sources: \_\_\_\_\_)

*Adiantum aleuticum* (Rupr.) Paris - FNA, KTZ, SFW, W&W<sup>1</sup>, W

[*Adiantum pedatum* L.] - GPF, IMF, W&W, W&W<sup>1</sup>,

[*Adiantum pedatum* L. var. *aleuticum* Rupr.] - UTF

*Adiantum capillus-veneris* L. - FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Argyroschisma fendleri* (Kunze) Windham - Dorn01, FNA, KTZ, SF!, W&W, E/W

[*Notholaena fendleri* Kunze] - GPF, HDH

*Astrolepis cochisensis* (Goodding) Benham & Windham subsp. *cochiensis* - FNA, KTZ

[*Astrolepis cochisensis* (Goodding) Benham & Windham] - SFE, E

*Astrolepis integerrima* (Hook.) D. M. Benham & Windham - FNA, KTZ, W&W<sup>1</sup>

[*Notholaena sinuata* (Sw.) Kaulf. var. *integerrima* Hook.] - GPF

**Cheilanthes** (see also **Notholaena**)

[NS – *Cheilanthes* is polyphyletic [Kirkpatrick07] although our members generally fall into a single clade]

*Cheilanthes eatonii* Baker - FNA, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E

*Cheilanthes feei* T. Moore - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Cheilanthes fendleri* Hook. - FNA, GPF, HDH, KTZ, SF!, W&W, E/W

*Cheilanthes wootonii* Maxon - FNA, GPF, HDH, KTZ, SFE, UTF, W&W, E

*Cryptogramma acrostichoides* R. Br. - Dorn01, FNA, HDH, KTZ, SF!, W&W, E/W

[*Cryptogramma crispa* (L.) R. Br. var. *acrostichoides* (R. Br.) C. B. Clarke] - UTF

[*Cryptogramma crispa* (L.) R. Br. ex Hook. var. *acrostichoides* (R. Br.) C. B. Clarke] - IMF

*Cryptogramma stelleri* (S. G. Gmel.) Prantl - FNA, HDH, IMF, KTZ, SFW, UTF, W&W, W

**Notholaena** (see also **Argyrochosma**, **Astrolepis**)

*Notholaena standleyi* Maxon - FNA, GPF, HDH, KTZ, SFE, W&W<sup>1</sup>, E

[*Cheilanthes standleyi* (Maxon) Mickel] - W&W

*Pellaea atropurpurea* (L.) Link - Dorn01, FNA, GPF, HDH, KTZ, SFE, UTF, W&W, E

*Pellaea breweri* D. C. Eaton - Dorn01, FNA, HDH, IMF, KTZ, SFW, UTF, W&W, W

*Pellaea glabella* Mett. subsp. *simplex* (Butters) A. Löve & D. Löve - SFW

[*Pellaea glabella* Mett. ex Kuhn] - UTF, E/W

[*Pellaea glabella* Mett.] - SFE

[*Pellaea glabella* Mett. ex Kuhn subsp. *simplex* (Butters) A. Löve & D. Löve] - FNA, GPF, KTZ, W&W<sup>1</sup>

[*Pellaea glabella* Mett. ex Kuhn var. *simplex* Butters] - IMF

[*Pellaea suksdorfiana* Butters] - Dorn01, HDH, W&W

*Pellaea glabella* Mett. ex Kuhn subsp. *occidentalis* (E. E. Nelson) Windham - FNA, KTZ, W&W<sup>1</sup>

[*Pellaea glabella* Mett.] - SF!

[*Pellaea glabella* Mett. ex Kuhn] - UTF

[*Pellaea glabella* Mett. ex Kuhn subsp. *occidentalis* (E. E. Nelson) Windham]

[*Pellaea glabella* Mett. ex Kuhn var. *occidentalis* (E. E. Nelson) Butters] - GPF, HDH

[*Pellaea occidentalis* (E. Nelson) Rydb.] - Dorn01, W&W, E/W

*Pellaea truncata* Goodding - FNA, IMF, KTZ, SFE, UTF, W&W, E

[*Pellaea longimucronata* Hook.] - HDH

*Pellaea wrightiana* Hook. - FNA, GPF, GPF, KTZ, SFE, UTF, W&W, E

**Salviniaceae** (see **AZL**)

**Sinopteridaceae** (see **PTR**)

**Thelypteridaceae** - **THL**

*Phegopteris connectilis* (Michx.) Watt - FNA, KTZ, SFW, W&W<sup>1</sup>, W

**Woodsiaceae** (see **DRY**)



## GYMNOSPERMS

### Cupressaceae - CUP

(Identification sources: \_\_\_\_\_)

*Juniperus communis* L. var. *depressa* Pursh - Dorn01, FNA, IMF, KTZ, UTF, E/W

[*Juniperus communis* L.] - GPF

[*Juniperus communis* L. subsp. *alpina* (J. E. Sm.) Celak.] - SF!, W&W, misapp.

[*Juniperus communis* L. var. *montana* Aiton] - HDH

[*Juniperus communis* L. var. *saxatilis* Pall.] - HDH

*Juniperus horizontalis* Moench - Dorn01, GPF, HDH rep., KTZ, UTF, W&W

[*Juniperus horizontalis* var. *douglasii* hort.] - KTZ

[*Juniperus horizontalis* var. *variegata* Beissn.] - KTZ

[*Juniperus hudsonica* Forbes] - KTZ

[*Juniperus prostrata* Pers.] - KTZ

[*Juniperus repens* Nutt.] - KTZ

[*Juniperus virginiana* var. *prostrata* (Pers.) Torr.] - KTZ

[*Sabina horizontalis* (Moench) Rydb.] - KTZ, W&W<sup>1</sup>, SFE

[*Sabina prostrata* (Pers.) Antoine] - KTZ

*Juniperus monosperma* (Engelm.) Sarg. - FNA, GPF, HDH, IMF, KTZ, UTF, E

[*Sabina monosperma* (Engelm.) Rydb.] - SFE, W&W

*Juniperus osteosperma* (Torr.) Little - Dorn01, FNA, IMF, KTZ, UTF, W

[*Juniperus utahensis* (Engelm.) Lemmon] - HDH

[*Sabina osteosperma* (Torr.) Antoine] - SFW, W&W

*Juniperus scopulorum* Sarg. - Dorn01, FNA, GPF, HDH, IMF, KTZ, UTF, E/W

[*Sabina scopulorum* (Sarg.) Rydb.] - SF!, W&W

*Juniperus virginiana* L. - FNA, GPF, E

[WJ - more data are needed to establish the occurrence of this taxon in Colorado]

[*Juniperus virginiana* L. var. *virginiana*] - KTZ

[*Sabina virginiana* (L.) Antoine] - SFE, W&W<sup>1</sup>

*Sabina* (see **Juniperus**)

### Ephedraceae - EPH

(Identification sources: \_\_\_\_\_)

*Ephedra cutleri* Peebles - FNA, IMF, KTZ, SFW, W&W<sup>1</sup>, W

[*Ephedra viridis* Coville var. *viscida* (Cutler) L. D. Benson] - HDH, UTF, W&W

*Ephedra torreyana* S. Watson - FNA, GPF, HDH, IMF, SFW, UTF, W&W, W

[*Ephedra torreyana* S. Watson var. *torreyana*] - KTZ

*Ephedra viridis* Coville - Dorn01, FNA, IMF, KTZ, SFW, W

[*Ephedra viridis* Coville var. *viridis*] - HDH, UTF, W&W

### Pinaceae - PIN

(Identification sources: \_\_\_\_\_)

*Abies bifolia* A. Murray var. *arizonica* (Mirriam) O'Kane & Heil - FCF

- [*Abies arizonica* Merriam] - SF!, W&W, E/W  
 [*Abies lasiocarpa* (Hook.) Nutt. var. *arizonica* (Merriam) Lemmon] - HDH, IMF, KTZ, misapp.
- Abies bifolia* A. Murray var. *bifolia* - FNA, SF!, W&W<sup>1</sup>, E/W  
 [*Abies lasiocarpa* (Hook.) Nutt.] - Dorn01, UTF, W&W, err. rep.  
 [*Abies lasiocarpa* (Hook.) Nutt. var. *lasiocarpa*] - HDH, IMF, KTZ, RMC, misapp.
- Abies concolor* (Gord. & Glend.) Hildebr. - Dorn01, FNA, E/W  
 [*Abies concolor* (Gord.) Lindl.] - SF!  
 [*Abies concolor* (Gord.) Coopes] - HDH  
 [*Abies concolor* (Gord. & Glend.) Lindl. ex Hildebr.] - W&W  
 [*Abies concolor* (Gord. & Glend.) Lindl.] - UTF  
 [*Abies concolor* (Gord. & Glend.) Lindl. ex Hildebr. var. *concolor*] - IMF, KTZ, RMC
- Picea engelmannii* Parry ex Engelm. var. *engelmannii* - FNA, E/W  
 [*Picea engelmannii* Parry] - Dorn01, HDH  
 [*Picea engelmannii* Parry ex Engelm.] - IMF, KTZ, UTF, W&W  
 [*Picea engelmannii* (Parry) Engelm.] - SF!
- Picea glauca* (Moench) Voss - Dorn01  
 [*Picea canadensis* (P. Mill.) B. S. P.] - KTZ  
 [*Picea glauca* var. *albertina* (S. Br.) Sarg.] - KTZ  
 [*Picea glauca* var. *densata* Bailey] - KTZ  
 [*Picea glauca* var. *porsildii* Raup] - KTZ
- Picea pungens* Engelm. - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W
- Pinus aristata* Engelm. - FNA, HDH, IMF, KTZ, SF!, W&W, E/W
- Pinus contorta* Douglas ex Loud. var. *latifolia* Engelm. - Dorn01, FNA, HDH, W&W, E/W  
 [*Pinus contorta* Douglas subsp. *latifolia* (Engelm.) Critchf.] - SF!  
 [*Pinus contorta* Douglas ex Loud. var. *latifolia* Engelm. ex S. Watson] - GPF, IMF, KTZ, UTF  
 [*Pinus murrayana* Balf.] - HDH, corr. & add.
- Pinus edulis* Engelm. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W
- Pinus flexilis* E. James - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W
- Pinus ponderosa* Douglas ex C. Lawson var. *scopulorum* Engelm. - FNA, E/W  
 [FL – any inclusion of *P. Lawson* in authorship for this species is incorrect]  
 [*Pinus ponderosa* P. & C. Lawson] - Dorn01, GPF, IMF, UTF  
 [*Pinus ponderosa* Douglas ex P. Lawson] - HDH  
 [*Pinus ponderosa* Douglas subsp. *scopulorum* (S. Watson) W. A. Weber] - SF!  
 [*Pinus ponderosa* Douglas ex P. & C. Lawson subsp. *scopulorum* (S. Watson) W. A. Weber] - W&W  
 [*Pinus ponderosa* P. & C. Lawson var. *scopulorum* Engelm.] - KTZ
- Pinus strobiformis* Engelm. - FCF, FNA, HDH, KTZ, SF!, W&W, E/W  
 [WJ - CO specimens likely hybrids with *P. flexilis*; more study needed - consult Diana Tomback, CU-Denver]  
 [NS - probably comes close to our area in NM from south fide FNA]  
 [*Pinus ayacahuite* Ehrenberg var. *brachyptera* G. R. Shaw] - FNA  
 [*Pinus ayacahuite* var. *reflexa* (Engelmann) Voss] - FNA  
 [*Pinus ayacahuite* var. *strobiformis* (Engelmann) Lemmon] - FNA  
 [*Pinus flexilis* E. James var.  $\gamma$  *reflexa* Engelmann] - FNA  
 [*Pinus reflexa* (Engelmann) Engelmann] - FNA
- Pseudotsuga menziesii* (Mirb.) Franco var. *glauca* (Beissn.) Franco - Dorn01, IMF, KTZ, E/W  
 [*Pseudotsuga menziesii* (Mirb.) Franco] - HDH, corr. & add., SF!, W&W  
 [*Pseudotsuga menziesii* (Mirb.) Franco var. *glauca* (Mayr) Franco] - FNA  
 [*Pseudotsuga menziesii* (Mirb.) Franco var. *glauca* (Beissn.) Mayr] - UTF  
 [*Pseudotsuga taxifolia* (Poir.) Britton ex Sudworth] - HDH

## ANGIOSPERMS

### **Aceraceae (see SAP)**

### **Acoraceae - ACO**

*Acorus calamus* L. - FNA, HDH, KTZ, SFE, W&W

### **Adoxaceae - ADX**

*Adoxa moschatellina* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, W

### **Agavaceae - ASG**

*Yucca*

(Identification sources: \_\_\_\_\_)

*Yucca angustissima* Engelm. ex Trel. var. *angustissima* - FCF, HDH, IMF, KTZ, UTF, WJ, W&W, misapp.

[NS - FNA does not recognize from CO]

*Yucca baccata* Torr. var. *baccata* - FCF, IMF, KTZ, E/W

[*Yucca baccata* Torr.] - FNA, GPF, HDH, SF!, UTF, WJ, W&W

[*Yucca baccata* var. *vespertina* McKelvey] - FNA

[*Yucca vespertina* (McKelvey) S. L. Welsh] - FNA

*Yucca baileyi* Wooton & Standl. var. *baileyi* - FCF, IMF, KTZ

[*Yucca baileyi* Wooton & Standl.] - FNA, GPF, UTF, WJ

[*Yucca baileyi* Wooton & Standl. var. *navajoa* (J. M. Webber) J. M. Webber] - FNA

[*Yucca glauca* Nutt.] - HDH, W&W

[*Yucca navajoa* J. M. Webber] - FNA

[*Yucca standleyi* McKelvey] - HDH, FNA

*Yucca glauca* Nutt. var. *glauca* - GPF, KTZ, E/W

[*Yucca angustifolia* Pursh] - FNA

[*Yucca glauca* Nutt.] - Dorn01, FNA, SF!, WJ, W&W

[*Yucca glauca* Nutt. var. *gurneyi* McKelvey] - FNA, KTZ

[*Yucca glauca* Nutt. var. *stricta* (J. Sims) Trelease] - FNA

[*Yucca standleyi* McKelvey] - HDH

[*Yucca stricta* J. Sims] - FNA

*Yucca harrimaniae* Trel. var. *harrimaniae* - IMF, KTZ, W

[*Yucca harrimaniae* Trel.] - FNA, HDH, SFW, UTF, WJ, W&W

*Yucca neomexicana* Wooton & Standl. - FNA, WJ

[*Yucca harrimaniae* Trel. var. *neomexicana* (Wooton & Standl.) Reveal - GPF, IMF <CO>, KTZ

[*Yucca glauca* Nutt] - W&W

### **Aizoaceae - AIZ (see also MOL)**

*Sesuvium verrucosum* Raf. - GPF, HDH, KTZ, SFE, UTF, W&W, E

Δ *Trianthema portulacastrum* L. - GPF, KTZ, UTF

## Alismaceae (see ALI)

### Alismataceae - ALI

(Identification sources: \_\_\_\_\_)

*Alisma gramineum* Lej. - Dorn01, FNA, IMF, KTZ, SF!, UTF, W&W, E/W

[*Alisma geyeri* Torr.] - HDH

[*Alisma gramineum* J. G. Gmel.] - GPF

*Alisma subcordatum* Raf. - FNA, GPF, KTZ

*Alisma triviale* Pursh - Dorn01, FNA, GPF, KTZ, SF!, W&W, E/W

[*Alisma plantago-aquatica* L.] - HDH, UTF, W&W<sup>1</sup>

[*Alisma plantago-aquatica* L. var. *americanum* Schult. & Schult. f.] - IMF

*Sagittaria brevirostra* Mack. & Bush - FNA, GPF, KTZ, SF!, W&W<sup>1</sup>, E/W

*Sagittaria cuneata* E. Sheld. - FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Sagittaria demersa* J. G. Smith - FNA

*Sagittaria graminea* Michx. var. *graminea* - KTZ, E

[*Sagittaria graminea* Michx.] - SFE, W&W<sup>1</sup>

[*Sagittaria graminea* Michx. subsp. *graminea*] - FNA

*Sagittaria latifolia* Willd. - FNA, GPF, HDH, KTZ, SF!, UTF, W&W, E/W

[*Sagittaria latifolia* Willd. var. *latifolia*] - IMF, RMC

{*Sagittaria longiloba* Engelm. ex J. G. Sm.} - FNA, KTZ

{*Sagittaria longiloba* Engelm.} - GPF, HDH, rep.

{*Sagittaria longiloba* Engelm. ex Torr.} - W&W, err. rep.

*Sagittaria montevidensis* Cham. & Schldl. subsp. *calycina* (Engelm.) Bogin - FNA, SFE, W&W,E

[*Sagittaria calycina* Engelm.] - GPF, HDH, exp.

[*Sagittaria calycina* Engelm. var. *calycina*] - KTZ

### Alliaceae - ALL (see also THE)

(Identification sources: \_\_\_\_\_)

*Allium acuminatum* Hook. - Dorn01, FNA, HDH, IMF, RMC, KTZ, SF!, UTF, W&W, E/W

[*Allium acuminatum* var. *cuspidatum* Fernald] - FNA

[*Allium cuspidatum* (Fernald) Rydb.] - FNA

{*Allium biseptum* S. Watson} - FNA, UT3

{NS - occurs in San Juan Co, UT, in variety of habitats; to be expected in CO}

*Allium brandegeei* S. Watson - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

[*Allium brandegeei* S. Watson forma *viviparum* W. A. Weber] - SFW, W&W

[*Allium diehlii* (M. E. Jones) M. E. Jones] - FNA

[*Allium minimum* M. E. Jones] - FNA

[*Allium tribracteatum* Torrey var. *diehlii* M. E. Jones] - FNA

*Allium brevistylum* S. Watson - Dorn01, FNA, HDH, IMF, RMC, KTZ, SF!, UTF, W&W, E/W

{*Allium cepa* L.}

{WJ - cultivated abundantly in Weld Co. and elsewhere and likely persisting occasionally}

*Allium cernuum* Roth - Dorn01, FNA, GPF, IMF, SF!, UTF, W&W, E/W

[*Allium allegheniense* Small] - FNA  
 [*Allium cernuum* Roth var. *cernuum*] - KTZ  
 [*Allium cernuum* Roth var. *obtusum* Cockerell] - HDH  
 [*Allium cernuum* Roth var. *obtusum* Cockerell ex J. F. Macbr.] - KTZ  
 [*Allium oxyphilum* Wherry] - FNA  
 [*Allium recurvatum* Rydb.] 0 FNA  
 {*Allium drummondii* Regel} - GPF, HDH rep., KTZ, W&W<sup>1</sup>, misid.  
 {NS - native range comes close to ours fide FNA in WY, CO and NM: to be expected}  
 {*Allium helleri* Small} - FNA  
 {*Allium nuttallii* S. Watson} - FNA  
 {*Allium reticulatum* Fraser ex G. Don var. *nuttallii* (S. Watson) M. E. Jones} - FNA  
*Allium geyeri* S. Watson var. *geyeri* - Dorn01, FNA, IMF, KTZ, UTF, E/W  
 [*Allium dictyotum* Greene] - FNA  
 [*Allium funiculosum* A. Nels.] - FNA  
 [*Allium geyeri* S. Watson] - GPF, HDH, SF!, W&W  
 [*Allium pikeanum* Rydb.] - FNA  
*Allium geyeri* S. Watson var. *tenerum* M. E. Jones - Dorn01, FNA, IMF, KTZ, E/W  
 [*Allium arenicola* Osterh.] - FNA  
 [*Allium fibrosum* Rydb.] - FNA  
 [*Allium geyeri* var. *graniferum* Henderson] - FNA  
 [*Allium rubrum* Osterh.] - HDH, SF!, W&W  
 [*Allium rydbergii* J. F. MacBride] - FNA  
 [*Allium sabulicola* Osterh.] - FNA  
*Allium macropetalum* Rydb. - FNA, HDH, IMF, KTZ, SFW, UTF, W&W, W  
 [*Allium deserticola* (M. E. Jones) Woot. & Standl.] - FNA  
 [*Allium reticulatum* Fraser ex G. Don var. *deserticola* M. E. Jones] - FNA  
*Allium nevadense* S. Watson - FNA, FCF, HDH, IMF, KTZ, SFW, UTF, W&W, W  
 [*Allium nevadense* var. *macropetalum* M. Peck] - FNA  
 ∴ *Allium sativum* L. - GPF, IMF, KTZ, UTF, W&W  
 {*Allium perdulce* S. V. Fraser var. *perdulce*} - FNA  
 {NS - range comes close to ours in eastern CO and NM fide FNA; to be expected}  
*Allium schoenoprasum* L. var. *sibiricum* (L.) Hartman - KTZ, W&W, E/W  
 [*Allium schoenoprasum* L.] - HDH, IMF, SF!, UTF  
*Allium textile* A. Nelson & J. F. Macbr - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, W&W, E/W  
 [*Allium aridum* Rydb.] - FNA  
 [*Allium reticulatum* Fraser ex G. Don 1827, non J. Presl & C. Presl 1817] - FNA  
 [*Allium reticulatum* Fraser ex G. Don var. *playanum* M. E. Jones] - FNA

Androstephium (see **THE**)

Triteleia (see **THE**)

**Alsinaceae** (see **CRY**)

**Amaranthaceae** - **AMA** (including much of former Chenopodiaceae)

Acnida (see **Amaranthus**)

Amaranthus

(Identification sources: \_\_\_\_\_)



Δ *Amaranthus albus* L. - Dorn01, GPF, HDH, KTZ, SF!, UTF, W&W, E/W  
     [*Amaranthus pubescens* (Uline & Bray) Rydb.] - HDH rep., SFE, W&W  
*Amaranthus arenicola* I. M. Johnst. - Dorn01, GPF, KTZ, SFE, W&W, E  
     [*Amaranthus torreyi* (A. Gray) Benth.] - HDH  
*Amaranthus blitoides* S. Watson - Dorn01, KTZ, SF!, UTF, W&W<sup>1</sup>, E/W  
     [*Amaranthus graecizans* L.] - GPF, HDH  
*Amaranthus californicus* (Moq.) Wats. - Dorn01, FCF, GREE; Smith09?  
     [*Amaranthus albomarginatus* Uline & Bray] - KTZ  
     [*Amaranthus microphyllus* Shinners] - KTZ  
 Δ {*Amaranthus hybridus* L.} - GPF, HDH, KTZ, UTF, W&W<sup>1</sup>, doubtful  
 Δ *Amaranthus palmeri* S. Watson - GPF, HDH, KTZ, SFE, UTF, W&W, E  
*Amaranthus powellii* S. Watson - Dorn01, GPF, KTZ, SFW, UTF, W&W, W  
 ∴ *Amaranthus retroflexus* L. - Dorn01, GPF, HDH, KTZ, SF!, UTF, W&W, E/W  
 {*Amaranthus rudis* J. D. Sauer} - GPF, KTZ <CO?>  
     {*Acnida tamariscina* (Nutt.) A. W. Wood} - HDH  
     {*Amaranthus tamariscinus* Nutt.} - W&W, misapp.  
 {*Amaranthus tuberculatus* (Moq.) J. D. Sauer} - GPF, KTZ <NE>, W&W, misapp.  
     {*Acnida altissima* Riddell} - HDH  
*Amaranthus wrightii* S. Watson - HDH rep., KTZ, SFE, W&W, E

**Atriplex** (see also **Grayia**, **Proatriplex**)

(Identification sources: \_\_\_\_\_)

*Atriplex argentea* Nutt. var. *argentea* - E/W  
     [*Atriplex argentea* Nutt.] - SF!, UTF, W&W  
     [*Atriplex argentea* Nutt. subsp. *argentea*] - GPF, HDH, RMC  
     [*Atriplex argentea* Nutt. subsp. *argentea* var. *argentea*] - KTZ  
*Atriplex argentea* Nutt. var. *caput-medusae* (Eastw.) Fosberg - KTZ  
     [*Atriplex argentea* Nutt. subsp. *argentea* var. *caput-medusae* (Eastw.) Fosberg] - KTZ  
     [*Atriplex saccaria* S. Watson var. *caput-meducaae* (Eastw.) S. L. Welsh] - UTF  
*Atriplex argentea* Nutt. subsp. *expansa* (S. Wats.) H. M. Hall & Clem. - GPF, HDH, KTZ, E/W  
     [*Atriplex argentea* Nutt.] - SF!, W&W  
*Atriplex canescens* (Pursh) Nutt. var. *aptera* (A. Nels.) C. L. Hitchc. - Dorn01  
     [*Atriplex aptera* A. Nelson] - W&W<sup>1</sup>  
     [*Atriplex X aptera* A. Nelson] - KTZ  
     [*Atriplex canescens X A. gardneri*] - KTZ  
     [*Atriplex canescens* (Pursh) Nutt. subsp. *aptera* (A. Nelson) H. M. Hall & Clem.] - HDH, exp.  
     [*Atriplex gardneri* (Moq.) D. Dietr. var. *aptera* (A. Nelson) S. L. Welsh & Crompton] -  
*Atriplex canescens* (Pursh) Nutt. var. *canescens* - Dorn01, KTZ, E/W  
     [*Atriplex canescens* (Pursh) Nutt.] - GPF, SF!  
     [*Atriplex canescens* (Pursh) Nutt. subsp. *canescens*] - HDH, W&W  
     [*Atriplex canescens* (Pursh) Nutt. var. *occidentalis* (Torr. & Frém.) S.L. Welsh & Stutz]- UTF  
*Atriplex confertifolia* (Torr. & Frém.) S. Wats. - Dorn01, GPF, HDH, KTZ, SF!, W&W, E/W  
*Atriplex corrugata* S. Watson - HDH, KTZ, SFW, UTF, W&W, W  
*Atriplex cuneata* A. Nelson var. *cuneata*  
     [*Atriplex cuneata* A. Nelson subsp. *cuneata*] - KTZ  
     [*Atriplex gardneri* (Moq.) Standl.] - W&W  
     [*Atriplex gardneri* (Moq.) D. Dietr. var. *cuneata* (A. Nelson) S. L. Welsh] - UTF  
     [*Atriplex nuttallii* S. Watson subsp. *cuneata* (A. Nelson) H. M. Hall & Clem.] - HDH

- Atriplex gardneri* (Moq.) D. Dietr. var. *gardneri* - Dorn01, UTF, E/W  
 [Atriplex gardneri (Moq.) D. Dietr.] - SF!  
 [Atriplex gardneri (Moq.) Standl.] - SF!, W&W  
 [Atriplex nuttallii S. Watson] - GPF, KTZ  
 [Atriplex nuttallii S. Watson subsp. *gardneri* (Moq.) H. M. Hall & Clem.] - HDH  
 [Atriplex nuttallii S. Watson subsp. *nuttallii*] - HDH
- Atriplex gardneri* (Moq.) D. Dietr. var. *utahensis* (M. E. Jones) Dorn - Dorn01, E/W  
 [Atriplex gardneri (Moq.) Standl.] - SF!, W&W  
 [Atriplex gardneri (Moq.) D. Dietr. var. *tridentata* (Kuntze) Macbr.] - UTF  
 [Atriplex nuttallii S. Watson] - GPF  
 [Atriplex nuttallii S. Watson subsp. *tridentata* (Kuntze) H. M. Hall & Clem.] - HDH  
 [Atriplex *tridentata* Kuntze] - KTZ
- Atriplex garrettii* Rydb. - KTZ, UTF  
 [Atriplex canescens (Pursh) Nutt. subsp. *garrettii* (Rydb.) H. M. Hall & Clem.] - HDH, W&W
- Atriplex graciliflora* M. E. Jones - KTZ, SFW, UTF, W&W, W
- ∴ *Atriplex heterosperma* Bunge - Dorn01, GPF, SF!, UTF, W&W, E/W  
 [Atriplex *micrantha* Ledeb.] - KTZ
- ∴ *Atriplex hortensis* L. - Dorn01, GPF, HDH, KTZ, SF!, UTF, W&W, E/W
- Atriplex obovata* Moq. - HDH, KTZ, SFW, UTF, W&W, W
- Atriplex pachypoda* Stutz & Chu - KTZ, W&W<sup>1</sup>
- Δ *Atriplex patula* L. var. *patula* - UTF, E/W  
 [Atriplex *patula* L.] - KTZ, SF!, W&W<sup>1</sup>  
 [Atriplex *patula* L. subsp. *patula*] - HDH
- Atriplex powellii* S. Watson - Dorn01, GPF, HDH, KTZ, SF!, UTF, W&W, E/W
- Δ {*Atriplex prostrata* Bouchér ex DC.} - KTZ, W&W<sup>1</sup>, misid
- ∴ *Atriplex rosea* L. - Dorn01, GPF, HDH, KTZ, SF!, UTF, W&W, E/W
- Atriplex saccaria* S. Watson Dorn01, - HDH, KTZ, SF!, W&W, E/W  
 [Atriplex *saccaria* S. Watson var. *saccaria*] - UTF, IMF
- Atriplex subspicata* (Nutt.) Rydb. - Dorn01, KTZ  
 [Atriplex *patula* L.] - W&W  
 [Atriplex *patula* L. subsp. *hastata* (L.) H. M. Hall & Clem.] - HDH, KTZ  
 [Atriplex *patula* L. var. *triangularis* (Willd.) K. Thorne & S. L. Welsh] - UTF  
 [Atriplex *prostrata* Boucher ex DC. subsp. *triangularis* (Willd.) Rauschert] - W&W, W&W<sup>1</sup>, err. rep.
- Atriplex suckleyi* (Torr.) Rydb. - Dorn01, SFW, W&W, W  
 [Atriplex *dioica* (Nutt.) J. F. Macbr.] - GPF, HDH, exp.  
 [Endolepis *dioica* (Nutt.) Standl.] - KTZ
- Atriplex tenuissima* A. Nelson -KTZ  
 [Atriplex *tenuissima* A. Nelson] - HDH  
 [Atriplex *wolfii* S. Watson] - UTF, W&W
- Atriplex truncata* (Torr. ex S. Watson) A. Gray - Dorn01, KTZ, E/W  
 [Atriplex *truncata* (Torr.) A. Gray] - HDH, SF!, UTF, W&W
- Atriplex wolfii* S. Watson - Dorn01, HDH, KTZ, SFW, UTF, W&W, W
- ∴ *Axyris amaranthoides* L. - GPF, KTZ, SF!, W&W, E/W

**Bassia** (see also **Kochia**)

*Bassia americana* (S. Watson) Scott - Dorn01

*Bassia hyssopifolia* (Pall.) Kuntze - Dorn01, FCF, GPF, HDH, KTZ, SF!, UTF, W&W, E/W

**Ceratoides** (see **Krascheninnikovia**)

## Chenopodium

(Identification sources: \_\_\_\_\_)

- ∴ *Chenopodium album* L. var. *album* - KTZ, UTF, E/W  
[*Chenopodium album* L.] - Dorn01, GPF, HDH, SF!, W&W
- Chenopodium album* L. var. *missouriense* (Aellen) I. J. Bassett & C. W. Crompton - W&W<sup>1</sup>  
[*Chenopodium berlandieri* Moq. var. *bushmanum* (Aellen) Cronquist] - KTZ <KS>, W&W  
[*Chenopodium paganum* Rchb.] - HDH, exp.
- ∴ *Chenopodium ambrosioides* L. var. *ambrosioides* - KTZ, E/W  
[*Chenopodium ambrosioides* L.] - GPF, HDH, UTF  
[*Dysphania ambrosioides* (L.) Mosyakin & Clemants] - FNA  
[*Teloxys ambrosioides* (L.) W. A. Weber] - SF!, W&W
- Chenopodium atrovirens* Rydb. - Dorn01, GPF, HDH rep., KTZ, SF!, UTF, W&W, E/W  
[*Chenopodium aridum* A. Nelson] - W&W<sup>1</sup>
- Chenopodium berlandieri* Moq. var. *berlandieri* - KTZ, E/W  
[*Chenopodium album* L. var. *berlandieri* (Moq.) Mack. & Bush] - UTF  
[*Chenopodium berlandieri* Moq.] - HDH, SF!, W&W
- Chenopodium berlandieri* Moq. var. *boscianum* (Moq.) H. A. Wahl - KTZ, E/W  
[*Chenopodium standleyanum* Aellen] - GPF, HDH, exp.  
[*Chenopodium berlandieri* Moq.] - SF!, W&W
- Chenopodium berlandieri* Moq. var. *zschackei* (Murray) Murr ex Asch. - Dorn01, KTZ, E/W  
[*Chenopodium berlandieri* Moq. var. *zschackei* (Murray) Murray] - GPF  
[*Chenopodium berlandieri* Moq.] - SF!, W&W
- ∴ *Chenopodium botrys* L. - Dorn01, GPF, HDH, KTZ, UTF, E/W  
[*Dysphania botrys* (Linnaeus) Mosyakin & Clemants] - FNA  
[*Teloxys botrys* (L.) W. A. Weber] - SF!, W&W
- Δ *Chenopodium capitatum* (L.) Ambrosi var. *capitatum* - FNA  
[*Chenopodium capitatum* (L.) Asch. var. *capitatum* - Dorn01, UTF  
[*Chenopodium capitatum* (L.) Asch.] - GPF, HDH, SF!, W&W, E/W  
[*Chenopodium capitatum* (L.) Ambrosi] - KTZ
- Δ *Chenopodium capitatum* (L.) Ambrosi var. *parvicapitatum* S. L. Welsh - FNA  
[*Blitum hastatum* Rydb.] - FNA  
[*Chenopodium overi* A. Heller] - GPF
- Chenopodium cycloides* A. Nelson - GPF, HDH, KTZ, SFE, W&W, E
- Chenopodium desiccatum* A. Nelson - Dorn01, GPF, KTZ, SFE, UTF, W&W, E  
[*Chenopodium leptophyllum* (Nutt. ex Moq.) S. Watson var. *oblongifolium* S. Watson] - W&W
- ∴ *Chenopodium foliosum* (Moench) Asch. - KTZ, SF!, W&W, E/W  
[*Chenopodium capitatum* (L.) Asch. var. *parvicapitatum* S. L. Welsh] - UTF
- Chenopodium fremontii* S. Watson - Dorn01, GPF, HDH, SF!, W&W, E/W  
[*Chenopodium fremontii* S. Watson var. *fremontii*] - KTZ, UTF
- ∴ *Chenopodium glaucum* L. var. *glaucum* - Dorn01, E/W  
[*Chenopodium glaucum* L.] - GPF, KTZ, SF!, W&W  
[*Chenopodium glaucum* L. subsp. *glaucum*] - HDH
- Chenopodium glaucum* L. var. *salinum* (Standl.) Boivin - Dorn01  
[*Chenopodium salinum* Standl.] - KTZ  
[*Chenopodium glaucum* L.] - GPF, SF!, W&W
- Δ *Chenopodium graveolens* Willd. - HDH, KTZ, E/W  
[*Dysphania graveolens* (Willdenow) Mosyakin & Clemants] - FNA  
[*Teloxys graveolens* (Willd.) W. A. Weber] - SF!, W&W

- Chenopodium hians* Standl. - Dorn01, HDH, KTZ, W&W, E  
 [Chenopodium atrovirens Rydb.] - UTF  
 [Chenopodium album L.] - SFE  
 ∴ {Chenopodium humile Hook.} - KTZ, UTF  
 {Chenopodium foliosum (Moench) Asch.} - W&W<sup>1</sup>  
*Chenopodium incanum* (S. Watson) A. Heller var. *incanum* - GPF, KTZ, E/W  
 [Chenopodium fremontii S. Watson var. *incanum* S. Watson] - UTF  
 [Chenopodium incanum (S. Watson) A. Heller] - Dorn01, HDH, SF!, W&W  
*Chenopodium leptophyllum* (Moq.) Nutt. ex S. Watson - Dorn01, KTZ, E/W  
 [Chenopodium leptophyllum Nutt.] - HDH  
 [Chenopodium leptophyllum (Moq.) S. Watson] - UTF  
 [Chenopodium leptophyllum (Nutt.) S. Watson] - SF!  
 [Chenopodium leptophyllum Nutt. ex Moq.] - GPF  
 [Chenopodium leptophyllum (Nutt. ex Moq.) S. Watson var. *leptophyllum*] - W&W  
 {Chenopodium murale L.} - HDH, exp., KTZ  
*Chenopodium overi* Aellen - HDH, KTZ, E/W  
 [Chenopodium foliosum (Moench) Asch.] - SF!  
 [Chenopodium overi A. Heller] - GPF  
*Chenopodium pallescens* Standl. - Dorn01, GPF, HDH, KTZ, W&W, doubtful  
*Chenopodium polyspermum* L. - FCF  
*Chenopodium pratericola* Rydb. - Dorn01, GPF, HDH, KTZ, SFE, W&W, E  
 [Chenopodium albescens Small] - HDH, rep.  
 [Chenopodium dessicatum A. Nelson] - UTF  
*Chenopodium rubrum* L. var. *rubrum* - Dorn01, E/W  
 [Chenopodium rubrum L.] - GPF, KTZ, SF!, UTF, W&W  
 [Chenopodium rubrum L. forma *humile* (Hook.) Asch. & Graeb.] - HDH  
 [Chenopodium rubrum L. forma *rubrum*] - HDH  
*Chenopodium rubrum* L. var. *glomeratum* Wallr. - Dorn01, E/W  
 [Chenopodium chenopodioides (L.) Aellen] - HDH rep., KTZ  
 [Chenopodium rubrum L.] - SF!  
*Chenopodium simplex* (Torr.) Raf. - Dorn01, KTZ, SF!, UTF, W&W, E/W  
 [Chenopodium gigantespermum Aellen] - GPF, HDH  
*Chenopodium strictum* Roth var. *glaucophyllum* (Aellen) Wahl - Dorn01  
 [Chenopodium strictum Roth] - W&W<sup>1</sup>  
 [Chenopodium strictum Roth subsp. *glaucophyllum* (Aellen) Aellen & K. Just] - GPF  
 [Chenopodium album L.] - W&W<sup>1</sup>  
 [Chenopodium album L. var. *striatum* (Krasan) comb. nov., ined.] -KTZ  
 [NS - above variety not published fide IPNI (August 2007)]  
*Chenopodium subglabrum* (S. Watson) A. Nelson - Dorn01, GPF, HDH, exp., KTZ, SFE,  
 W&W, E  
*Chenopodium watsonii* A. Nelson - Dorn01, GPF, HDH, KTZ, SFE, W&W, E

Cladotrinx (see **Tidestromia**)

Corispermum

(Identification sources: \_\_\_\_\_)

- Corispermum americanum* (Nutt.) Nutt. var. *americanum* - KTZ, W&W<sup>1</sup>; Mosyakin95  
 [Corispermum americanum (Nutt.) Nutt.] - Dorn01, W&W<sup>1</sup>  
 [Corispermum orientale Lam.] - GPF, RMC

- Corispermum americanum* (Nutt.) Nutt. var. *rydbergii* S. Mosyakin - KTZ, W&W<sup>1</sup>;  
 Mosyakin95, E/W  
 [*Corispermum hyssopifolium* L.] - GPF, HDH, SF!, W&W
- ◆ *Corispermum navicula* S. Mosyakin - **ENDEMIC** <CO>, KTZ, W&W<sup>1</sup>; Mosyakin95  
*Corispermum nitidum* Kit. ex Schultes - HDH, KTZ, W&W, W&W<sup>1</sup>, misapp., W  
 [*Corispermum nitidum* Kit.] - GPF, SFW, UTF, W&W<sup>1</sup>
- Corispermum pacificum* S. Mosyakin - KTZ  
*Corispermum villosum* Rydb. - Dorn01, HDH, KTZ, UTF, W&W<sup>1</sup>  
 [*Corispermum emarginatum* Rydb.] - HDH  
*Corispermum welshii* S. Mosyakin - Dorn01, KTZ
- Cycloloma atriplicifolium* (Spreng.) J. M. Coult. - Dorn01, GPF, HDH, KTZ, SF!, W&W, E/W
- Dysphania (see **Chenopodium**)
- Endolepis (see **Atriplex**)
- Eurotia (see **Krascheninnikovia**)
- Froelichia floridana* (Nutt.) Moq. var. *campestris* (Small) Fernald - GPF, HDH, KTZ, W&W, E  
 [*Froelichia floridana* (Nutt.) Moq.] - SFE  
*Froelichia gracilis* (Hook.) Moq. - GPF, HDH, KTZ, SFE, W&W, E
- Grayia (see also **Zuckia**)  
*Grayia spinosa* (Hook.) Moq. - Dorn01, HDH, KTZ, UTF, W  
 [*Atriplex grayi* Collotzi] - SFW  
 [*Atriplex grayi* Collotzi ex W. A. Weber] - W&W
- Guilleminea densa* (Humb. & Bonpl. ex Willd.) Moq. var. *densa* - KTZ, E  
 [*Guilleminea densa* (Willd.) Moq.] - GPF, SFE  
 [*Guilleminea densa* (Willd. ex Roem. & Schult.) Moq.] - W&W
- ∴ *Halogeton glomeratus* (M. Bieb.) C. A. Mey. - Dorn01, HDH, KTZ, SFW, UTF, W&W, W  
 [*Halogeton glomeratus* (Steph. ex M. Bieb.) C. A. Mey.]
- Kochia americana* S. Watson - HDH, KTZ, SFW, UTF, W&W, W  
 [*Bassia americana* (S. Watson) Scott] - Dorn01
- ∴ {*Kochia prostrata* (L.) Schrad.} - KTZ, UTF  
 ∴ *Kochia scoparia* (L.) Schrad. - GPF, HDH, UTF, E/W  
 [*Bassia sieversiana* (Pall.) W. A. Weber] - Dorn01, SF!, W&W  
 [*Bassia scoparia* (L.) A. J. Scott] - KTZ
- Krascheninnikovia lanata* (Pursh) Meeuse & Smit - Dorn01, KTZ, SF!, W&W, E/W  
 [*Ceratoides lanata* (Pursh) Howell] - GPF  
 [*Ceratoides lanata* (Pursh) Howell var. *lanata*] - UTF  
 [*Ceratoides lanata* (Pursh) Howell var. *ruinina* S. L. Welsh] - UTF  
 [*Eurotia lanata* (Pursh) Moq.] - HDH  
 [*Krascheninnikovia lanata* (Pursh) Meeuse & Smit var. *lanata*] - UT3  
 [*Krascheninnikovia ceratoides* (L.) Gueldenst. subsp. *lanata* (Pursh) H. Heklau] - Helau08

*Monolepis nuttalliana* (Schult.) Greene - Dorn01, HDH, KTZ, SF!, UTF, W&W, E/W  
[*Monolepis nuttalliana* (Roem. & Schult.) Greene] - GPF

*Monolepis pusilla* Torr. ex S. Watson - Dorn01, KTZ, UTF, W  
[*Monolepis pusilla* Torr.] - HDH rep., SFW, W&W

*Proatriplex pleiantha* (W. A. Weber) Stutz & Chu - KTZ, SFW, W&W, W  
[*Atriplex pleiantha* W. A. Weber] - HDH, UTF

{*Salicornia maritima* Wolff & Jefferies} - KTZ

*Salicornia rubra* A. Nelson - Dorn01, GPF, HDH, KTZ, E/W

[*Salicornia europaea* L.] - UTF

[*Salicornia europaea* L. subsp. *rubra* (A. Nelson) Breitung] - SF!, W&W

∴ *Salsola australis* R. Br. - SF!, W&W, E/W

[*Salsola iberica* Senn. & Pau] - GPF

[*Salsola kali* L. var. *tenuifolia* Tausch] - HDH

[*Salsola kali* L. subsp. *tragus* (L.) Celak.] -

[*Salsola pestifera* A. Nels.] - UTF

[*Salsola tragus* L.] - Dorn01, KTZ

∴ *Salsola collina* Pall. - Dorn01, GPF, HDH, KTZ, SF!, UTF, W&W, E/W

*Salsola paulsenii* Litv. - KTZ, UTF

*Sarcobatus* (see **SRB**)

*Suaeda*

(Identification sources: \_\_\_\_\_)

*Suaeda calceoliformis* (Hook.) Moq. - Dorn01, KTZ, SF!, UTF, W&W, E/W

[*Suaeda depressa* (Pursh) S. Watson] - GPF

[*Suaeda depressa* (Pursh) S. Watson var. *depressa*] - HDH

[*Suaeda depressa* (Pursh) S. Watson var. *erecta* S. Watson] - HDH

*Suaeda moquinii* (Torr.) Greene - GPF, KTZ, E/W

[*Suaeda fruticosa* (L.) Forskal] - HDH, W&W, misapp.

[*Suaeda moquinii* Torr.] - SFW, W&W

[*Suaeda moquinii* (Torr.) Greene] - GPF, KTZ

[*Suaeda nigra* (Raf.) J. F. Macbr.] - Dorn01, HDH, SF!, W&W

[*Suaeda torreyana* S. Watson] - HDH

[*Suaeda torreyana* S. Watson var. *torreyana*] - UTF

*Suaeda nigra* (Raf.) Macbr. - Dorn01

[*Suaeda moquinii* (Torr.) Greene] - KTZ

*Suaeda occidentalis* (S. Watson) S. Watson - Dorn01, UTF

[*Suaeda calceoliformis* (Hook.) Moq.] - KTZ

[*Suaeda occidentalis* S. Watson] - HDH, W&W, no specimens seen

*Suckleya suckleyana* (Torr.) Rydb. - Dorn01, GPF, HDH, KTZ, SFE, W&W, E

*Teloxys* (see **Chenopodium**)

*Tidestromia lanuginosa* (Nutt.) Standl. - GPF, HDH, KTZ, UTF, E/W

[*Cladothrix lanuginosa* Nutt.] - SF!

[*Cladothrix lanuginosa* (Nutt. ex Moq.) Benth. & Hook.] - W&W

*Zuckia brandegeei* (A. Gray) S. L. Welsh & Stutz ex S. L. Welsh var. *brandegeei* - KTZ, W

[*Atriplex brandegei* (A. Gray) Collotzi] - SFW

[*Grayia brandegei* A. Gray] - HDH

[*Zuckia brandegei* (A. Gray) S. L. Welsh & Stutz var. *brandegei*] - UTF

[*Zuckia brandegei* (A. Gray) S. L. Welsh & Stutz] - W&W

*Zuckia brandegeei* (A. Gray) S. L. Welsh & Stutz ex S. L. Welsh var. *plummeri* (Stutz & Sanders.) Dorn - Dorn01, KTZ, Stutz87, W

[*Atriplex brandegei* (A. Gray) Collotzi] - SFW

[*Zuckia brandegei* (A. Gray) S. L. Welsh & Stutz var. *plummeri* (Stutz & Sanders.) S. L. Welsh] - UTF

### **Amaryllidaceae (see ALL)**

### **Anacardiaceae - ANA**

*Rhus* (see also **Toxicodendron**)

(Identification sources: \_\_\_\_\_)

*Rhus aromatica* Aiton var. *simplicifolia* (Greene) Cronquist - IMF, UTF, W

[*Rhus trilobata* Nutt. subsp. *trilobata* (Nutt. ex Torr. & A. Gray) W. A. Weber forma *simplicifolia* (Greene) W. A. Weber] - W

[*Rhus trilobata* Nutt. var. *simplicifolia* (Greene) F. A. Barkley] - KTZ, WJ

[*Rhus trilobata* Nutt. ex Torr. & A. Gray var. *simplicifolia* (Greene) F. A. Barkley] - HDH

*Rhus aromatica* Aiton var. *trilobata* (Nutt.) A. Gray ex S. Watson - Dorn01, IMF, E/W

[*Rhus aromatica* Aiton subsp. *pilosissima* (Engelm.) W. A. Weber] - SFE, W&W

[WJ - subsp. *pilosissima* is an exceptionally hairy form of var. *trilobata*]

[*Rhus aromatica* Aiton var. *pilosissima* (Engelm.) Shinnery] - JB, GPF

[*Rhus aromatica* Aiton subsp. *trilobata* (Nutt.) W. A. Weber] - SF!

[*Rhus aromatica* Aiton subsp. *trilobata* (Nutt. ex Torr. & A. Gray) W. A. Weber] - W&W

[*Rhus aromatica* Aiton var. *trilobata* (Nutt.) A. Gray] - GPF, UTF

[*Rhus trilobata* Nutt. var. *trilobata*] - KTZ, RMC

[*Rhus trilobata* Nutt. ex Torr. & A. Gray var. *trilobata*] - HDH

[*Rhus trilobata* Nutt. var. *pilosissima* Engelm.] - KTZ

*Rhus glabra* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

Δ *Rhus typhina* L. - GPF, IMF, KTZ <KS, UT>, SF!, UTF, WJ (voucher at COLO), E/W

*Toxicodendron rydbergii* (Small ex Rydb.) Greene - Dorn01, IMF, KTZ, W&W, E/W

[*Rhus radicans* L.] - HDH

[*Toxicodendron rydbergii* (Small) Greene] - GPF, SF!, UTF

### **Anthericaceae - ATH**

*Echeandia flavescens* (Schultes & Schultes f.) Cruden - FNA, KWA

[*Anthericum flavescens* Schultes & Schultes f. in J. J. Roemer et al.] - FNA

[*Anthericum stenocarpum* Baker] - FNA

[*Anthericum torreyi* Baker] - M&H, FNA

[*Anthericum torreyi* var. *arizonicum* Poellnitz] - FNA

[*Anthericum torreyi* var. *lanceolatum* Poellnitz] - FNA  
[*Anthericum torreyi* var. *neomexicanum* Poellnitz] - FNA  
[*Echeandia leptophylla* Benth] - FNA  
[*Phalangium flavescens* Kunth] - FNA

*Leucocrinum montanum* Nutt. ex A. Gray - Dorn01, HDH, MF, TZ, UTF, W&W, E/W  
[*Leucocrinum montanum* Nutt.] - GPF, SF!

## Apiaceae - API (= Umbelliferae)

[NS - Some traditional generic boundaries are challenged by molecular data. For example, ITS sequence data indicate that *Cymopterus* and *Lomatium* are highly polyphyletic. However, traditional boundaries probably are best recognized until congruent data sets support the change of existing classifications.]

Aletes (see also **Cymopterus**, **Lomatium**, **Musineon**, **Neoparrya**)

(Identification sources: \_\_\_\_\_)

*Aletes acaulis* (Torr.) J. M. Coult. & Rose - HDH, KTZ, SFE, W&W, E

◆ *Aletes humilis* J. M. Coult. & Rose - **ENDEMIC** <CO, WY>, Dorn01, HDH, KTZ, SFE, W&W, E

∴ {*Anethum graveolens* L.} - HDH, exp., KTZ <AZ, KS, NE, OK, UT>

*Angelica ampla* A. Nelson - Dorn01, HDH, KTZ, SF!, W&W, E/W

*Angelica grayi* (J. M. Coult. & Rose) J. M. Coult. & Rose - Dorn01, KTZ, SF!, W&W, E/W  
[*Angelica grayi* J. M. Coult. & Rose] - HDH

*Angelica pinnata* S. Watson - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Angelica roseana* L. F. Hend. - Dorn01

[*Angelica roseana* L. F. Hend.] - HDH, IMF <CO, reputedly>, KTZ, UTF, W&W, err. rep.

∴ *Berula erecta* (Huds.) Coville var. *incisa* (Torr.) Cronquist - Dorn01, GPF, IMF, UTF, E/W  
[*Berula erecta* (Huds.) Coville] - HDH, KTZ, SF!, W&W

*Bupleurum americanum* J. M. Coult. & Rose - Dorn01, KTZ, RMC, W

[*Bupleurum triradiatum* Adams subsp. *arcticum* (Regel) Hultén] - SFW, W&W

∴ *Carum carvi* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Cicuta maculata* L. var. *angustifolia* Hook. - Dorn01, GPF, IMF, KTZ, UTF, Mulligan80, E/W

[*Cicuta douglasii* (DC.) J. M. Coult. & Rose] - HDH, SF!, W&W, misapp., W&W<sup>1</sup>

[*Cicuta maculata* L.] - W&W<sup>1</sup>

[*Cicuta maculata* L. var. *maculata*] - GPF, KTZ

*Conioselinum scopulorum* (A. Gray) J. M. Coult. & Rose - Dorn01, HDH, SF!, W&W, E/W

∴ *Conium maculatum* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

## Cymopterus



(Identification sources: \_\_\_\_\_)

- Cymopterus alpinus* A. Gray - Dorn01, IMF, RH, E/W  
[*Oreoxis alpina* (A. Gray) J. M. Coult. & Rose] - HDH, SF!, UTF  
[*Oreoxis alpina* (A. Gray) J. M. Coult. & Rose subsp. *alpina*] - KTZ, SF!, W&W  
[*Oreoxis alpina* (A. Gray) J. M. Coult. & Rose subsp. *puberulenta* W. A. Weber] - KTZ, SF!, W&W  
[RH - This subsp. endemic to Colorado if recognized.]
- ◆ *Cymopterus anisatus* A. Gray - **ENDEMIC** <CO>, RH, E/W  
[*Aletes anisatus* (A. Gray) Theobald & Tseng] - KTZ, SF!, W&W  
[*Pteryxia anisata* (A. Gray) Mathias & Constance] - HDH
- Cymopterus bakeri* (J. M. Coult. & Rose) M. E. Jones - IMF, RH, E/W  
[*Oreoxis bakeri* J. M. Coult. & Rose] - HDH, KTZ, SF!, UTF, W&W
- Cymopterus bulbosus* A. Nelson - Dorn01, HDH, IMF, KTZ, SFW, UTF, W&W, W
- Cymopterus constancei* R. L. Hartm. - Dorn01
- Cymopterus duchesnensis* M. E. Jones - IMF, KTZ, SFW, UTF, W&W, W
- Cymopterus glomeratus* (Nutt.) DC. - Sun05  
[*Cymopterus acaulis* (Pursh) Raf.] - Dorn01, GPF, HDH, Sun05; SFE, W&W  
[*Cymopterus acaulis* (Pursh) Raf. var. *acaulis*] - IMF, KTZ, UTF, E  
[*Cymopterus acaulis* (Pursh) Raf. var. *fendleri* (A. Gray) Goodrich] - IMF, KTZ, UTF, W  
[*Cymopterus fendleri* A. Gray] - HDH, SFW, W&W
- {*Cymopterus hendersonii* (J. M. Coult. & Rose) Cronquist} - IMF, RH, UTF, W&W, misapp.  
[*Pteryxia hendersonii* (J. M. Coult. & Rose) Mathias & Constance] - HDH, KTZ
- ◆ *Cymopterus humilis* (Raf.) Tidestr. & Kittell - **ENDEMIC** <CO, NM?> RH, E  
[*Oreoxis humilis* Raf.] - HDH, KTZ, SFE, W&W
- Cymopterus lapidosus* (Jones) Jones - Dorn01, KTZ
- Cymopterus lemmonii* (J. M. Coult. & Rose) Dorn - Dorn01, IMF, UTF, E/W  
[*Pseudocymopterus montanus* (A. Gray) J. M. Coult. & Rose] - HDH, KTZ, SF!, W&W
- Cymopterus longilobus* (Rydb.) W. A. Weber - W&W, err. rep.  
[*Pteryxia hendersonii* (J. M. Coult. & Rose) Mathias & Constance p.p.] - HDH, KTZ  
[*Aletes anisatus* (A. Gray) Theobald & Tseng] - W&W
- Cymopterus longipes* S. Watson - Dorn01, HDH, KTZ, RH, UTF, W&W, misapp.  
{*Cymopterus longipes* S. Watson var. *longipes*} - IMF
- Cymopterus macdougallii* (J. M. Coult. & Rose) Tidestr. "var. *breviradiatus*", combination not available.  
[*Aletes macdougallii* J. M. Coult. & Rose] - HDH  
[*Aletes macdougallii* J. M. Coult. & Rose subsp. *breviradiatus* Theobald & Tseng] - KTZ, SFW, UTF, W&W  
[*Cymopterus macdougallii* (J. M. Coult. & Rose) Tidestr.] - IMF, RH
- Cymopterus montanus* Torr. & A. Gray - Dorn01, GPF, W&W, E  
[*Cymopterus montanus* Nutt.] - SFE  
[*Cymopterus montanus* (Nutt.) Torr. & A. Gray] - HDH  
[*Cymopterus montanus* Nutt. ex Torr. & A. Gray] - KTZ
- {*Cymopterus multinervatus* (J. M. Coult. & Rose) Tidestr.} - HDH, exp., KTZ <AZ, NM, UT>, RH, SFW, W&W, misapp., W
- {*Cymopterus newberryi* (S. Watson) M. E. Jones} - HDH exp., KTZ <AZ, UT>, W&W
- Cymopterus petraeus* M. E. Jones - IMF, RH, W  
[*Aletes petraeus* (M. E. Jones) W. A. Weber] - SFW, W&W  
[*Cymopterus terebinthinus* (Hook.) Torr. & A. Gray var. *petraeus* (M.E.Jones) Goodrich]-UTF  
[*Pteryxia petraea* (M. E. Jones) J. M. Coult. & Rose] - KTZ
- ◆ *Cymopterus planosus* (Osterh.) Mathias - **ENDEMIC** <CO, WY>, HDH, KTZ, SF!, W&W, W

[RH - voucher at RM]

*Cymopterus purpurascens* (A. Gray) M. E. Jones - FCF, HDH, KTZ, RH, misapp., SFW, UTF, W&W, W

*Cymopterus purpureus* S. Watson - HDH, IMF, KTZ, SFW, W&W, W

[*Cymopterus purpureus* S. Watson var. *purpureus*] - UTF

*Cymopterus sessiliflorus* (Theobald & Tseng) comb. nov. ined. - RH, W

[*Aletes sessiliflorus* Theobald & Tseng] - KTZ, SFW, W&W

*Cymopterus terebinthinus* (Hook.) Torr. & A. Gray var. *albiflorus* (Torr. & A. Gray) M. E. Jones - Dorn01, IMF, W

[*Cymopterus terebinthinus* (Hook.) Torr. & A. Gray var. *calcareus* (M. E. Jones) Cronquist] - SFW, UTF, W&W

[*Pteryxia terebinthina* (Hook.) J. M. Coult. & Rose var. *albiflora* (Torr. & A. Gray) Mathias] - KTZ

[*Pteryxia terebinthina* (Hook.) J. M. Coult. & Rose var. *calcareus* (M. E. Jones) Mathias] - HDH

◆ *Cymopterus williamsii* R. L. Hartm. & Const. - **ENDEMIC** <WY>, Dorn01, KTZ

∴ *Daucus carota* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, W&W, E/W

[*Daucus carota* L. subsp. *carota*] - UTF

{*Daucus pusillus* Michx.} - HDH, exp., KTZ <AZ, KS, NM, OK>

∴ *Eryngium planum* L. - GPF, KTZ, W&W

∴ {*Foeniculum vulgare* Mill.} - HDH, exp., IMF, KTZ <AZ, KS, NE, NM, UT>, UTF

*Falcaria vulgaris* Bernh. - Dorn01

[*Falcaria sioides* (Wibel) Aschers.] - KTZ

◆ *Harbouria trachypleura* (A. Gray) J. M. Coult. & Rose - **ENDEMIC** <CO, NM, WY>, Dorn01, HDH, IMF, KTZ, SFE, W&W, E

*Heracleum sphondylium* L. var. *lanatum* (Michx.) Dorn - Dorn01, E/W

[*Heracleum lanatum* Michx.] - HDH, IMF, UTF

[*Heracleum maximum* W. Bartram] - KTZ

[*Heracleum sphondylium* L. subsp. *montanum* (Schleich.) Briq.] - GPF, SF!

[*Heracleum sphondylium* L. subsp. *montanum* (Schleich. ex Gaudin) Briq.] - W&W

∴ *Levisticum officinale* W. D. J. Koch - KTZ, W&W

*Ligusticum filicinum* S. Watson - Dorn01, IMF, KTZ, RH, UTF

[*Ligusticum filicinum* S. Watson var. *filicinum*] - HDH, exp.

*Ligusticum porteri* J. M. Coult. & Rose - Dorn01, IMF, SF!, UTF, W&W, E/W

[*Ligusticum porteri* J. M. Coult. & Rose var. *porteri*] - HDH, KTZ, RMC

[*Ligusticum porteri* Coult. & Rose var. *brevilobum* (Rydb.) Mathias & Constance] - HDH, exp., KTZ <UT>

*Ligusticum tenuifolium* S. Watson - Dorn01, IMF, KTZ, SF!, UTF, W&W<sup>1</sup>, E/W

[*Ligusticum filicinum* S. Watson var. *tenuifolium* (S. Watson) Mathias & Constance] - HDH, W&W

Lomatium

(Identification sources: \_\_\_\_\_)

*Lomatium bicolor* (Wats.) Coult. & Rose var. *bicolor* -WY checklist, KTZ

- Lomatium bicolor* (Wats.) Coult. & Rose var. *leptocarpum* (T. & G.) Schlessm. - WY checklist, KTZ
- ◆ *Lomatium concinnum* (Osterh.) Mathias - **ENDEMIC** <CO>, HDH, KTZ, SFW, W&W, W  
*Lomatium cous* (Wats.) Coult. & Rose - Dorn01  
 [Lomatium circumdatum (S. Wats.) Coult. & Rose] - KTZ  
 [Lomatium montanum Coult. & Rose] - KTZ
- Lomatium dissectum* (Nutt.) Mathias & Constance var. *multifidum* (Nutt.) Mathias & Constance - Dorn01, HDH, IMF, KTZ, W&W, E/W  
 [Lomatium dissectum (Nutt.) Mathias & Constance] - SF!  
 [Lomatium dissectum (Nutt.) Mathias & Constance var. *eatonii* (J. M. J. M. Coult. & Rose) Cronquist] - IMF, UTF  
 [RH - not known whether this variety occurs in Colorado]
- ◆ *Lomatium eastwoodiae* (J. M. Coult. & Rose) J. F. Macbr. - **ENDEMIC** <CO>, HDH, KTZ, W  
 [Aletes eastwoodiae (J. M. Coult. & Rose) W. A. Weber] - SFW, W&W  
 [Lomatium parryi (S. Watson) Macbr.] - IMF
- Lomatium foeniculaceum* (Nutt.) J. M. Coult. & Rose var. *foeniculaceum* - GPF, IMF, E/W  
 [Lomatium foeniculaceum (Nutt.) J. M. Coult. & Rose] - Dorn01, SFE, HDH  
 [Lomatium foeniculaceum (Nutt.) J. M. Coult. & Rose subsp. *foeniculaceum*] -KTZ, W&W  
 [Lomatium foeniculaceum (Nutt.) J. M. Coult. & Rose subsp. *macdougalii* (J. M. Coult. & Rose) Theobald] - KTZ, SFW, W&W  
 [Lomatium foeniculaceum (Nutt.) J. M. Coult. & Rose var. *macdougalii* (J. M. Coult. & Rose) Cronquist] - IMF, UTF
- {*Lomatium graveolens* (S. Watson) Dorn & R. L. Hartm. var. *graveolens*} - Dorn01, IMF, KTZ <UT, WY>, W&W  
 {*Lomatium nuttallii* (A. Gray) Macbr.} - HDH, exp.
- Lomatium grayi* (J. M. Coult. & Rose) J. M. Coult. & Rose var. *grayi* - Dorn01, IMF, KTZ, W  
 [Lomatium grayi J. M. Coult. & Rose] - HDH, SFW, W&W
- Lomatium juniperinum* (M. E. Jones) J. M. Coult. & Rose - Dorn01, HDH, exp., IMF, KTZ, SFW, UTF, W&W, W
- Lomatium latilobum* (Rydb.) Mathias - HDH rep., IMF, KTZ, UTF, W  
 [Aletes latilobus (Rydb.) W. A. Weber] - SFW, W&W
- Lomatium leptocarpum* (Torr. & A. Gray) J. M. Coult. & Rose - Dorn01, HDH, IMF, W  
 [Lomatium bicolor (S. Watson) J. M. Coult. & Rose var. *leptocarpum* (Nutt.) Schlessm.] - SFW  
 [Lomatium bicolor (S. Watson) J. M. Coult. & Rose var. *leptocarpum* (Torr. & A. Gray) Schlessm.] - KTZ  
 [Lomatium bicolor (S. Watson) J. M. Coult. & Rose var. *leptocarpum* (Nutt. ex Torr. & A. Gray) Schlessm.] - W&W
- Lomatium macrocarpum* (Nutt. ex Torr. & A. Gray) J. M. Coult. & Rose - Dorn01, KTZ, W  
 [Lomatium macrocarpum (Hook. & Arn.) J. M. Coult. & Rose] - GPF, HDH, SFW, UTF, W&W
- Lomatium nuttallii* (A. Gray) J. F. Macbr. - Dorn01, GPF, IMF, KTZ, E/W  
 [Aletes nuttallii (A. Gray) W. A. Weber] - SF!, W&W  
 [Lomatium megarrhizum (A. Nelson) Mathias]
- Lomatium orientale* J. M. Coult. & Rose - Dorn01, GPF, HDH, IMF; *L. nevadense* has priority, possibly conspecific, KTZ, SF!, &W, E/W  
 [Lomatium nevadense (S. Watson) J. M. Coult. & Rose] - UTF
- Lomatium triternatum* (Pursh) J. M. Coult. & Rose subsp. *platycarpum* (Torr.) Cronquist - IMF, SFW, UTF, W&W, W  
 [Lomatium triternatum (Pursh.) Coult. & Rose var. *platycarpum* (Torr.) Boivin] - Dorn01  
 [Lomatium simplex (Nutt.) J. F. Macbr.] - HDH  
 [Lomatium simplex (Nutt.) J. F. Macbr. var. *simplex*] - KTZ

*Musineon divaricatum* (Pursh) Nutt. ex Torr. & A. Gray - Dorn01, IMF, E  
[*Musineon divaricatum* (Pursh) Nutt.] - GPF  
[*Musineon divaricatum* (Pursh) Raf.] - SFE  
[*Musineon divaricatum* (Pursh) Raf. var. *divaricatum*] - KTZ, W&W<sup>1</sup>  
[*Musineon divaricatum* (Pursh) Nutt. ex Torr. & A. Gray var. *divaricatum*] - HDH, W&W  
[*Musineon divaricatum* (Pursh) Raf. var. *hookeri* Torr. & A. Gray] - W&W<sup>1</sup>  
[*Musineon divaricatum* (Pursh) Raf. var. *hookeri* (Torr. & A. Gray) Mathias] - KTZ  
[*Musineon divaricatum* (Pursh) Nutt. ex Torr. & A. Gray var. *hookeri* Torr. & A. Gray] - HDH, W&W

*Musineon tenuifolium* Nutt. ex Torr. & A. Gray - Dorn01, HDH, E

[*Aletes tenuifolius* (Nutt.) W. A. Weber] - SFE  
[*Aletes tenuifolius* (Nutt. ex Torr. & A. Gray) W. A. Weber] - W&W  
[*Musineon tenuifolium* Nutt.] - GPF  
[*Musineon tenuifolium* (Nutt.) J. M. Coult. & Rose]  
[*Musineon tenuifolium* (Nutt. ex Torr. & A. Gray) J. M. Coult. & Rose] - KTZ

◆ *Neoparrya lithophila* Mathias - **ENDEMIC** <CO, NM>, KTZ, RH, E  
[*Aletes lithophilus* (Mathias) W. A. Weber] - SFE, W&W

Oreoxis (see **Cymopterus**)

*Orogenia linearifolia* S. Watson - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
[*Orogenia linearifolia* S. Watson var. *lata* Payson] - SFW

*Osmorhiza chilensis* Hook. & Arn. - GPF, HDH, IMF, SF!, UTF, W&W, Lowry84, E/W  
[*Osmorhiza berteroi* DC.] - Dorn01, KTZ

*Osmorhiza depauperata* Phil. - Dorn01, GPF, IMF, KTZ, SF!, UTF, W&W, E/W  
[*Osmorhiza obtusa* (J. M. Coult. & Rose) Fernald] - HDH

*Osmorhiza longistylis* (Torr.) DC. - Dorn01, HDH, KTZ, SFE, W&W, E  
[*Osmorhiza longistylis* (Torr.) DC. var. *longistylis*] - GPF

*Osmorhiza occidentalis* (Nutt. ex Torr. & A. Gray) Torr. - Dorn01, IMF, KTZ, E/W  
[*Osmorhiza occidentalis* (Nutt.) Torr.] - HDH, SF!, UTF, W&W

*Oxypolis fendleri* (A. Gray) A. Heller - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

∴ *Pastinaca sativa* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, W&W, E/W  
[*Pastinaca sativa* L. subsp. *sativa*] - UTF  
[*Pastinaca sativa* L. var. *sativa*]

*Perideridia montana* (Blank.) Dorn - Dorn01, IMF, E/W

[*Perideridia gairdneri* (Hook. & Arn.) Mathias] - GPF, HDH  
[*Perideridia gairdneri* (Hook. & Arn.) Mathias subsp. *borealis* T. I. Chuang & Constance] - KTZ, SF!, UTF, W&W

*Podistera eastwoodiae* (J. M. Coult. & Rose) Mathias & Constance - HDH, IMF, KTZ, SF!, UTF, W&W, E/W

Pseudocymopterus (see **Cymopterus**)

Pteryxia (see **Cymopterus**)

{*Sanicula canadensis* L.} - HDH, exp.,  
{*Sanicula canadensis* L. var. *canadensis*} - KTZ <KS, NE, OK, WY>  
*Sanicula marilandica* L. - Dorn01, GPF, HDH, KTZ, SF!, W&W, E/W

*Sium suave* Walter - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Spermolepis divaricata* (Walt.) Raf. ex Ser. - KTZ, M&H

*Zizia aptera* (A. Gray) Fernald - Dorn01, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E  
{*Zizia aurea* (L.) W. D. J. Koch} - HDH, exp., KTZ <KS, NE, OK>

### **Apocynaceae - APO (including Asclepiadaceae)**

(Identification sources: \_\_\_\_\_)

*Amsonia jonesii* Woodson - HDH, IMF, KTZ, SFW, UTF, W&W, W

*Apocynum androsaemifolium* L. - Dorn01, GPF, KTZ, SF!, W&W, E/W

[*Apocynum androsaemifolium* L. var. *androsaemifolium*] - HDH, IMF, UTF

[*Apocynum androsaemifolium* L. var. *glabrum* Macoun] - HDH

[*Apocynum androsaemifolium* L. var. *incanum* A. DC.]

*Apocynum cannabinum* L. - GPF, KTZ, SF!, UTF, W&W, E/W

[*Apocynum cannabinum* L. var. *cannabinum*] - Dorn01, IMF

[*Apocynum cannabinum* L. var. *glaberrimum* A. DC.] - HDH, IMF

[*Apocynum cannabinum* L. var. *pubescens* (R. Br.) A. DC.] - HDH, exp.

[*Apocynum sibericum* Jacq.] - UTF, W&W<sup>1</sup>

[*Apocynum sibericum* Jacq. var. *salignum* (Greene) Fernald] - HDH, IMF

[*Apocynum sibericum* Jacq. var. *sibericum*] - HDH, exp.

[*Apocynum suksdorfii* Greene] - HDH

*Apocynum X floribundum* Greene - GPF, IMF, KTZ, E/W

[*Apocynum androsaemifolium* X *A. cannabinum*] - KTZ

[*Apocynum medium* Greene] - W&W

[*Apocynum X medium* Greene] - SF!, UTF, W&W

[*Apocynum medium* Greene var. *floribundum* (Greene) Woodson] - HDH

[*Apocynum medium* Greene var. *lividum* (Greene) Woodson] - HDH

### **Asclepias**

*Asclepias arenaria* Torr. - Dorn01, GPF, HDH, KTZ, SFE, W&W, E

*Asclepias asperula* (Decne.) Woodson var. *asperula* - GPF, IMF, UTF, E/W

[*Asclepias asperula* Woodson] - SFW

[*Asclepias asperula* (Decne.) Woodson] - SFE

[*Asclepias asperula* (Decne.) Woodson subsp. *asperula*] - KTZ, W&W

[*Asclepias asperula* (Decne.) Woodson subsp. *capricornu* (Woodson) Woodson] - W&W, err. rep.

[*Asclepias capricornu* Woodson subsp. *capricornu*] - HDH

[*Asclepias capricornu* Woodson subsp. *occidentalis* Woodson] - HDH

{*Asclepias brachystephana* Engelm.} - HDH, exp.

{WJ - does not occur north of about latitude 34° [e.g., ca. Socorro, NM]}

{*Asclepias brachystephana* Engelm. ex Torr.} - KTZ <AZ, NM>, W&W<sup>1</sup>, misid.

*Asclepias cryptoceras* S. Watson var. *cryptoceras* - Dorn01, IMF, UTF, W

[*Asclepias cryptoceras* S. Watson] - HDH, SFW, W&W

[*Asclepias cryptoceras* S. Watson subsp. *cryptoceras*] - KTZ

*Asclepias engelmanniana* Woodson - Dorn01, GPF, HDH, IMF, KTZ, SFE, W&W, E  
 [NS - Arnold Clifford believes this is the same species as *A. rusbyi* (an older name), which has been followed by UT3. Somebody needs to check type specimens of each name.]  
*Asclepias hallii* A. Gray - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Asclepias incarnata* L. var. *incarnata* - E  
 [*Asclepias incarnata* L.] - Dorn01, GPF, HDH, IMF, SFE, UTF, W&W  
 [*Asclepias incarnata* L. subsp. *incarnata*] - KTZ  
*Asclepias involucrata* Engelm. ex Torr. - IMF, KTZ, UTF, W&W, E  
 [*Asclepias involucrata* Engelm.] - GPF, HDH, SFE  
*Asclepias latifolia* (Torr.) Raf. - GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E  
*Asclepias macrosperma* Eastw. - IMF, SFW, UTF, W&W, W  
 [*Asclepias involucrata* Engelm.] - KTZ  
*Asclepias macrotis* Torr. - GPF, HDH, KTZ, SFE, W&W, E  
*Asclepias oenotheroides* Cham. & Schldl. - GPF, KTZ, SFE, W&W, E  
*Asclepias pumila* (A. Gray) Vail - GPF, HDH, KTZ, SFE, W&W, E  
*Asclepias rusbyi* (Vail) Woodson - UT3, CC & WJ, IMF, KTZ, UTF, W&W<sup>1</sup>; COLO, RM  
*Asclepias speciosa* Torr. - Dorn01, KTZ  
 [*Asclepias giffordii* Eastw.] - KTZ  
*Asclepias stenophylla* A. Gray - GPF, HDH, KTZ, SFE, W&W, E  
*Asclepias subverticillata* (A. Gray) Vail - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Asclepias tuberosa* L. var. *interior* (Woodson) Shinnars - IMF, E/W  
 [*Asclepias tuberosa* L. subsp. *interior* Woodson] - GPF, HDH, KTZ, W&W, err. rep.  
 [*Asclepias tuberosa* L. subsp. *terminalis* Woodson] - GPF, SF!, UTF, W&W  
*Asclepias uncialis* Greene - Dorn01, GPF, HDH, SFE, W&W, E  
 [*Asclepias uncialis* Greene subsp. *uncialis*] - KTZ  
 {*Asclepias verticillata* L.} - HDH rep., KTZ, W&W, err. rep.  
*Asclepias viridiflora* Raf. - GPF, HDH, KTZ, SFE, W&W, E  
  
*Funastrum crispum* (Benth.) Schldl. - KTZ, W&W<sup>1</sup>, Liede96, E  
 [*Sarcostemma crispum* Benth.] - GPF, HDH, SFE, W&W

Sarcostemma (see **Funastrum**)

**Araceae - ARA** (see also **ACO**)

(Identification sources: \_\_\_\_\_)

*Lemna gibba* L. - Dorn01 (reported), FNA, GPF, HDH, IMF, KTZ, UTF, W&W  
*Lemna minor* L. - FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Lemna minuta* Kunth - Dorn01, FNA, IMF, KTZ, UTF, E/W  
 [*Lemna minima* Phillipi] - HDH, exp.  
 [*Lemna minor* L.] - RMC  
 [*Lemna minuscula* Herter] - SF!, W&W  
*Lemna trisulca* L. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Lemna turionifera* Landolt - Dorn01, FNA, GPF, KTZ, SF!, W&W, E/W  
 [*Lemna minor* L.] - RMC  
*Lemna valdiviana* Phil. - FNA, GPF, HDH, IMF, KTZ, UTF, W&W

Δ *Pistia stratiotes* L. - FNA, Snow04b

Δ *Spirodela polyrrhiza* (L.) Schleid. - Dorn01, FNA, HDH, IMF, SFE, UTF, W&W, E/W  
[*Spirodela polyrrhiza* (L.) Schleid.] - GPF, KTZ  
[*Spirodela polyrrhiza* Schleid.] - SFW

*Wolffia borealis* (Engelm.) Landolt - FNA, GPF, SFE, W&W, E  
[*Wolffia borealis* (Engelm. ex Hegelm.) Landolt] -  
[*Wolffia borealis* (Engelm. ex Hegelm.) Landolt ex Landolt & Wildi] - KTZ  
[*Wolffia punctata* Griseb.] - IMF, UTF, W&W<sup>1</sup>, misapp.

*Wolffia columbiana* H. Karst. - FNA, GPF, IMF, KTZ, SFE, W&W, E

### **Araliaceae - ARL**

*Aralia nudicaulis* L. - Dorn01, GPF, HDH, KTZ, SF!, W&W, E/W  
*Aralia racemosa* L. subsp. *bicrenata* (Woot. & Standl.) S. L. Welsh & Atwood - KTZ, SF!,  
UTF, WJ, W&W<sup>1</sup>; Wen98, E/W  
[*Aralia racemosa* L. - GPF, HDH, exp., IMF, SF!, W&W  
[*Aralia racemosa* L. subsp. *racemosa*] - W&W<sup>1</sup>

### **Asclepiadaceae - (see APO)**

### **Asparagaceae - ASG (including Anthericaceae and parts of LIL)**

(Identification sources: \_\_\_\_\_)

*Asparagus officinalis* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Echeandia* (see **ATH**)

*Leucocrinum* (see **ATH**)

*Maianthemum* (see **RUS**)

*Nolina* (see **RUS**)

### **Asteraceae - AST (= Compositae)**

(Identification sources: \_\_\_\_\_)

*Acanthoxanthium* (see **Xanthium**)

Δ *Achillea filipendulina* Lam. - KTZ <UT>

[WJ - Escaped cultivation and persisting in Idaho Springs CO area, also at Evergreen exit in Jefferson Co. on I-70, and scattered along roadsides in Boulder Co.]

*Achillea millefolium* L. var. *lanulosa* (Nutt.) Piper - Dorn01, IMF, E/W

[*Achillea lanulosa* Nutt.] - SF!, W&W  
[*Achillea lanulosa* Nutt. subsp. *alpicola* (Rydb.) D. D. Keck] - HDH  
[*Achillea lanulosa* Nutt. subsp. *lanulosa*] - HDH  
[*Achillea millefolium* L.] - FNA, HDH, SF!, W&W, W&W<sup>1</sup>  
[*Achillea millefolium* L. subsp. *lanulosa* (Nutt.) Piper] - GPF, UTF  
[*Achillea millefolium* L. var. *alpicola* (Rydb.) Garrett] - IMF, KTZ  
[*Achillea millefolium* L. var. *occidentalis* DC.] - KTZ

∴ *Achillea ptarmica* L. - FNA

[NS - uncertain whether persisting in our area outside of cultivation]

Acosta (see **Centaurea**)

*Acourtia nana* (Gray) Reveal & King – KWA, KTZ

[*Perezia nana* Gray] – KTZ, M&H

∴ *Acroptilon repens* (L.) DC. - FNA, KTZ, SF!, W&W

[*Centaurea picris* Pall.] - HDH

[*Centaurea repens* L.] - GPF, HDH, IMF, UTF, E/W

{*Ageratina havanensis* (Kunth) R. M. King & H. Rob.} - KTZ <TX>

{*Eupatorium havanensis* Kunth}

{*Eupatorium texense* (Torr. & A. Gray) Rydb.} - HDH, rep.

*Ageratina herbacea* (A. Gray) R. M. King & H. Rob. - FNA, KTZ, SF!, W&W

[*Eupatorium herbaceum* (A. Gray) Greene] - HDH, IMF, SF!, UTF, E/W

[*Ageratina occidentalis* (Hook.) R. M. King & H. Rob.] - W&W<sup>1</sup>, err.rep.

Agoseris

(Identification sources: \_\_\_\_\_)

*Agoseris aurantiaca* (Hook.) Greene var. *aurantiaca* - FNA, IMF, KTZ, SF!, UTF, E/W

[*Agoseris arizonica* Greene] - HDH

[*Agoseris aurantiaca* (Hook.) Greene] - GPF, HDH, W&W

[*Agoseris rostrata* Rydb.] - HDH

*Agoseris aurantiaca* (Hook.) Greene var. *purpurea* (A. Gray) Cronquist - FNA, HDH, IMF, KTZ, SF!, UTF, E/W

[*Agoseris aurantiaca* (Hook.) Greene] - GPF, W&W

{*Agoseris elata* (Nutt.) Greene} - HDH, KTZ, W&W, misapp.

*Agoseris glauca* (Pursh) Raf. var. *dasycephala* (Torr. & A. Gray) Jeps. - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Agoseris glauca* (Pursh) Raf. var. *glauca* - Dorn01, FNA, IMF, KTZ, UTF, W&W, E/W

[*Agoseris glauca* (Pursh) Raf.] - GPF, SF!

[*Agoseris glauca* (Pursh) Raf. var. *agrestis* (Osterh.) Q. Jones] - UTF

[*Agoseris glauca* (Pursh) Raf. var. *agrestis* (Osterh.) Q. Jones ex Cronquist] - IMF, KTZ, W&W

*Agoseris graminifolia* Greene - KWA, M&H

[*Agoseris aurantiaca* (Hook.) Greene var. *aurantiaca*] - KTZ

*Agoseris heterophylla* (Nutt.) Greene var. *heterophylla* - KTZ, W

[*Agoseris heterophylla* (Nutt.) Greene] - IMF, SFW, UTF, W&W

*Agoseris parviflora* (Nutt.) D. Dietrich - FNA

[*Agoseris caudata* Greene] - FNA

[*Agoseris dens-leonis* Greene] - FNA



[*Agoseris glauca* (Pursh) Raf. var. *laciniata* (D. C. Eaton) Smiley] - HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
[*Agoseris glauca* (Pursh) Raf. var. *laciniata* (D. C. Eaton) Kuntze] - FNA  
[*Agoseris glauca* (Pursh) Raf. var. *parviflora* (Nutt.) Rydb.] - HDH  
[*Agoseris rosea* (Nutt.) D. Dietrich] - FNA  
[*Agoseris taraxacoides* Greene] - FNA  
[*Agoseris tomentosa* Howell] - FNA  
[*Troximon parviflorum* Nutt.] - FNA

*Almutaster pauciflorus* (Nutt.) A. Löve & D. Löve - Dorn01, KTZ, W&W  
[*Aster pauciflorus* Nutt.] - GPF, HDH, IMF, UTF, E/W  
[*Almutaster pauciflorus* (Nutt.) A. Löve] - FNA, SF!

*Amauriopsis dissecta* (A. Gray) Rydb. - FNA  
[*Amauria dissecta* A. Gray] - FNA  
[*Bahia dissecta* (A. Gray) Britton] - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

## Ambrosia

(Identification sources: \_\_\_\_\_)

*Ambrosia acanthicarpa* Hook. - Dorn01, FNA, GPF, IMF, KTZ, SF!, UTF, W&W, E/W  
[*Franseria acanthicarpa* (Hook.) Coville] - FNA, HDH

Δ *Ambrosia artemisiifolia* L. - Dorn01, FNA, GPF, IMF, UTF, E  
[*Ambrosia artemisiifolia* L. var. *elatior* (L.) Desc.] - KTZ, SFE, W&W  
[*Ambrosia elatior* L.] - HDH

*Ambrosia confertiflora* DC. - FNA, GPF, IMF, KTZ, SFE, UTF, W&W, E  
[*Franseria confertiflora* (DC.) Rydb.] - HDH

*Ambrosia grayi* (A. Nelson) Shinnars - FNA, GPF, KTZ, SFE, W&W, E  
[*Franseria tomentosa* A. Gray] - HDH, W&W, non Nutt.  
[*Gaertneria grayi* A. Nelson] - FNA

◆ *Ambrosia linearis* (Rydb.) W. W. Payne - **ENDEMIC** <CO>, FNA, GPF, KTZ, SFE, W&W, E  
[*Franseria linearis* Rydb.] - HDH  
[*Gaertneria linearis* Rydb.] - FNA

*Ambrosia psilostachya* DC. - Dorn01, FNA, GPF, IMF, KTZ, UTF, E/W  
[*Ambrosia coronopifolia* Torr. & A. Gray] - HDH  
[*Ambrosia psilostachya* DC. var. *coronopifolia* (Torr. & A. Gray) Farw.] - SF!, W&W

*Ambrosia tomentosa* Nutt. - Dorn01, FNA, GPF, IMF, KTZ, SF!, UTF, W&W, E/W  
[*Franseria discolor* Nutt.] - HDH

*Ambrosia trifida* L. - HDH, SF!, UTF, W&W  
[*Ambrosia aptera* DC.] - KWA, KTZ, M&H  
[*Ambrosia trifida* var. *aptera* (DC.) Kuntze] - KTZ  
[*Ambrosia trifida* var. *texana* Scheele] - KWA, KTZ  
[*Ambrosia trifida* L. var. *trifida*] - GPF, IMF, KTZ, E/W

*Anaphalis margaritacea* (L.) Benth. & Hook. - Dorn01, FNA, GPF, HDH, IMF, SF!, UTF, W&W, E/W  
[*Anaphalis margaritacea* (L.) Benth.] - KTZ  
[*Anaphalis margaritaceum* (L.) Benth. var. *occidentalis* Greene] - FNA  
[*Anaphalis margaritaceum* (L.) Benth. var. *subalpina* (A. Gray) A. Gray] - FNA  
[*Gnaphalium margaritaceum* L.] - FNA

## Antennaria

(Identification sources: \_\_\_\_\_)

- Antennaria anaphaloides* Rydb. - Dorn01, FNA, GPF, HDH, IMF, KTZ, UTF, E/W  
[*Antennaria pulcherrima* (Hook.) Greene subsp. *anaphaloides* (Rydb.) W. A. Weber] - SF!, W&W  
[*Antennaria pulcherrima* (Hook.) Greene var. *anaphaloides* (Rydb.) G. W. Douglas] - FNA
- Antennaria corymbosa* E. Nelson - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
[*Antennaria acuta* Rydb.] - FNA  
[*Antennaria dioica* (L.) Gaert. var. *corymbosa* (E. E. Nelson) Jepson] - FNA  
[*Antennaria hygrophila* Greene] - FNA  
[*Antennaria nardina* Greene] - FNA
- Antennaria dimorpha* (Nutt.) Torr. & A. Gray - FNA, Dorn01, HDH, KTZ, SFW, W&W, W  
[*Gnaphalium dimorphum* Nutt.] - FNA  
[*Antennaria dimorpha* Nutt. var. *integra* L. F. Henderson] - FNA  
[*Antennaria dimorpha* Nutt. var. *macrocephala* D. C. Eat.] - FNA  
[*Antennaria dimorpha* Nutt. var. *nuttallii* D. C. Eat.] - FNA  
[*Antennaria latisquama* Piper] - FNA  
[*Antennaria macrocephala* (D. C. Eat.) Rydb.] - FNA
- Antennaria howellii* Greene subsp. *howellii* - FNA, KTZ  
[*Antennaria callilepis* Greene] - FNA  
[*Antennaria exima* Greene] - FNA  
[*Antennaria neglecta* var. *canadensis* (Greene) Cronq.] - KTZ  
[*Antennaria neglecta* var. *randii* (Fern.) Cronq.] - KTZ  
[*Antennaria neodioica* subsp. *canadensis* (Greene) Bayer & Stebbins] - KTZ  
[*Antennaria neodioica* var. *randii* (Fern.) Boivin] - KTZ  
[*Antennaria randii* Fern. ] - KTZ  
[*Antennaria spatulata* (Fern.) Fern] - KTZ
- Antennaria howellii* Greene subsp. *neodioica* (Greene) R. J. Bayer - FNA  
[*Antennaria neodioica* Greene] - FNA  
[*Antennaria alsinoides* Greene] - FNA  
[*Antennaria grandis* (Fernald) House] - FNA  
[*Antennaria neglecta* var. *neodioica* (Greene) Cronq.] - FNA  
[*Antennaria neodioica* Greene var. *attenuata* Fernald] - FNA  
[*Antennaria neodioica* Greene var. *chlorophylla* Fernald] - FNA  
[*Antennaria neodioica* Green var. *grandis* Fernald] - FNA  
[*Antennaria neodioica* Green var. *interjecta* Fernald] - FNA  
[*Antennaria neodioica* Green var. *rupicola* (Fernald) Fernald] - FNA  
[*Antennaria obovata* E. E. Nelson] - FNA  
[*Antennaria rupicola* Fernald] - FNA
- Antennaria howellii* Greene subsp. *petaloidea* (Fern.) R. Bayer - FNA, KTZ  
[*Antennaria callilepis* Greene] - KTZ  
[*Antennaria eximia* Greene] - KTZ  
[*Antennaria neglecta* subsp. *howellii* (Greene) Hultén] - KTZ  
[*Antennaria neglecta* var. *howellii* (Greene) Cronq.] - KTZ  
[*Antennaria neodioica* subsp. *howellii* (Greene) Bayer] - KTZ
- Antennaria lanata* (Hook.) Greene - FNA  
[*Antennaria carpatica* (Wahlenberg) Hook. var. *lanata* Hook. ] - FNA
- Antennaria luzuloides* Torr. & A. Gray subsp. *luzuloides* - FNA, KTZ  
[*Antennaria luzuloides* Torr. & A. Gray] - Dorn01, HDH, SF!, UTF, W&W, E/W  
[*Antennaria luzuloides* Torr. & A. Gray var. *luzuloides*] - IMF  
[*Antennaria luzuloides* Torr. & A. Gray var. *oblanceolata* (Rydb.) M. Peck] - FNA  
[*Antennaria oblanceolata* Rydb.] - HDH
- Antennaria marginata* Greene - FNA, IMF, KTZ, SF!, W&W, E/W

- [*Antennaria dioica* (L.) Gaert. var. *marginata* (Greene) Jepson] - FNA  
 [*Antennaria fendleri* Greene] - FNA  
 [*Antennaria marginata* Greene var. *glandulifera* A. Nelson] - FNA  
 [*Antennaria neglecta* Greene] - HDH  
 [*Antennaria peramoena* Greene] - FNA
- Antennaria media* Greene - Dorn01, FNA, HDH, IMF, KTZ, SF!, W&W, E/W**  
 [*Antennaria alpina* (L.) Gaertn.] - HDH, W&W<sup>1</sup>, misapp.  
 [*Antennaria alpina* (L.) Gaertn. var. *media* (Greene) Jeps.] - UTF  
 [*Antennaria austromontana* E. E. Nelson] - FNA  
 [*Antennaria candida* Greene] - FNA  
 [*Antennaria densa* Greene] - FNA  
 [*Antennaria modesta* Greene] - FNA  
 [*Antennaria mucronata* E. E. Nelson] - FNA
- Antennaria microphylla* Rydb. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W**  
 [*Antennaria bracteosa* Rydb.] - FNA  
 [*Antennaria microphylla* Lunell var. *solstitialis* Lunell] - FNA  
 [*Antennaria nitida* Greene] - FNA  
 [*Antennaria rosea* Greene var. *nitida* (Greene) Breitung] - FNA  
 [*Antennaria solstitialis* Lunell] - FNA
- Antennaria neglecta* Greene - Dorn01, FNA, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E**  
 [*Antennaria athabascensis* Greene] - FNA  
 [*Antennaria campestris* Rydb.] - FNA  
 [*Antennaria campestris* Rydb. var. *athabascensis* (Greene) B. Boivin] - FNA  
 [*Antennaria chelonica* Lunell] - FNA  
 [*Antennaria erosa* Greene] - FNA  
 [*Antennaria howellii* Greene] - SFE  
 [*Antennaria howellii* Greene var. *athabascensis* (Greene) B. Boivin] - FNA  
 [*Antennaria howellii* var. *campestris* (Rydb.) B. Boivin] - FNA  
 [*Antennaria howellii* Greene subsp. *neodioica* (Greene) R. J. Bayer] - KTZ, W&W  
 [*Antennaria longifolia* Greene] - FNA  
 [*Antennaria lunellii* Greene] - FNA  
 [*Antennaria nebrascensis* Greene] - FNA  
 [*Antennaria neglecta* Greene var. *athabascensis* (Greene) Roy L. Taylor & MacBryde] - FNA  
 [*Antennaria neglecta* Greene var. *campestris* (Rydb.) Steyermark] - FNA  
 [*Antennaria neglecta* Greene var. *simplex* Peck] - FNA  
 [*Antennaria obovata* E. Nelson] - HDH  
 [*Antennaria parvula* Greene] - FNA  
 [*Antennaria wilsonii* Greene] - FNA
- Antennaria parvifolia* Nutt. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W**  
 [*Antennaria aprica* Greene] - FNA  
 [*Antennaria aprica* Greene var. *aureola* (Lunell) J. W. Moore] - FNA  
 [*Antennaria aprica* Greene var. *minuscula* (B. Boivin) B. Boivin] - FNA  
 [*Antennaria arueola* Lunell] - FNA  
 [*Antennaria dioica* (L.) Gaert. var. *parvifolia* (Nutt.) Torr. & A. Gray] - FNA  
 [*Antennaria latisquamea* Greene] - FNA  
 [*Antennaria minuscula* B. Boivin] - FNA  
 [*Antennaria recurva* Greene] - FNA  
 [*Antennaria rhodantha* Suksdorf] - FNA
- Antennaria pulcherrima* (Hook.) Greene subsp. *pulcherrima* - FNA, W&W**  
 [*Antennaria pulcherrima* (Hook.) Greene] - HDH, exp., IMF, KTZ, UTF
- Antennaria rosea* Greene subsp. *arida* (E. E. Nelson) R. J. Bayer - FNA, KTZ**  
 [*Antennaria arida* E. E. Nelson] - FNA  
 [*Antennaria arida* E. E. Nelson subsp. *viscidula* E. E. Nelson] - FNA  
 [*Antennaria scariosa* E. E. Nelson] - FNA  
 [*Antennaria viscidula* (E. E. Nelson) A. Nelson ex Rydb.] - FNA

*Antennaria rosea* Greene subsp. *confinis* (Greene) R. J. Bayer - FNA, KTZ

- [*Antennaria confinis* Greene] - FNA
- [*Antennaria affinis* Fernald] - FNA
- [*Antennaria albicans* Fernald] - FNA
- [*Antennaria angustifolia* Rydb.] - FNA
- [*Antennaria arida* E. E. Nelson var. *humilis* (Rydb.) E. E. Nelson] - FNA
- [*Antennaria breitungii* A. E. Porsild] - FNA
- [*Antennaria brevistyla* Fernald] - FNA
- [*Antennaria concinna* E. E. Nelson] - FNA
- [*Antennaria dioica* (L.) Gaert. var. *kernensis* Jepson] - FNA
- [*Antennaria elegans* A. E. Porsild] - FNA
- [*Antennaria foliacea* Greene var. *humilis* Rydb.] - FNA
- [*Antennaria incarnata* A. E. Porsild] - FNA
- [*Antennaria laingii* A. E. Porsild] - FNA
- [*Antennaria leontopodioides* Cody] - FNA
- [*Antennaria leuchippii* Porsild] - FNA
- [*Antennaria polyphylla* Greene ex C. F. Baker (nom. nud.)] - FNA
- [*Antennaria rosea* var. *angustifolia* (Rydb.) E. E. Nelson] - FNA
- [*Antennaria sedoides* Greene] - FNA
- [*Antennaria sordida* Greene] - FNA
- [*Antennaria subscosa* Fernald] - FNA
- [*Antennaria tomentella* E. E. Nelson] - FNA

*Antennaria rosea* Greene subsp. *pulvinata* (Greene) R. J. Bayer - FNA

- [*Antennaria tomentella* Greene] - FNA
- [*Antennaria albescens* (E. E. Nelson) Rydb.] - FNA
- [*Antennaria fusca* E. E. Nelson] - FNA
- [*Antennaria gaspensis* (Fernald) Fernald] - FNA
- [*Antennaria howellii* Greene subsp. *gaspensis* (Fernald) Chmielewski] - FNA
- [*Antennaria isolepis* Greene] - FNA
- [*Antennaria maculata* Greene] - FNA
- [*Antennaria manicouagana* P. Landry] - FNA
- [*Antennaria media* Greene subsp. *fusca* (E. E. Nelson) Chmielewski] - FNA
- [*Antennaria neglecta* Greene var. *gaspensis* Fernald] - FNA
- [*Antennaria neodioica* Greene var. *gaspensis* Fernald] - FNA
- [*Antennaria peasei* Fernald] - FNA
- [*Antennaria pulvinata* Greene subsp. *albescens* E. E. Nelson] - FNA
- [*Antennaria sansonii* Greene] - FNA
- [*Antennaria straminea* Fernald] - FNA

*Antennaria rosea* Greene subsp. *rosea* - FNA

- [*Antennaria acuminata* Greene] - FNA
- [*Antennaria alborosea* A. E. Porsild] - FNA
- [*Antennaria chlorantha* Greene] - FNA
- [*Antennaria formosa* Greene] - FNA
- [*Antennaria hendersonii* Piper] - FNA
- [*Antennaria imbricata* E. E. Nelson] - FNA
- [*Antennaria lanulosa* Greene] - FNA
- [*Antennaria neodioica* Greene var. *chlorantha* (Greene) B. Boivin] - FNA
- [*Antennaria oxyphylla* Greene] - FNA
- [*Antennaria rosea* subsp. *divaricata* E. E. Nelson] - FNA
- [*Antennaria speciosa* E. E. Nelson] - FNA

*Antennaria rosulata* Rydb. - FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

- [*Antennaria sierrae-blancae* Rydb.] - FNA

*Antennaria umbrinella* Rydb. - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

- [*Antennaria aizoides* Greene] - FNA
- [*Antennaria alpina* L.] - HDH, W&W<sup>1</sup>, misapp.

[*Antennaria flavescens* Rydb.] - FNA  
[*Antennaria reflexa* E. Nelson] - FNA, HDH

- ∴ *Anthemis arvensis* L. - Dorn01, FNA, HDH, KTZ, SF!, W&W, E/W  
[*Anthemis arvensis* L. var. *agrestis* (Wallr.) DC. - GPF
- ∴ *Anthemis cotula* L. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W
- ∴ *Anthemis tinctoria* L. - Dorn01, GPF, IMF, KTZ, SFW, UTF, W&W<sup>1</sup>, W  
[*Cota tinctoria* (L.) J. Gay ex Gussone] - FNA
  
- ∴ *Arctium lappa* L. - Dorn01, FNA, GPF, IMF, KTZ, SF!, UTF, W&W, E/W
- ∴ *Arctium minus* Bernh. - Dorn01, FNA, GPF, KTZ, E/W  
[*Arctium minus* (Hill) Bernh.] - HDH, IMF, SF!, UTF, W&W
- ∴ *Arctium tomentosum* Mill. - FNA, GPF, KTZ, SFE, W&W, E

*Arida parviflora* (A. Gray) D. R. Morgan & R. L. Hartman - FNA  
[*Machaeranthera parviflora* A. Gray] - FNA

## Arnica

(Identification sources: \_\_\_\_\_)

*Arnica angustifolia* Vahl subsp. *tomentosa* (Macoun) G. W. Douglas & G. Ruyle-Douglas -  
KTZ, W

[*Arnica angustifolia* Vahl var. *tomentosa* (Macoun) Dorn] - Dorn01  
[*Arnica alpina* (L.) Olin subsp. *tomentosa* (Macoun) Maguire] - SFW  
[*Arnica alpina* (L.) Olin & Ladau subsp. *tomentosa* (Macoun) Maguire] - W&W

*Arnica chamissonis* Less. - FNA

[*Arnica chamissonis* Less. var. *andina* (Nutt.) Ediger & T. M. Barkley] - UTF  
[*Arnica chamissonis* Less. subsp. *foliosa* (Nutt.) Maguire] - HDH, SF!, W&W  
[*Arnica chamissonis* Less. subsp. *foliosa* (Nutt.) Maguire var. *andina* (Nutt.) Ediger & T. M. Barkley] - KTZ  
[*Arnica chamissonis* Less. subsp. *foliosa* (Nutt.) Maguire var. *foliosa*] - IMF  
[*Arnica chamissonis* Less. var. *foliosa* (Nutt.) Maguire] - Dorn01, UTF, E/W

*Arnica cordifolia* Hook. - Dorn01, FNA, GPF, HDH, KTZ, SF!, UTF, W&W, E/W

[*Arnica cordifolia* Hook. subsp. *cordifolia*] - HDH  
[*Arnica cordifolia* Hook. var. *cordifolia*] - IMF  
[*Arnica paniculata* A. Nels.] - HDH, exp.

*Arnica fulgens* Pursh - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Arnica gracilis* Rydb. - FNA, HDH, exp., KTZ, RMC

[*Arnica latifolia* Bong. var. *gracilis* (Rydb.) Cronquist] - IMF, UTF

*Arnica lanceolata* Nutt. subsp. *prima* (Maguire) Strother & S. J. Wolf - FNA

[*Arnica amplexicaulis* Nutt.] - Dorn01  
[*Arnica amplexicaulis* subsp. *genuina* Maguire] - KTZ  
[*Arnica amplexicaulis* subsp. *prima* (Maguire) Maguire] - KTZ  
[*Arnica amplexicaulis* var. *piperi* St. John & Warren] - KTZ  
[*Arnica amplexicaulis* var. *prima* (Maguire) Boivin] - KTZ  
[*Arnica amplexifolia* Rydb.] - KTZ  
[*Arnica mollis* var. *aspera* (Greene) Boivin] - KTZ

*Arnica latifolia* Bong. - FNA, HDH, KTZ, SF!, W&W, E/W

[*Arnica latifolia* Bong. var. *latifolia*] - Dorn01, IMF, UTF

*Arnica longifolia* D. C. Eaton - Dorn01, FNA, KTZ, SF!, W&W, E/W

[*Arnica longifolia* D. C. Eaton subsp. *longifolia*] - HDH, IMF

[*Arnica longifolia* D. C. Eaton var. *longifolia*] - UTF  
*Arnica mollis* Hook. - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Arnica ovata* Greene - FNA  
 [*Arnica diversifolia* Greene] - KTZ <UT>, UTF <CO>  
 [*Arnica latifolia* Bongard var. *viscidula* A. Gray] - FNA  
*Arnica parryi* A. Gray - Dorn01, FNA, SF!, UTF, W&W  
 [*Arnica parryi* A. Gray var. *parryi*] - IMF, E/W  
 [*Arnica parryi* A. Gray subsp. *parryi*] - HDH, KTZ  
*Arnica rydbergii* Greene - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Arnica sororia* Greene - FNA, KTZ, Dorn01  
 [*Arnica fulgens* var. *sororia* (Greene) G.W. Douglas & G. Ruyle-Douglas] - KTZ

## Artemisia

(Identification sources: \_\_\_\_\_)

∴ *Artemisia abrotanum* L. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 ∴ *Artemisia absinthium* L. - FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 ∴ *Artemisia annua* L. - FNA, GPF, IMF, KTZ, SFE, UTF, W&W, E  
 [*Artemisia chamomilla* C. Winkler] - FNA  
*Artemisia arbuscula* Nutt. var. *arbuscula* - FNA, W  
 [*Artemisia arbuscula* Nutt.] - IMF, UTF  
 [*Artemisia arbuscula* Nutt. subsp. *arbuscula*] - KTZ  
 [*Artemisia tridentata* Nutt. subsp. *arbuscula* (Nutt.) H. M. Hall & Clem.] - HDH  
 [*Seriphidium arbusculum* (Nutt.) W. A. Weber] - SFW  
 [*Seriphidium arbusculum* (Nutt.) W. A. Weber subsp. *arbusculum*] - W&W  
*Artemisia arbuscula* Nutt. var. *longiloba* (Osterh.) Dorn - E, FNA  
 [*Artemisia arbuscula* Nutt.] - IMF  
 [*Artemisia arbuscula* Nutt. subsp. *longiloba* (Osterh.) L. Shultz] - KTZ  
 [*Artemisia longiloba* (Osterh.) Beetle] - FNA, UTF  
 [*Artemisia spiciformis* Osterh. var. *longiloba* Osterh.] - FNA  
 [*Seriphidium arbusculum* (Nutt.) W. A. Weber subsp. *longilobum* (Osterh.) W. A. Weber] - FNA, SFE, W&W  
 Δ *Artemisia biennis* Willd. var. *biennis* - KTZ, E/W  
 [*Artemisia biennis* Willd.] - FNA, GPF, HDH, IMF, SF!, UTF, W&W  
 ♦ *Artemisia biennis* Willd. var. *diffusa* Dorn - **ENDEMIC** <WY>, Dorn01, KTZ  
*Artemisia bigelovii* A. Gray - FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 [*Artemisia petrophila* Wootton & Standl.] - FNA  
 [*Seriphidium bigelovii* (A. Gray) K. Bremer & Humphries] - FNA  
*Artemisia borealis* Pallas subsp. *borealis* - FNA  
 [*Artemisia campestris* L. subsp. *borealis* (Pallas) H. M. Hall & Clements] - FNA  
 [*Artemisia campestris* L. var. *spithamaea* Pursh) M. Peck] - FNA  
 [*Artemisia campestris* L. var. *strutziae* S. L. Welsh] - FNA  
 [*Artemisia purshii* Besser] - FNA  
 [*Artemisia spithamaea* Pursh] - FNA  
 [*Oligosporus groenlandicus* (Hornemann) A. Löve & D. Löve] - FNA  
*Artemisia campestris* L. var. *caudata* (Michx.) Palmer & Steyererm. - Dorn01, KTZ, E  
 [*Artemisia campestris* L. subsp. *caudata* (Michx.) H. M. Hall & Clem.] - FNA, GPF, KTZ  
 [*Artemisia caudatus* Michx.] - HDH  
 [*Artemisia forwoodii* A. Gray] - FNA  
 [*Oligosporus caudatus* (Michx.) Poljakov] - SFE, W&W  
*Artemisia campestris* L. var. *pacifica* (Nutt.) M. Peck - E/W  
 [*Artemisia campestris* L. subsp. *borealis* (Pall.) H. M. Hall & Clem. var. *scouleriana* (Benth.) Cronquist] - UTF

- [*Artemisia campestris* L. subsp. *borealis* (Pall.) H. M. Hall & Clem. var. *scouleriana* (Hook.) Cronquist] - KTZ  
 [*Artemisia campestris* L. subsp. *pacificus* (Nutt.) H. M. Hall & Clem.] - FNA  
 [*Artemisia campestris* var. *petiolata* S. L. Welsh] - FNA  
 [*Artemisia campestris* L. var. *scouleriana* (Besser) Cronquist] - IMF, RMC  
 [*Artemisia desertorum* Sprengel var. *scouleriana* (Besser) Cronquist] - FNA  
 [*Artemisia pacifica* Nutt.] - FNA, HDH  
 [*Oligosporus campestris* (L.) Cassini subsp. *pacificus*(Nutt. ) W. A. Weber] - FNA  
 [*Oligosporus pacificus* (Nutt.) Poljakov] - FNA, SF!, W&W
- Artemisia campestris* L. var. *purshii* (Hook.) Cronquist - E/W**  
 [*Artemisia borealis* Pall.] - HDH, rep.  
 [*Artemisia campestris* L. subsp. *borealis* (Pall.) var. *borealis* (Pall.) H. M. Hall & Clem.] - KTZ  
 [*Artemisia campestris* L. subsp. *borealis* Pall. var. *purshii* (Hook.) Cronquist] - IMF  
 [*Artemisia campestris* L. subsp. *borealis* (Pall.) H. M. Hall & Clem. var. *purshii* (Hook.) Cronquist]  
 [*Artemisia spithamea* Pursh] - HDH  
 [*Oligosporus groenlandicus* (Hornem.) A. Löve & D. Löve] - SF!, W&W
- Artemisia cana* Pursh var. *cana* - Dorn01, E/W**  
 [*Artemisia cana* Pursh] - GPF, HDH, IMF  
 [*Artemisia cana* Pursh subsp. *cana*] - FNA, KTZ  
 [*Artemisia columbiensis* Nutt.] - FNA  
 [*Seriphidium canum* (Pursh) W. A. Weber] - SF!, W&W
- Artemisia cana* Pursh var. *viscidula* Osterh. - Dorn01, UTF, E/W**  
 [*Artemisia cana* Pursh] - GPF, HDH, IMF  
 [*Artemisia cana* Pursh subsp. *viscidula* (Osterh.) Beetle] - FNA, KTZ  
 [*Artemisia viscidula* (Osterh.) Rydb.] - FNA  
 [*Seriphidium canum* (Pursh) W. A. Weber] - SF!, W&W
- Artemisia carruthii* A. W. Wood ex Carruth - FNA, GPF, HDH, IMF, KTZ, UTF, W&W, E**  
 [*Artemisia bakeri* Greene] - FNA  
 [*Artemisia carruthii* A. W. Wood] - SFE  
 [*Artemisia coloradensis* Osterh.] - FNA  
 [*Artemisia kansana* Britt.] - FNA  
 [*Artemisia vulgaris* L. subsp. *wrightii* (A. Gray) H. M. Hall & Clements] - FNA  
 [*Artemisia wrightii* A. Gray] - FNA
- Artemisia dracunculus* L. - Dorn01, FNA, GPF, IMF, KTZ, E/W**  
 [*Artemisia aromatica* A. Nelson] - FNA  
 [*Artemisia dracunculina* S. Watson] - FNA  
 [*Artemisia dracunculoides* Pursh] - FNA  
 [*Artemisia dracunculoides* Pursh subsp. *dracunculina* (S. Watson) H.M. Hall & Clements] - FNA  
 [*Artemisia dracunculus* L. subsp. *dracunculus*] - HDH  
 [*Artemisia dracunculus* L. var. *dracunculus*]  
 [*Artemisia dracunculus* L. subsp. *glauca* (Pall.) H. M. Hall & Clem.] - HDH  
 [*Artemisia dracunculus* L. subsp. *glauca* (Pall. ex Willd.) H. M. Hall & Clem.]  
 [*Artemisia dracunculus* L. var. *glauca* (Pall.) Besser] - UTF  
 [*Oligosporus dracunculus* (L.) Poljakov subsp. *dracunculinus* (S. Watson) W. A. Weber] - SFE, W&W  
 [*Oligosporus dracunculus* (L.) Poljakov subsp. *dracunculus*] - W&W<sup>1</sup>, Eurasian.  
 [*Oligosporus dracunculus* (L.) Poljakov subsp. *glaucus* (Pall.) A. Löve & D. Löve]] - SF!, W&W<sup>1</sup>  
 [*Oligosporus dracunculus* (L.) Poljakov subsp. *glaucus* (Pall. ex Willd.) A. Löve & D. Löve] - W&W  
 [*Artemisia glauca* Pallas ex Willd.] - FNA  
 [*Artemisia glauca* Pallas ex Willd. var. *megacephala* B. Boivin] - FNA
- Artemisia filifolia* Torr. - Dorn01, GPF, HDH, IMF, KTZ, UTF, E/W**  
 [*Artemisia plattensis* Nutt.] - FNA  
 [*Oligosporus filifolius* (Torr.) Poljakov] - SF!, W&W
- Artemisia franserioides* Greene - FNA, HDH, KTZ, SF!, W&W, E/W**
- Artemisia frigida* Willd. - FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W**  
 [*Artemisia frigida* Willd. var. *gmeliniana* (Besser) Besser] - FNA  
 [*Artemisia frigida* Willd. var. *williamsiae* S. L. Welsh] - FNA

*Artemisia laciniata* Willd. subsp. *parryi* (A. Gray) W. A. Weber - FNA  
 [Artemisia *parryi* A. Gray] - FNA  
 [Artemisia *saxicola* Rydb. var. *parryi* A. Nelson] - FNA  
*Artemisia longifolia* Nutt. - Dorn01, FNA, GPF, HDH rep., KTZ, SFE, W&W, E  
 [Artemisia *falcata* Rydb.] - FNA  
 [Artemisia *ludoviciana* Nutt. var. *intergifolia* A. Nelson] - FNA  
 [Artemisia *natronensis* A. Nelson] - FNA  
 [Artemisia *vulgaris* L. subsp. *longifolia* (Nutt.) H.M. Hall & Clements] - FNA  
 [Artemisia *vulgaris* L. var. *longifolia* (Nutt.) M. Peck] - FNA  
*Artemisia ludoviciana* Nutt. var. *albula* (Wooton) Shinnery - IMF, UTF, W  
 [Artemisia *ludoviciana* Nutt. subsp. *albula* (Wooton) D. D. Keck] - FNA, HDH, KTZ, SFW, W&W  
 [Artemisia *microcephala* Wooton] - FNA  
*Artemisia ludoviciana* Nutt. var. *incompta* (Nutt.) Cronquist - Dorn01, IMF, UTF, E/W  
 [Artemisia *arachnoidea* E. Sheldon] - FNA  
 [Artemisia *atomifera* Piper] - FNA  
 [Artemisia *incompta* Nutt.] - FNA  
 [Artemisia *lindleyana* Besser] - FNA  
 [Artemisia *ludoviciana* Nutt. subsp. *incompta* (Nutt.) D. D. Keck] - FNA, HDH, KTZ, SF!, W&W  
 [Artemisia *prescottiana* Besser] - FNA  
 [Artemisia *vulgaris* L. var. *incompta* (Nutt.) H. St. John] - FNA  
*Artemisia ludoviciana* Nutt. var. *latiloba* Nutt. - Dorn01  
 [Artemisia *candicans* Rydb.] - KTZ  
 [Artemisia *ludoviciana* var. *latiloba* Nutt.] - KTZ  
*Artemisia ludoviciana* Nutt. var. *ludoviciana* - Dorn01, GPF, IMF, UTF, E/W  
 [Artemisia *ludoviciana* Nutt. subsp. *ludoviciana*] - HDH, KTZ, SF!, W&W  
*Artemisia ludoviciana* Nutt. var. *mexicana* (Willd. ex Spreng.) A. Gray - IMF, E/W  
 [Artemisia *ludoviciana* Nutt. subsp. *mexicana* (Willd.) D. D. Keck] - FNA, HDH, SF!, W&W  
 [Artemisia *ludoviciana* Nutt. subsp. *mexicana* (Willd. ex Spreng.) D. D. Keck] - KTZ  
 [Artemisia *ludoviciana* Nutt. var. *mexicana* (Willd.) Fernald] - GPF, UTF  
 [Artemisia *mexicana* Willd. ex Spreng.] - FNA  
 [Artemisia *neomexicana* Green ex Rydb.] - FNA  
 [Artemisia *revoluta* Rydb.] - FNA  
*Artemisia michauxiana* Besser - Dorn01, FNA, HDH rep., IMF, KTZ, SF!, UTF, W&W, E/W  
*Artemisia norvegica* Fr. var. *saxatilis* (Besser) Jeps. - IMF, E/W  
 [Artemisia *arctica* Less.] - FNA  
 [Artemisia *arctica* Less. subsp. *arctica*] - FNA, KTZ  
 [Artemisia *arctica* Less. subsp. *comata* (Rydb.) Hultén] - FNA  
 [Artemisia *arctica* Less. subsp. *ehrendorferi* Korobkov] - FNA  
 [Artemisia *arctica* Less. subsp. *saxicola* (Rydb.) Hultén] - SF!, W&W  
 [Artemisia *chamissoniana* Besser var. *saxatilis* Besser in W. J. Hook.] - FNA  
 [Artemisia *comata* Rydb.] - FNA  
 [Artemisia *norvegica* Fr. subsp. *saxatilis* (Besser) H. M. Hall & Clem.] - HDH  
 [Artemisia *norvegica* Fr. var. *paceetorum* S. L. Welsh & Goodrich] - FNA, UTF  
*Artemisia nova* A. Nelson - FNA, IMF, KTZ, UTF, W  
 [Artemisia *arbuscula* Nutt. subsp. *nova* (A. Nelson) G. H. Ward] - FNA  
 [Artemisia *arbuscula* Nutt. var. *nova* (A. Nelson) Cronquist] - FNA  
 [Artemisia *tridentata* Nutt. subsp. *nova* (A. Nelson) H. M. Hall & Clem.] - HDH  
 [Artemisia *tridentata* Nutt. var. *nova* (A. Nelson) Cronquist] - FNA  
 [Seriphidium *novum* A. Nelson] - SFW  
 [Seriphidium *novum* (A. Nelson) W. A. Weber] - W&W  
*Artemisia parryi* A. Gray - HDH, KTZ, UTF, E/W  
 [Artemisia *laciniata* Willd. subsp. *parryi* (A. Gray) W. A. Weber] - SF!, W&W  
*Artemisia pattersonii* A. Gray - FNA, HDH, KTZ, SF!, W&W, E/W  
 [Artemisia *monocephala* (A. Gray) A. Heller] - FNA



- [*Artemisia scopulorum* A. Gray var. *monocephala* A. Gray] - FNA  
*Artemisia pedatifida* Nutt. - Dorn01, FNA, GPF, HDH, KTZ, E/W  
 [Oligosporus *pedatifidus* (Nutt.) Poljakov] - SF!, W&W  
 ◆ *Artemisia porteri* Cronq. - **ENDEMIC** <WY>, Dorn01, FNA, KTZ  
*Artemisia pygmaea* A. Gray - FNA, IMF, KTZ, UTF, W  
 [Seriphidium *pygmaeum* (A. Gray) W. A. Weber] - FNA, SFW, W&W  
*Artemisia scopulorum* A. Gray - FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Artemisia spiciformis* Osterh. - FNA, IMF, UTF, E/W  
 [Artemisia *rothrockii*] - HDH  
 [Artemisia X *spiciformis* Osterh.] - RMC  
 [Artemisia *tridentata* Nutt. subsp. *rothrockii* (A. Gray) H. M. Hall & Clem.] - HDH  
 [Artemisia *tridentata* Nutt. subsp. *spiciformis* (Osterh.) Kartesz & Gandhi] - FNA, KTZ  
 [Seriphidium *spiciforme* (Osterh.) Y. R. Ling] - FNA  
 [Seriphidium *rothrockii* (A. Gray) W. A. Weber] - W&W, err. rep.  
 [Seriphidium *vaseyanum* (Rydb.) W. A. Weber] - SF!, W&W  
*Artemisia spinescens* D. C. Eaton - Dorn01, HDH, IMF, UTF, W  
 [Picrothamnus *desertorum* Nutt.] - FNA, KTZ, SFW, W&W  
*Artemisia tridentata* Nutt. var. *tridentata* - IMF, UTF, E/W  
 [Artemisia *angustifolia* (A. Gray) Rydb.] - FNA  
 [Artemisia *tridentata* Nutt. subsp. *tridentata*] - FNA, HDH, KTZ  
 [Artemisia *tridentata* Nutt. subsp. *xericensis* Winward ex R. Rosentreter & R. G. Kelsey] - FNA  
 [Seriphidium *tridentatum* (Nutt.) W. A. Weber] - SF!  
 [Seriphidium *tridentatum* (Nutt.) W. A. Weber subsp. *tridentatum*] - W&W  
*Artemisia tridentata* Nutt. var. *vaseyana* (Rydb.) B. Boivin - GPF, IMF, UTF, E/W  
 [Artemisia *tridentata* Nutt. subsp. *vaseyana* (Rydb.) Beetle] - FNA, KTZ  
 [Artemisia *tridentata* Nutt. var. *pauciflora* Winward & Goodrich] - FNA, UTF  
 [Artemisia *tridentata* Nutt. subsp. *vaseyanum* (Rydb.) W. A. Weber]  
 [Artemisia *vaseyana* Rydb.] - FNA  
 [Seriphidium *vaseyanum* (Rydb.) W. A. Weber] - FNA, W&W, SF!  
*Artemisia tridentata* Nutt. var. *wyomingensis* (Beetle & Young) S. L. Welsh - IMF, UTF,  
 W  
 [Artemisia *tridentata* Nutt. subsp. *wyomingensis* Beetle & Young] - FNA, KTZ  
 [Seriphidium *tridentatum* (Nutt.) W. A. Weber subsp. *wyomingense* (Beetle & Young) W. A. Weber] - W&W  
 [Seriphidium *vaseyanum* (Rydb.) W. A. Weber subsp. *wyomingensis* (Beetle & Young) W. A. Weber] - SFW  
 ◆ *Artemisia tripartita* Rydb. var. *rupicola* (Beetle) Dorn - **ENDEMIC** <WY>, Dorn01, FNA  
 [Artemisia *tripartita* Rydb. subsp. *rupicola* Beetle] - KTZ  
*Artemisia tripartita* Rydb. var. *tripartita* - Dorn01, E, FNA  
 [Artemisia *tripartita* Rydb.] - HDH, IMF, UTF  
 [Artemisia *tripartita* Rydb. subsp. *tripartita*] - KTZ  
 [Seriphidium *tripartitum* (Rydb.) W. A. Weber] - SFE, W&W

Askellia (see **Crepis**)

Aster (see also **Almutaster, Chaetopappa, Diplactis, Eucephalus, Eurybia, Herrickia, Machaeranthera, Solidago, Symphyotrichum, Xanthisma, Xylorhiza**)  
 [NS - Aster s.l. has been segregated in FNA Vol. 20 (see also Semple01, Noyes99)]

- {*Aster praealtus* Poir.} - HDH, W&W, err. rep.  
 {*Aster praealtus* Poir. var. *praealtus*} - GPF  
 {*Symphyotrichum praealtum* (Poir.) G. L. Nesom} - W&W<sup>1</sup>, err. rep.  
 {*Symphyotrichum praealtum* (Poir.) G. L. Nesom var. *praealtum*} - KTZ <NE, OK>  
 {*Aster sibiricus* L. var. *meritus* (A. Nels.) Raup} - WY checklist

{*Aster behringensis* Gandog.} - KTZ  
{*Aster meritus* A. Nels.} - KTZ  
{*Aster richardsonii* Spreng.} - KTZ  
{*Aster sibiricus* subsp. *richardsonii* (Spreng. A. & D. Löve)} - KTZ  
{*Aster sibiricus* var. *giganteus* (Hook.) Gray} - KTZ  
{*Aster sibiricus* var. *meritus* (A. Nels.) Raup} - KTZ  
{*Eurybia merita* (A. Nels.) Nesom} - FNA, KTZ  
{*Eurybia sibirica* (L.) Nesom} - KTZ  
{*Eurybia sibirica* (L.) subsp. *richardsonii*} - KTZ  
{*Eurybia sibirica* (L.) subsp. *giganteus*} - KTZ  
{*Eurybia sibirica* (L.) var. *meritus* (A. Nels.)} - KTZ

{*Baccharis emoryi* A. Gray}- HDH, KTZ <AZ, NM, UT>, UTF, W&W, applies to

*Baccharis salicina*

{*Baccharis glutinosa* Pers.} - GPF, HDH rep., IMF, UTF, W&W, applies to *B. salicina*

{*Baccharis salicifolia* (Ruiz & Pav.) Pres.} - KTZ

*Baccharis salicina* Torr. & A. Gray - FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

[*Baccharis emoryi* A. Gray] - FNA

*Baccharis salicifolia* (Ruiz & Pav.) Pers. - FNA

[*Baccharis glutinosa* Pers.] - FNA

[*Baccharis viminea* DC.] - FNA

[*Baccharis viminea* DC. var. *atwoodii* S. L. Welsh] - FNA

[*Molina salicifolia* Ruiz & Pav.] - FNA

*Baccharis wrightii* A. Gray - FNA, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E

**Bahia (see *Amauriopsis*, *Picradeniopsis*, *Platyschuhria*, *Schkuhria*)**

**Balsamita (see *Chrysanthemum*)**

*Balsamorhiza hispidula* Sharp - Dorn01, FNA, HDH, SFW, W&W, W

[*Balsamorhiza hookeri* Nutt. var. *hispidula* (Sharp) Cronquist] - IMF, UTF

[*Balsamorhiza hookeri* (Hook.) Nutt. var. *hispidula* (Sharp) Cronquist] - KTZ

*Balsamorhiza incana* Nutt. - FNA, Dorn01, KTZ

*Balsamorhiza sagittata* (Pursh) Nutt. - Dorn01, FNA, GPF, HDH, KTZ, SF!, UTF, W&W, E/W

[*Buphthalmum sagittatum* Pursh] - FNA

*Balsamorhiza x tomentosa* Rydb. - WY checklist, KTZ

*Berlandiera lyrata* Benth. - FNA, GPF, HDH, KTZ, SFE, W&W, E

[*Berlandiera incisa* Torr. & A. Gray] - FNA

**Bidens**

(Identification sources: \_\_\_\_\_)

*Bidens bigelovii* A. Gray - FNA, GPF, HDH, IMF, KTZ, SFE, W&W, E

{*Bidens bipinnata* L.} - HDH, doubtful, KTZ, W&W

∴ *Bidens cernua* L. - FNA, Dorn01, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E

*Bidens frondosa* L. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, E/W

[*Bidens frondosa* L. var. *frondosa*] - W&W

*Bidens heterosperma* A. Gray - FNA, HDH, KTZ, W&W

*Bidens laevis* (L.) Britton, Sterns, & Poggenb. - FNA, IMF, KTZ, W&W<sup>1</sup>  
 [Bidens laevis Britton, Sterns, & Poggenb.] - HDH  
*Bidens polylepis* S. F. Blake - FNA, HDH, W&W  
 [Bidens aristosa (Michx.) Britton] - KTZ  
*Bidens tenuisecta* A. Gray - FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 ∴ *Bidens tripartita* L. - FNA, KTZ, UTF  
 [Bidens comosa (A. Gray) Wiegand] - Dorn01, GPF, HDH, IMF, SFE, UTF, W&W, E  
*Bidens vulgata* Greene - FNA, Dorn01, GPF, HDH, IMF, KTZ  
 [Bidens frondosa L. var. puberula Wiegand] - W&W

Bolophyta (see **Parthenium**)

Brachyactis (see **Aster**)

Breea (see **Cirsium**)

Brickellia

(Identification sources: \_\_\_\_\_)

*Brickellia atractyloides* A. Gray var. *atractyloides* - FNA  
*Brickellia brachyphylla* (A. Gray) A. Gray - FNA, GPF, KTZ, E/W  
 [Brickellia brachyphylla A. Gray] - HDH, SF!, W&W  
*Brickellia californica* (Torr. & A. Gray) A. Gray - FNA, GPF, HDH, IMF, SF!, UTF, W&W  
 [Brickellia californica (Torr. & A. Gray) A. Gray var. *californica*] - KTZ, E/W  
 [Bulbostylis californica Torr. & A. Gray] - FNA  
*Brickellia eupatorioides* (L.) Shinnery var. *chlorolepis* (Wootton & Standl.) B. L. Turner - FNA, KTZ, E/W  
 [Brickellia rosmarinifolia (Ventenat) W. A. Weber subsp. *chlorolepis* (Wootton & Standl.) W. A. Weber] - SF!, W&W  
 [Kuhnia *chlorolepis* Wootton & Standl.] - GPF, HDH, UTF  
 [Kuhnia *eupatorioides* L. var. *chlorolepis* (Wootton & Standl.) Cronquist] - IMF  
*Brickellia eupatorioides* (L.) Shinnery var. *corymbulosa* (Torr. & A. Gray) Shinnery - Dorn01, FNA, KTZ, E  
 [Brickellia *eupatorioides* (L.) Shinnery] - SFE, W&W  
 [Kuhnia *eupatorioides* L. var. *corymbulosa* Torr. & A. Gray] - GPF, HDH  
*Brickellia grandiflora* (Hook.) Nutt.] - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W  
 [Brickellia *grandiflora* (Hook.) Nutt. var. *grandiflora*] - E/W  
*Brickellia longifolia* S. Watson var. *longifolia* - FNA, IMF, KTZ  
 [Brickellia *longifolia* S. Watson] - SFW, UTF, W&W, W  
*Brickellia microphylla* (Nutt.) A. Gray var. *microphylla* - FNA  
 [Brickellia *microphylla* (Nutt.) A. Gray var. *watsonii* (B. L. Rob.) S. L. Welsh] - FNA  
 [Brickellia *watsonii* B. L. Rob.] - FNA  
*Brickellia microphylla* (Nutt.) A. Gray var. *scabra* A. Gray - Dorn01, IMF, KTZ, UTF, W  
 [Brickellia *microphylla* (Nutt.) A. Gray subsp. *scabra* (A. Gray) W. A. Weber] - SFW, W&W  
 [Brickellia *scabra* (A. Gray) A. Nelson ex B. L. Rob.] - HDH  
*Brickellia oblongifolia* Nutt. var. *linifolia* (D. C. Eaton) B. L. Rob. - FNA, HDH, IMF, KTZ, UTF, W  
 [Brickellia *linifolia* D. C. Eaton in S. Wats.] - FNA  
 [Brickellia *oblongifolia* Nutt.] - SFW, W&W

*Brickelliastrum fendleri* (A. Gray) King & H. Robins. - FNA  
[*Brickellia fendleri* A. Gray] - FNA

- ∴ *Carduus acanthoides* L. - Dorn01, GPF, IMF, KTZ, SF!, W&W, E/W  
[*Carduus acanthoides* L. subsp. *acanthoides*] - FNA
- ∴ *Carduus nutans* L. - Dorn01, HDH rep., IMF, UTF, E/W  
[*Carduus nutans* L. subsp. *leiophyllus* (Petrovic) Stoj. & Stefani] - GPF  
[*Carduus nutans* L. subsp. *macrocephalus* (Desf.) Nyman] - GPF  
[*Carduus nutans* L. subsp. *macrolepis* (Peterman) Kazmi] - KTZ, SF!, W&W
- ∴ *Carthamus tinctorius* L. - Dorn01, FNA, GPF, HDH, IMF, KTZ, UTF, W&W  
[No vouchers; evidently only in cultivation]

## Centaurea

(Identification sources: \_\_\_\_\_)

- ∴ {*Centaurea americana* Nutt.} - GPF, HDH, exp., KTZ <AZ, KS, NM, OK>
- ∴ *Centaurea cyanus* L. - Dorn01, FNA, GPF, HDH, IMF, KTZ, UTF, E/W  
[WJ - used in revegetation but does not appear to persist]  
[*Leucacantha cyanus* (L.) Nieuwl. & Lunell] - SF!, W&W
- ∴ *Centaurea diffusa* Lam. - Dorn01, FNA, GPF, IMF, KTZ, UTF, E/W  
[*Acosta diffusa* (Lam.) Soják] - SF!, W&W
- ∴ *Centaurea iberica* Trev. ex Spreng. - FNA, KTZ
- ∴ *Centaurea jacea* L. - IMF, UTF, KHD (see note)  
[NS - KHD reports *Centaurea pratensis* as a rare weed in Colorado, which FNA (19: 186) treats as “collective name” for intermediates between *C. jacea* and *C. nigra*]  
[*Centaurea eriophora* L.] - KTZ, E/W  
[*Jacea pratensis* Lam.] - SF!, W&W
- ∴ *Centaurea macrocephala* Puschk. ex Willd. - FNA, KTZ, E  
[NS - WJ indicates doubtful outside of cultivation in CO, but FNA lists as present for CO]  
[*Grossheimia macrocephala* (Mussin-Puschkin) Sosnowsky & Takhtajan] - SFE  
[*Grossheimia macrocephala* (Mussin-Puschkin ex Willd.) Sosnowsky & Takhtajan] - W&W<sup>1</sup>
- ∴ *Centaurea scabiosa* L. - Dorn01
- ∴ *Centaurea stoebe* L. subsp. *micranthos* (S. G. Gmelin ex Gugler) Hayek - FNA  
[*Acosta maculosa* (L.) Holub] - SF!, W&W  
[*Centaurea biebersteinii* DC.] - FNA, KTZ  
[*Centaurea maculosa* Lam. - Dorn01, GPF, RMC, IMF, UTF, E/W] - FNA
- ∴ *Centaurea solstitialis* L. - FNA, GPF, HDH, IMF, KTZ, UTF  
[*Leucantha solstitialis* (L.) A. Löve & D. Löve] - W&W
- ∴ *Centaurea virgata* Lam. subsp. *squarrosa* (Boissier) Gugler - FNA  
[*Centaurea virgata* Lam. var. *squarrosa* Boissier] - FNA  
[*Centaurea squarrosa* Willd.] - FNA

*Chaenactis douglasii* (Hook.) Hook. & Arn. var. *alpina* A. Gray - FNA, KTZ  
[*Chaenactis alpina* (A. Gray) M. E. Jones] - Dorn01, IMF, SF!, W&W, E/W  
[*Chaenactis alpina* (A. Gray) M. E. Jones var. *alpina*] - HDH, UTF  
[*Chaenactis alpina* (A. Gray) M. E. Jones var. *leucopsis* (Greene) Cockerell ex Stockw.] - W&W  
[*Chaenactis alpina* (A. Gray) M. E. Jones var. *leucopsis* (Greene) Cockerell] - UTF

[*Chaenactis alpina* (A. Gray) M. E. Jones var. *leucopsis* (Greene) Stockw.] - HDH, rep.  
[*Chaenactis leucopsis* Greene] - KTZ

***Chaenactis douglasii* (Hook.) Hook. & Arn. var. *douglasii* - HDH, KTZ**

[*Chaenactis angustifolia* Greene] - HDH  
[*Chaenactis douglasii* (Hook.) Hook. & Arn.] - FNA, SF!, UTF, W&W, E/W  
[*Chaenactis douglasii* (Hook.) Hook. & Arn. var. *achilleifolia* (Hook. & Arn.) A. Nelson] - GPF, HDH, IMF  
[*Chaenactis douglasii* (Hook.) Hook. & Arn. var. *montana* M. E. Jones] - Dorn01, IMF  
[*Chaenactis humilis* Rydb.] - HDH, rep.  
[*Hymenopappus douglasii* Hook.] - FNA  
[*Macrocarpus douglasii* (Hook.) Nutt.] - FNA

***Chaenactis stevioides* Hook. & Arn. - FNA, HDH, KTZ, SFW, UTF, W&W**

[*Chaenactis stevioides* Hook. & Arn. var. *steviodes*] - Dorn01, IMF, W

***Chaetopappa ericoides* (Torr.) G. L. Nesom - Dorn01, FNA, IMF, KTZ, UTF, E/W**

[*Aster arenosus* S. F. Blake] - HDH  
[*Chaetopappa ericoides* (A. Gray) G. L. Nesom] - W&W<sup>1</sup>  
[*Leucelene ericoides* (Torr.) Greene] - SF!  
[*Leucelene ericoides* (Torr. & A. Gray) Greene] - GPF, W&W

***Chamaechaenactis scaposa* (Eastw.) Rydb. - Dorn01, FNA, HDH, IMF, SFW, UTF, W&W, W**

[*Chaenactis scaposa* Eastw.] - FNA  
[*Chamaechaenactis scaposa* (Eastw.) Rydb. var. *scaposa*] - KTZ

**Chamomilla (see *Matricaria*)**

***Chloracantha spinosa* (Benth.) Nesom - KWA, KTZ**

[*Aster spinosus* Benth.] - KWA, M&H, KTZ  
[*Erigeron ortegae* Blake] - KTZ  
[*Leucosyris spinosa* (Benth.) Greene] - KWA, KTZ

**Chlorocrepis (see *Hieracium*)**

**Chrysanthemum**

[NS - generic boundaries unstable]

∴ *Chrysanthemum coccineum* Willd. - KTZ, W&W

∴ *Chrysanthemum coronarium* L. - HDH, KTZ, W&W

[No known voucher at COLO]

∴ *Chrysanthemum leucanthemum* L. - Dorn01, GPF, IMF, UTF, E/W

[*Chrysanthemum leucanthemum* L. var. *pinnatifidum* Lecoq & Lamotte] - HDH

[*Leucanthemum vulgare* Lam.] - FNA, KTZ, SF!, W&W

∴ *Chrysanthemum maximum* Ramond - W

[NS - established in parts of Boulder County]

[*Leucanthemum maximum* (Ramond) DC.] - FNA, KTZ, SFW, W&W<sup>1</sup>

**Chrysopsis (see *Heterotheca*)**

**Chrysothamnus (see also *Ericameria*, *Lorandersonia*)**

(Identification sources: \_\_\_\_\_)

*Chrysothamnus depressus* Nutt. - FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Chrysothamnus greenei* (A. Gray) Greene - Dorn01, FNA, IMF, KTZ, SF!, UTF, E/W  
 [Bigelovia greenei A. Gray] - FNA  
 [Chrysothamnus greenei (A. Gray) Greene subsp. filifolius (Rydb.) H. M. Hall & Clem.] - HDH, W&W  
 [Chrysothamnus greenei (A. Gray) Greene subsp. greenei] - HDH, W&W  
*Chrysothamnus vaseyi* (A. Gray) Greene - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 [Bigelovia vaseyi A. Gray] - FNA  
*Chrysothamnus viscidiflorus* (Hook.) Nutt. subsp. axillaris (D. D. Keck) L. C. Anderson - FNA  
 [NS - combination unavailable at varietal level for consistency with other infraspecific taxa]  
 [Chrysothamnus axillaris D. D. Keck] - FNA  
*Chrysothamnus viscidiflorus* (Hook.) Nutt. var. lanceolatus (Nutt.) Greene - Dorn01, IMF, UTF, E  
 [Chrysothamnus viscidiflorus (Hook.) Nutt. subsp. elegans (Greene) H. M. Hall & Clem.] - HDH, W&W  
 [Chrysothamnus viscidiflorus (Hook.) Nutt. subsp. lanceolatus (Nutt.) H. M. Hall & Clem.] - FNA, GPF, HDH, KTZ, SFE, W&W  
*Chrysothamnus viscidiflorus* (Hook.) Nutt. var. puberulus (D. C. Eaton) Jeps. - IMF, UTF  
 [Chrysothamnus viscidiflorus (Hook.) Nutt. subsp. puberulus (D. C. Eaton) H. M. Hall & Clem.] - HDH, KTZ, W&W  
*Chrysothamnus viscidiflorus* (Hook.) Nutt. var. viscidiflorus - Dorn01, IMF, UTF, E/W  
 [Chrysothamnus viscidiflorus (Hook.) Nutt.] - SFW  
 [Chrysothamnus viscidiflorus (Hook.) Nutt. subsp. axillaris (D. D. Keck) L. C. Anderson] - KTZ, W&W  
 [Chrysothamnus viscidiflorus (Hook.) Nutt. subsp. latifolius (D. C. Eaton) H. M. Hall & Clem.] - W&W  
 [Chrysothamnus viscidiflorus (Hook.) Nutt. subsp. pumilus (Nutt.) H. M. Hall & Clem.] - HDH, W&W  
 [Chrysothamnus viscidiflorus (Hook.) Nutt. subsp. viscidiflorus] - FNA, GPF, HDH, SFE, W&W  
 [Chrysothamnus viscidiflorus (Hook.) Nutt. subsp. viscidiflorus var. latifolius (D. C. Eat.) Greene] - KTZ  
 [Chrysothamnus viscidiflorus (Hook.) Nutt. subsp. viscidiflorus var. viscidiflorus] - KTZ  
 [Chrysothamnus viscidiflorus (Hook.) Nutt. var. stenophyllus (A. Gray) H. M. Hall] - UTF  
 [Chrysothamnus viscidiflorus (Hook.) Nutt. subsp. stenophyllus (A. Gray) H. M. Hall & Clem.] - HDH, W&W  
 [Chrysothamnus viscidiflorus (Hook.) Nutt. subsp. viscidiflorus var. stenophyllus (A. Gray) H. M. Hall] - KTZ

∴ *Cichorium intybus* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

## Cirsium

(Identification sources: \_\_\_\_\_)

[NS - The FNA treatment is surely a general improvement for *Cirsium* but its taxonomy in the SRMR would benefit greatly from a doctoral dissertation. Our herbaria regionally need a lot of curatorial attention.]

*Cirsium arizonicum* (A. Gray) Petrak var. bipinnatum (Eastwood) D. J. Keil - FNA  
 [Cnicus arizonicus A. Gray] - FNA  
 [Cinsus drumondii Torr. & A. Gray var. bipinnatus Eastwood] - FNA  
 [Cirsium bipinnatum (Eastwood) Rydb.] - HDH  
 [Cirsium calcareum (M. E. Jones) Wooton & Standl.] - IMF, KTZ, SFW, W&W, W  
 [Cirsium calcareum (M. E. Jones) Wooton & Standl. var. bipinnatum (Eastw.) S. L. Welsh - FNA, UTF  
 [Cirsium calcareum (M. E. Jones) Wooton & Standl. var. calcareum] - UTF  
 [Cirsium calcareum (M. E. Jones) Wooton & Standl. var. pulchellum (Greene) S. L. Welsh - FNA, UTF  
 [Cirsium pulchellum (Greene) Wooton & Standl.] - HDH  
 [Cirsium pulchellum (Greene ex Rydb.) Wooton & Standl.] - FNA  
 [Cirsium pulchellum (Greene ex Rydb.) Wooton & Standl. subsp. bipinnatum (Eastwood) Petrak - FNA  
 [Cirsium pulchellum (Greene ex Rydb.) Wooton & Standl. subsp. diffusum (Eastwood) Petrak] - FNA  
 [Cirsium pulchellum (Greene ex Rydb.) Wooton & Standl. subsp. glabrescens Petrak] - FNA

- ∴ *Cirsium arvense* (L.) Scop. - Dorn01, FNA, GPF, IMF, KTZ, W&W, E/W  
 [Breaea arvensis (L.) Less.] - SF!, W&W<sup>1</sup>  
 [Breaea incana (Gmelin) W. A. Weber, in ed.] - W&W<sup>1</sup>  
 [Cirsium arvense (L.) Scop. var. arvense] - HDH  
 [Cirsium arvense (L.) Scop. var. horridum Wimm. & Grab.] - UTF  
 [Cirsium arvense (L.) Scop. var. integrifolium Wimm. & Grab.] - HDH, RMC  
 [Cirsium arvense (L.) Scop. var. mite Wimmer & Grab.] - UTF  
 [Cirsium arvense (L.) Scop. var. vestitum Wimmer & Graebner] - HDH  
 [Cirsium incanum (S. G. Gmelin) Fisher ex Bieberstein] - W&W
- Cirsium barnebyi* S. L. Welsh & Neese - Dorn01 (reported), FNA, IMF, KTZ, SFW, UTF, W&W, W
- Cirsium canescens* Nutt. - Dorn01, FNA, GPF, HDH, KTZ, SF!, W&W, E/W  
 [Cirsium plattense (Rydb.) Fernald] - HDH
- Cirsium clavatum* (M. E. Jones) Petrak var. *americanum* (A. Gray) D. J. Keil - FNA  
 [Carduus spathulatus Osterhout.] - KTZ  
 [Cnicus carlinoides Schrank var. americanus A. Gray] - FNA  
 [Cirsium centaureae (Rydb.) K. Schum.] - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 [Cirsium griseum (Rydb.) K. Schum.] - FNA, KTZ  
 [Cirsium laterifolium (Osterh.) Petrak] - FNA, KTZ  
 [Cirsium modestum (Osterh.) Cockerell] - FNA, KTZ  
 [Cirsium remotifolium (Hook.) DC. subsp. oregonense Petrak]  
 [Cirsium scapanolepis Petrak] - FNA, KTZ, W&W  
 [Cirsium spathulifolium Rydb.] - HDH, FNA
- Cirsium clavatum* (M. E. Jones) Petrak var. *clavatum* - FNA, UT3  
 [Cirsium clavatum (M. E. Jones) Petrak] - IMF, KTZ, UTF  
 [Cirsium clavatum (M. E. Jones) Petrak var. markaguntense S. L. Welsh] - FNA
- ◆ *Cirsium clavatum* (M. E. Jones) Petrak var. *osterhoutii* (Rydb.) D. J. Keil - **ENDEMIC** <CO>. FNA  
 [Carduus areneousus Osterhout] - KTZ  
 [Carduus osterhoutii Rydb.] - FNA  
 [Cirsium araneans Rydb.] - FNA, KTZ, W&W  
 [? *Cirsium eatonii* (A. Gray) B. L. Rob.] - W&W<sup>1</sup>  
 [Cirsium osterhoutii (Rydb.) Petrak] - KTZ, W&W
- Cirsium drummondii* Torr. & A. Gray - FNA, KWA, JM, HDH, KTZ, W&W, misid.  
 [Carduus drummondii (Torr. & A. Gray) Coville] - KWA  
 [Cirsium coccinatum Osterhout] - FNA, KTZ  
 [Cirsium coloradense (Rydberg) Cockerell] - KWA  
 [Cirsium foliosum (Hooker) A.P. de Candolle] - KWA
- Cirsium eatonii* (A. Gray) B. L. Rob. var. *eriocephalum* (A. Gray) D. J. Keil - FNA  
 [Carduus hookerianus Nuttall var. eriocephalus (A. Gray) A. Nelson] - FNA  
 [Cirsium eatonii (A. Gray) B. L. Rob.] - FNA, HDH, IMF, KTZ, SF!, W&W, E/W  
 [Cirsium eatonii (A. Gray) B. L. Rob. var. eatonii] - UTF  
 [Cirsium eriocephalum A. Gray] - FNA  
 [Cirsium eriocephalum A. Gray var. leioccephalum D. C. Eat. in S. Wats.] - FNA  
 [Cirsium scopulorum (Greene) Cockerell ex Daniels] - FNA  
 [Cirsium scopulorum (Greene) Cockerell] - HDH, SF!, UTF, W&W  
 [Cirsium tweedyi (Rydb.) Petrak] - W&W  
 [Cnicus eatonii A. Gray] - FNA  
 [Cnicus eriocephalum A. Gray] - FNA
- Cirsium eatonii* (A. Gray) B. L. Rob. var. *hesperium* (Eastwood) D. J. Keil - FNA  
 [Cirsium hesperium (Eastw.) Petrak] - SF!, W&W  
 [Cirsium hesperium (Eastw.) Rydb.] - HDH  
 [Cirsium hesperium (Eastwood) Petrak] - FNA  
 [Cnicus hesperius Eastwood] - FNA

- Cirsium eatonii* (A. Gray) B. L. Rob. var. *murdockii* S. L. Welsh - FNA  
 [*Cirsium murdockii* (S. L. Welsh) Cronq.] - FNA  
 [*Cirsium polphyllum* (Rydb.) Petrak] - FNA  
 [*Cirsium tweedyi* (Rydb.) Petrak] - FNA
- Cirsium flodmanii* (Rydb.) Arthur - Dorn01, FNA, GPF, IMF, KTZ, SFE, W&W, E
- Cirsium inamoenum* (Greene) D. J. Keil var. *davisii* (Cronq.) D. J. Keil - FNA  
 [*Carduus nevadensis* Greene] - KTZ  
 [*Cirsium davisii* Cronq.] - KTZ  
 [*Cirsium humboldtense* Rydb.] - KTZ  
 [*Cirsium subniveum* Rydb.] - Dorn01, KTZ
- Cirsium neomexicanum* A. Gray - FNA, HDH, IMF, KTZ, SFW, W&W, W  
 [*Cirsium arcuum* A. Nelson] - FNA  
 [*Cirsium humboldtense*] - FNA  
 [*Cirsium neomexicanum* A. Gray var. *utahense* (Petrak) S. L. Welsh] - FNA, UTF  
 [*Cirsium undulatum* (Nutt.) Sprengel var. *albescens* D. C. Eat.] - FNA  
 [*Cirsium utahense* Petrak] - FNA
- Cirsium ochrocentrum* A. Gray - Dorn01, FNA, GPF, HDH, IMF, KTZ, UTF, W&W, E/W  
 [*Cirsium ochrocentrum* (A. Gray) A. Gray] - SF!  
 [*Cirsium ochrocentrum* A. Gray var. *ochrocentrum*] - FNA
- Cirsium ownbeyi* S. L. Welsh - Dorn01, FNA, IMF, KTZ, SFW, UTF, W&W, W
- Cirsium parryi* (A. Gray) Petrak - FNA, HDH, SF!, UTF, W&W  
 [*Cirsium inornatum* (Wooton & Standl.) Wooton & Standl.] - FNA  
 [*Cirsium gilense* (Wooton & Standl.) Wooton & Standl.] - FNA  
 [*Cirsium pallidum* Wooton & Standl.] - FNA, HDH, KTZ, W&W  
 [*Cirsium parryi* (A. Gray) Petrak] - FNA, HDH, SF!, UTF, W&W  
 [*Cirsium parryi* (A. Gray) Petrak subsp. *parryi*] - KTZ, E/W  
 [*Cirsium parryi* (A. Gray) Petrak subsp. *mogollonicum* Schaack & G. A. Goodwin] - FNA  
 [*Cnicus parryi* A. Gray] - FNA
- ◆ *Cirsium perplexans* (Rydb.) Petrak - **ENDEMIC** <CO>, FNA, KTZ, SFW, W&W, W  
 [*Carduus perplexans* Rydb.] - FNA  
 [*Cirsium perplexans* Rydb.] - HDH  
 [*Cirsium vernale* (Osterh.) Cockerell] - FNA, KTZ
- ◆ *Cirsium pulcherrimum* (Rydb.) Schum. var. *aridum* (Dorn) D. J. Keil - FNA  
 [*Cirsium aridum* Dorn] - Dorn01, FNA  
 [*Cirsium pulcherrimum* (Rydb.) K. Schum. - FNA, GPF, IMF, KTZ, UTF
- Cirsium pulcherrimum* (Rydb.) K. Schum. var. *pulcherrimum* - Dorn01, FNA  
 {*Cirsium remotifolium* (Hook.) DC. subsp. *remotifolium*} - IMF, KTZ  
 {NS - restricted to Pacific states fide FNA [as *C. remotifolium* (Hook.) Dc. in A. P. DC. & A. L. P. DC.]}
- Cirsium scariosum* Nuttall var. *americanum* (A. Gray) D. J. Keil - FNA  
 [*Cirsium americanum* (A. Gray) K. Schum.] - FNA  
 [*Cirsium acaule* (L.) Scop. var. *americanum* A. Gray] - FNA  
 [*Cirsium acaulescens* (A. Gray) K. Schum.] - FNA  
 [*Cirsium coloradoense* (Rydb.) Cockerell ex Daniels subsp. *acaulescens* (A. Gray) Petrak] - FNA  
 [*Cirsium coloradoense* (Rydb.) Cockerell ex Daniels subsp. *longissimum* (A. Heller) Petrak] - FNA  
 [*Cirsium drummondii* Torr. & A. Gray var. *acaulescens* (A. Gray) J. F. Macbride] - FNA  
 [*Cirsium drummondii* Torr. & A. Gray subsp. *latisquamum* Petrak] - FNA  
 [*Cirsium drummondii* Torr. & A. Gray var. *oregonense* Petrak] - FNA  
 [*Cirsium drummondii* Torr. & A. Gray subsp. *vexans* Petrak] - FNA  
 [*Cirsium tioganum* (J. W. Congd.) Petrak] - FNA
- Cirsium scariosum* Nuttall var. *coloradense* (Rydb.) D. J. Keil - FNA  
 [*Carduus coloradensis* Rydb.] - FNA  
 [*Cirsium coloradense* (Rydb.) Cockerell] - FNA, W&W



[*Cirsium drummondii* Torr. & A. Gray var. *acaulescens* (A. Gray) J. F. Macbr.] - HDH

[*Cirsium erosum* (Rydb.) K. Schumann] - FNA

[*Cirsium X erosum* (Rydb.) K. Schum.] - PLS

[*Cirsium olivescens* (Rydb.) Petrak] - FNA

[*Cirsium scariosum* Nutt.] - IMF, KTZ, SF!, W&W, W&W<sup>1</sup>

[*Cirsium scariosum* Nutt. var. *scariosum*] - UTF

[*Cirsium tiganum* (Congd.)] - FNA

[*Cirsium tioganum* (Congd.) Petr. var. *coloradense* (Rydb.) Dorn] - Dorn01, E/W, FNA

[*Cirsium tioganum* (Congd.) Petr. var. *tioganum*] - Dorn01, E/W, FNA, RMC

[*Cirsium scariosum* Nutt. var. *scariosum* Nutt.] - UTF

### *Cirsium scariosum* Nuttall var. *scariosum* - FNA

[*Cirsium butleri* (Rydb.) Petrak] - FNA

[*Cirsium lacerum* (Rydb.) Petrak] - FNA

[*Cirsium mangifium* (A. Nelson)] - FNA

[*Cirsium minganense* Victorin] - FNA

### *Cirsium scariosum* Nuttall var. *thorneae* S. L. Welsh - FNA

### *Cirsium undulatum* (Nutt.) Spreng. - Dorn01, FNA, GPF, HDH, IMF, SF!, W&W

[*Cirsium megacephalum* (A. Gray) Cockerell] - HDH

[*Cirsium tracyi* (Rydb.) Petrak] - FNA, IMF, SFW, W&W

[*Cirsium undulatum* (Nutt.) Spreng. var. *tracyi* (Rydb.) S. L. Welsh] - KTZ, UTF, W

[*Cirsium undulatum* (Nutt.) Spreng. var. *undulatum*] - FNA, KTZ, UTF, E/W

### ∴ *Cirsium vulgare* (Savi) Ten. - Dorn01, FNA, GPF, IMF, KTZ, SF!, UTF, W&W, E/W

[*Cirsium lanceolatum* (L.) Hill] - HDH

### *Cirsium wheeleri* (A. Gray) Petrak - FNA, KTZ, UTF

[*Cirsium wheeleri* (A. Gray) Petrak var. *wheeleri*] - UT3

## *Conyza* (see also **Laennecia**)

### Δ *Conyza canadensis* (L.) Cronquist - FNA, HDH, SF!, W&W

[*Conyza canadensis* (L.) Cronquist var. *canadensis*] - Dorn01, GPF, IMF, KTZ, E/W

[*Conyza canadensis* (L.) Cronquist var. *glabrata* (A. Gray) Cronquist] - GPF, IMF, KTZ, UTF

[*Erigeron canadensis* L.] - FNA

### Δ *Coreopsis lanceolata* L. - FNA, GPF, HDH, KTZ, W&W, E

[No voucher at COLO]

### ∴ *Coreopsis tinctoria* Nutt. - Dorn01, FNA, GPF, HDH, SF!, W&W

[*Coreopsis tinctoria* Nutt. var. *tinctoria*] - IMF, KTZ, E/W

### ∴ *Cosmos bipinnatus* Cav. - Dorn01, FNA, HDH, IMF, KTZ, UTF, W&W

[Grown in Denver]

### *Cosmos parviflorus* (Jacq.) Pers. - FNA, KTZ, E/W

[*Cosmos parviflorus* (Jacq.) Kunth] - HDH, SF!, W&W

## *Crepis*

(Identification sources: \_\_\_\_\_)

### *Crepis acuminata* Nutt. - Dorn01, FNA, FGP, IMF, UTF

[*Crepis acuminata* Nutt. subsp. *acuminata*] - HDH, KTZ, E/W

[*Crepis acuminata* Nutt. subsp. *pluriflora* Bab. & Stebbins] - FNA, HDH, KTZ, E/W

[*Crepis angustata* Rydb.] - FNA

[*Crepis seselifolia* Rydb.] - FNA°

- [*Psilochenia acuminata* (Nutt.) W. A. Weber] - SF!, W&W  
 [*Psilochenia acuminata* (Nutt.) W. A. Weber] - SF!, W&W  
*Crepis atribarba* A. Heller - Dorn01, FNA, HDH, IMF, UTF, E/W  
 [*Crepis atribarba* A. Heller subsp. *atribarba*] - KTZ  
 [*Crepis exilis* Osterh.] - FNA  
 [*Crepis exilis* Osterh. subsp. *originalis* Babcock & Stebbins] - FNA  
 [*C. occidentalis* Nutt. var. *gracilis* D. C. Eat.] - FNA  
 [*Psilochenia atribarba* (A. Heller) W. A. Weber] - SF!, W&W  
 ∴ *Crepis capillaris* Wallr. - FNA, IMF, KTZ, SFE, E  
 [*Crepis capillaris* (L.) Wallr.] - GPF, UTF, W&W  
*Crepis intermedia* A. Gray - Dorn01, FNA, HDH, IMF, KTZ, UTF, W  
 [*Psilochenia intermedia* (A. Gray) W. A. Weber] - SFW, W&W  
*Crepis modocensis* Greene var. *modocensis* - FNA, IMF, W  
 [*Crepis modocensis* Greene subsp. *modocensis*] - KTZ, RMC  
 [*Crepis modocensis* Greene] - Dor01, HDH, UTF  
 [*Psilochenia modocensis* (Greene) W. A. Weber] - SFW, W&W  
 {*Crepis nana* Richardson subsp. *clivicola* Legg.} - KTZ, E/W  
 {*Askellia nana* (Richardson) W. A. Weber} - SF!, W&W  
*Crepis nana* Richardson var. *ramosa* (Babc.) Cronquist - Dorn01, FNA, IMF, E/W  
 [*Askellia nana* (Richardson) W. A. Weber] - SF!, W&W  
 [*Crepis nana* Richardson] - UTF  
 [*Crepis nana* Richardson subsp. *nana*] - HDH, IMF, misapp., KTZ, RMC  
*Crepis occidentalis* Nutt. subsp. *conjuncta* Babcock & Stebbins - FNA  
*Crepis occidentalis* Nutt. var. *costata* A. Gray - Dorn01, FNA, UTF, E/W  
 [*Crepis occidentalis* Nutt. subsp. *costata* (A. Gray) Babc. & Stebbins] - GPF, HDH, IMF, KTZ  
 [*Psilochenia occidentalis* Nutt.] - SF!  
 [*Psilochenia occidentalis* (Nutt.) Nutt. subsp. *costata* (A. Gray) W. A. Weber] - W&W  
*Crepis occidentalis* Nutt. var. *occidentalis* - Dorn01, FNA, UTF, E/W  
 [*Crepis occidentalis* Nutt. subsp. *occidentalis*] - HDH, IMF, KTZ  
 [*Psilochenia occidentalis* Nutt.] - SF!  
 [*Psilochenia occidentalis* (Nutt.) Nutt. subsp. *occidentalis*] - W&W  
*Crepis runcinata* (E. James) Torr. & A. Gray var. *glauca* (Nutt.) B. Boivin - Dorn01, FNA, IMF, UTF, E/W  
 [*Crepis runcinata* Torr. & A. Gray subsp. *glauca* (Nutt.) Babc. & Stebbins] - GPF, HDH  
 [*Crepis runcinata* (E. James) Torr. & A. Gray subsp. *glauca* (Nutt.) Babc. & Stebbins] - KTZ  
 [*Psilochenia runcinata* (E. James.) A. Löve & D. Löve] - SF!  
 [*Psilochenia runcinata* (E. James ex Torr.) A. Löve & D. Löve] - W&W  
*Crepis runcinata* (E. James) Torr. & A. Gray var. *hispidulosa* Howell ex Rydb. - Dorn01, FNA, IMF, UTF, E/W  
 [*Crepis runcinata* Torr. & A. Gray subsp. *hispidulosa* (Howell) Babc. & Stebbins] - HDH  
 [*Crepis runcinata* (E. James) Torr. & A. Gray subsp. *hispidulosa* (Howell ex Rydb.) Babc. & Stebbins] - KTZ  
 [*Psilochenia runcinata* (E. James) A. Löve & D. Löve] - SF!  
 [*Psilochenia runcinata* (E. James ex Torr.) A. Löve & D. Löve] - W&W  
*Crepis runcinata* (E. James) Torr. & A. Gray var. *runcinata* - Dorn01, FNA, IMF, UTF, E/W  
 [*Crepis runcinata* Torr. & A. Gray subsp. *runcinata*] - HDH  
 [*Crepis runcinata* (E. James) Torr. & A. Gray subsp. *runcinata*] - GPF, KTZ  
 [*Psilochenia runcinata* (E. James) A. Löve & D. Löve] - SF!  
 [*Psilochenia runcinata* (E. James ex Torr.) A. Löve & D. Löve] - W&W
- Cyclachaena xanthifolia* (Nutt.) Fresen. - SF!, W&W  
 [*Iva xanthifolia* Nutt.] - Dorn01, GPF, HDH, IMF, KTZ, UTF, E/W
- Diaperia prolifera* (Nutt. ex DC.) Nutt. var. *prolifera* - FNA

[*Evax prolifera* Nutt. ex DC.] - GPF, KTZ, W&W, E  
[*Evax prolifera* Nutt.] - HDH, SFE

## Dieteria

(Identification sources: \_\_\_\_\_)

*Dieteria bigelovii* (A. Gray) D. R. Morgan & R. L. Hartm. var. *bigelovii* - FNA

[*Aster bigelovii* A. Gray] - HDH

[*Machaeranthera bigelovii* (A. Gray) Greene] - Dorn01, IMF, SF!, W&W

[*Machaeranthera bigelovii* (A. Gray) Greene var. *bigelovii*] - KTZ, UTF, Turner87, E/W

[*Machaeranthera pattersonii* (A. Gray) Greene] - SFE, W&W

*Dieteria canescens* (Pursh) Nutt. var. *ambigua* (B. L. Turner) D. R. Morgan & R. L. Hartman - FNA

[*Machaeranthera canescens* (Pursh) A. Gray var. *ambigua* B. L. Turner] - FNA

*Dieteria canescens* (Pursh) Nutt. var. *aristata* (Eastwood) D. R. Morgan & R. L. Hartman - FNA

[*Aster canescens* Pursh var. *aristatus* Eastwood] - FNA

[*Machaeranthera canescens* (Pursh) A. Gray var. *aristata* (Eastwood) B.L. Turner] - FNA

[*Machaeranthera rigida* Greene] - FNA

*Dieteria canescens* (Pursh) Nutt. var. *canescens* - FNA

[*Machaeranthera divaricata* (Nutt.) Greene] - FNA

[*Machaeranthera laetevirens* Greene] - FNA

[*Machaeranthera latifolia* A. Nelson] - FNA

[*Machaeranthera pluverulenta* (Nutt.) Greene] - FNA

[*Machaeranthera viscosa* (Nutt.) Greene] - FNA

*Dieteria canescens* (Pursh) Nutt. var. *glabra* (A. Gray) D. R. Morgan & R. L. Hartman - FNA

[*Aster canescens* Pursh var. *viridis* A. Gray] - FNA

[*Machaeranthera canescens* (Pursh) A. Gray var. *glabra* A. Gray] - FNA

[*Machaeranthera linearis* Greene] - FNA

*Dicoria canescens* A. Gray - FNA

[*Dicoria brandegei* A. Gray] - HDH rep., SFW, UTF, W&W

[*Dicoria canescens* A. Gray subsp. *brandegeei* (A. Gray) Kartesz] - KTZ

[*Dicoria canescens* A. Gray var. *brandegeei* (A. Gray) Cronquist] - IMF, W

[*Dicoria paniculata* Eastw.] - HDH, rep.

{*Dicoria canescens* A. Gray var. *wetherillii* (Eastw.) Cronquist} - IMF <UT>

{*Dicoria canescens* A. Gray subsp. *wetherillii* (Eastw.) Kartesz, comb. in ed.} - KTZ

*Diplactis alpinus* (L.) Semple subsp. *vierhapperi* (Onno) Semple - FNA

[*Aster alpinus* L.] - HDH

[*Aster alpinus* L. var. *vierhapperi* (Onno) Cronquist - KTZ, SF!, W&W, E/W

[*Aster culminis* A. Nelson] - FNA

[*Aster alpinus* L. var. *vierhapperi* Onno] - FNA

*Dugaldia* (see **Hymenoxys**)

*Dyssodia* (see also **Thymophylla**)

*Dyssodia papposa* (Vent.) Hitchc. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, W&W, E/W

*Echinacea angustifolia* DC. - Dorn01, FNA, GPF, HDH, SFE, W&W

[*Echinacea angustifolia* DC. var. *angustifolia*] - KTZ, E

*Echinacea purpurea* (L.) Moench - GPF, KTZ, SFE, W&W<sup>1</sup>, E  
[NS - not native to our region fide FNA]

∴ *Echinops sphaerocephalus* L. - HDH, FNA, KTZ, W&W

{*Eclipta alba* (L.) Hassk.} - HDH, exp.  
{*Eclipta prostrata* (L.) L.} - GPF, KTZ  
{*Verbesina prostrata* L.} - FNA

*Enceliopsis nudicaulis* (A. Gray) A. Nelson var. *nudicaulis* - IMF, KTZ, W  
[*Enceliopsis nudicaulis* (A. Gray) A. Nelson] - HDH, exp., SFW, UTF, W&W

*Encelia nutans* Eastw. - FNA, KTZ  
[*Enceliopsis nutans* (Eastw.) A. Nelson - HDH, IMF, UTF, W&W, W  
[*Enceliopsis nutans* Eastw.] - SFW  
[*Enceliopsis nutans* (Eastw.) A. Nelson]

*Engelmannia peristenia* (Raf.) Goodm. & Lawson - FNA, KTZ, SFE, W&W<sup>1</sup>, Goodman92  
[*Engelmannia pinnatifida* A. Gray ex Nutt.] - GPF, W&W, E  
[*Engelmannia pinnatifida* Torr. & A. Gray] - HDH  
[*Silphium peristenium* Raf.] - FNA

## Ericameria

(Identification sources: \_\_\_\_\_)

*Ericameria discoidea* (Nutt.) G. L. Nesom var. *discoidea* - KTZ, E/W  
[*Ericameria discoidea* (Nutt.) G. L. Nesom] - FNA, W&W<sup>1</sup>  
[*Haplopappus macronema* A. Gray] - UTF  
[*Haplopappus macronema* A. Gray subsp. *macronema*] - HDH  
[*Haplopappus macronema* A. Gray var. *macronema*] - IMF  
[*Macronema discoideum* Nutt.] - SF!, W&W

{*Ericameria linearifolia* (DC.) Urbatsch & Wussow} - KTZ <AZ, UT>, W&W, err. rep.  
{*Haplopappus linearifolius* DC. subsp. *interior* (Coville) H. M. Hall} - HDH, rep.  
{*Haplopappus linearifolius* DC. var. *interior* (Coville) M. E. Jones} - IMF  
{*Haplopappus linearifolius* A. Gray var. *interior* (Coville) M. E. Jones} - UTF

*Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird subsp. *ammophila* L. C.  
Anderson

[NS - it is disagreeable to mix varieties and subspecies under one species but as the species is recently published no varietal combination is available]

*Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird var. *bigelovii* (A. Gray) G. L.  
Nesom & G. I. Baird - E, FNA

[*Chrysothamnus nauseosus* (Pall.) Britton subsp. *bigelovii* (A. Gray) H. M. Hall & Clem.] - HDH, SFE  
[*Chrysothamnus nauseosus* (Pall. ex Pursh) Britton subsp. *bigelovii* (A. Gray) H. M. Hall & Clem.] - W&W  
[*Chrysothamnus nauseosus* (Pall.) Britton var. *bigelovii* (A. Gray) H. M. Hall] - IMF, UTF  
[*Chrysothamnus nauseosus* (Pall. ex Pursh) Britton var. *bigelovii* (A. Gray) H. M. Hall]  
[*Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird subsp. *nauseosa* var. *bigelovii* (A. Gray) G. L.  
Nesom & G. I. Baird] - KTZ  
[*Linosyris bigelovii* A. Gray] - FNA

*Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird var. *glabrata* (A. Gray) G. L.  
Nesom & G. I. Baird - E/W

- [*Chrysothamnus nauseosus* (Pall.) Britton subsp. *graveolens* (Nutt.) Piper] - GPF, SF!  
 [*Chrysothamnus nauseosus* (Pall.) Britton subsp. *graveolens* (Nutt.) H. M. Hall & Clem.] - HDH  
 [*Chrysothamnus nauseosus* (Pall. ex Pursh) Britton subsp. *graveolens* (Nutt.) Piper] - W&W  
 [*Chrysothamnus nauseosus* (Pall.) Britton var. *glabratus* (A. Gray) Cronquist] - UTF  
 [*Chrysothamnus nauseosus* (Pall.) Britton var. *graveolens* (Nutt.) H. M. Hall] - IMF  
 [*Chrysothamnus nauseosus* (Pall. ex Pursh) Britton var. *graveolens* (Nutt.) H. M. Hall] - FNA  
 [*Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird subsp. *nauseosa* var. *glabrata* (A. Gray) G. L. Nesom & G. I. Baird] - KTZ
- Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird var. *hololeuca* (A. Gray) G. L. Nesom & G. I. Baird - KWA, E  
 [*Bigelovia graveolens* Nutt. var. *hololeuca*] - FNA  
 [*Chrysothamnus nauseosus* (Pall. ex Pursh) Britton subsp. *gnaphalodes* (Greene) Hall] - M&H  
 [*Chrysothamnus nauseosus* (Pall.) Britton subsp. *hololeucus* (A. Gray) H. M. Hall & Clem.] - SFE  
 [*Chrysothamnus nauseosus* (Pall. ex Pursh) Britton subsp. *hololeucus* (A. Gray) H. M. Hall & Clem.] - W&W<sup>1</sup>  
 [*Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird subsp. *nauseosa* var. *hololeuca* (A. Gray) G. L. Nesom & G. I. Baird] - KTZ
- Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird var. *juncea* (Greene) G. L. Nesom & G. I. Baird - PLS  
 [*Chrysothamnus nauseosus* (Pall. ex Pursh) Britton var. *junceus* (Greene) H. M. Hall & Clem.]  
 [*Chrysothamnus nauseosus* (Pall.) Britton var. *junceus* (Greene) H. M. Hall] - UTF, IMF  
 [*Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird subsp. *consimilis* (Greene) G. L. Nesom & G. I. Baird var. *juncea* (Greene) G. L. Nesom & G. I. Baird] - KTZ
- Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird var. *latisquamea* (A. Gray) G. L. Nesom & G. I. Baird  
 [*Bigelovia graveolens* (Nuttall) Gray var. *appendiculata* Eastwood] - KWA  
 [*Bigelovia graveolens* (Nuttall) Gray var. *latisquameus* Gray] - KWA  
 [*Chrysothamnus appendiculatus* (Eastwood) Heller] - KWA  
 [*Chrysothamnus latisquameus* (Gray) Greene] - KWA  
 [*Chrysothamnus nauseosus* subsp. *latisquameus* (Gray) Hall & Clements] - KWA, M&H, KTZ  
 [*Chrysothamnus nauseosus* var. *latisquameus* (Gray) Hall] - KTZ  
 [*Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird var. *latisquameus* (Gray) Hall] - FNA, KWA, KTZ
- Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird var. *leiosperma* (A. Gray) G. L. Nesom & G. I. Baird - FNA, W  
 [*Bigelovia leiosperma* A. Gray in A. Gray] - FNA  
 [*Chrysothamnus nauseosus* (Pall.) Britton subsp. *leiospermus* (A. Gray) H. M. Hall & Clem.] - SFW  
 [*Chrysothamnus nauseosus* (Pall. ex Pursh) Britton subsp. *leiospermus* (A. Gray) H. M. Hall & Clem.] - W&W  
 [*Chrysothamnus nauseosus* (Pall.) Britton var. *leiospermus* (A. Gray) H. M. Hall] - IMF, UTF  
 [*Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird subsp. *consimilis* (Greene) G. L. Nesom & G. I. Baird var. *leiosperma* (A. Gray) G. L. Nesom & G. I. Baird] - KTZ
- Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird var. *nauseosa* - Dorn01, FNA, E  
 [*Chrysothamnus nauseosus* (Pall.) Britton subsp. *nauseosus*] - GPF, HDH, SFE  
 [*Chrysothamnus nauseosus* (Pall. ex Pursh) Britton subsp. *nauseosus*] - W&W  
 [*Chrysothamnus nauseosus* (Pall. ex Pursh) Britton var. *nauseosus*] - RMC  
 [*Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird subsp. *nauseosa* var. *nauseosa*] - KTZ
- Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird var. *oreophila* (A. Nelson) G. L. Nesom & G. I. Baird - Dorn01, E, FNA  
 [*Chrysothamnus nauseosus* (Pall.) Britton subsp. *consimilis* (Greene) H. M. Hall & Clem.] - HDH, SFE  
 [*Chrysothamnus nauseosus* (Pall. ex Pursh) Britton subsp. *consimilis* (Greene) H. M. Hall & Clem.] - W&W  
 [*Chrysothamnus nauseosus* (Pall.) Britton var. *consimilis* (Greene) H. M. Hall] - UTF  
 [*Chrysothamnus nauseosus* (Pall. ex Pursh) Britton var. *oreophilus* (A. Nelson) H. M. Hall] - RMC  
 [*Chrysothamnus nauseosus* (Pall.) Britton var. *oreophilus* (A. Nelson) H. M. Hall] - IMF  
 [*Chrysothamnus nauseosus* (Pall. ex Pursh) Britton subsp. *pinifolius* (Greene) H. M. Hall & Clem.] - HDH, W&W<sup>1</sup>

[*Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird subsp. *consimilis* (Greene) G. L. Nesom & G. I. Baird var. *oreophila* (A. Nelson) G. L. Nesom & G. I. Baird] - KTZ

*Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird var. *speciosa* (Nutt.) G. L. Nesom & G. I. Baird - FNA

[*Chrysothamnus nauseosus* (Pall.) Britton subsp. *albicaulis* (Nutt.) Rydb.] - GPF

[*Chrysothamnus nauseosus* (Pall.) Britton var. *albicaulis* (Nutt.) Rydb.] - UTF

[*Chrysothamnus nauseosus* (Pall. ex Pursh) Britton subsp. *speciosus* (Nutt.) H. M. Hall & Clem.] - HDH, W&W, err. rep.

[*Chrysothamnus nauseosus* (Pall.) Britton var. *speciosus* (Nutt.) H. M. Hall] - IMF

[*Chrysothamnus speciosus* Nutt.] - FNA

[*Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird subsp. *nauseosa* var. *speciosa* (Nutt.) G. L. Nesom & G. I. Baird] - KTZ

{*Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird var. *turbinata* (M. E. Jones) G. L. Nesom & G. I. Baird}

{*Chrysothamnus nauseosus* (Pall.) Britton var. *turbinatus* (M. E. Jones) S. F. Blake} - IMF, UTF

{*Chrysothamnus nauseosus* (Pall. ex Pursh) Britton var. *turbinatus* (M. E. Jones) S. F. Blake}

{*Ericameria nauseosa* (Pall. ex Pursh) G. L. Nesom & G. I. Baird subsp. *consimilis* (Greene) G. L. Nesom & G. I. Baird var. *turbinata* (M. E. Jones) G. L. Nesom & G. I. Baird} - KTZ

*Ericameria parryi* (A. Gray) G. L. Nesom var. *affinis* (A. Nelson) G. L. Nesom & G. I. Baird - E/W, FNA

[*Chrysothamnus parryi* (A. Gray) Greene subsp. *affinis* (A. Nelson) L. C. Anderson] - SF!, W&W

[*Chrysothamnus parryi* (A. Gray) Greene var. *affinis* (A. Nelson) Cronquist] - IMF

[*Ericameria parryi* (A. Gray) G. L. Nesom & G. I. Baird var. *affinis* (A. Nelson) G. L. Nesom & G. I. Baird] - KTZ

[*Linosyris parryi* A. Gray] - FNA

*Ericameria parryi* (A. Gray) G. L. Nesom var. *attenuata* (M. E. Jones) G. L. Nesom & G. I. Baird - FNA, KTZ

[*Chrysothamnus parryi* (A. Gray) Greene subsp. *attenuatus* (M. E. Jones) H. M. Hall & Clem.] - HDH, W&W

[*Chrysothamnus parryi* (A. Gray) Greene var. *attenuatus* (M. E. Jones) Kittell] - UTF

[*Chrysothamnus parryi* (A. Gray) Greene var. *nevadensis* (A. Gray) Kittell] - IMF

[*Ericameria parryi* (A. Gray) G. L. Nesom & G. I. Baird var. *attenuata* (M. E. Jones) G. L. Nesom & G. I. Baird] - KTZ

*Ericameria parryi* (A. Gray) G. L. Nesom var. *howardii* (Parry ex A. Gray) G. L. Nesom & G. I. Baird - Dorn01, E/W, FNA

[*Chrysothamnus parryi* (A. Gray) Greene subsp. *howardii* (Parry) H. M. Hall & Clem.] - GPF, HDH, SF!

[*Chrysothamnus parryi* (A. Gray) Greene subsp. *howardii* (Parry ex A. Gray) H. M. Hall & Clem.] - W&W

[*Chrysothamnus parryi* (A. Gray) Greene var. *howardii* (Parry ex A. Gray) Kittell] - IMF, RMC

[*Ericameria parryi* (A. Gray) G. L. Nesom & G. I. Baird var. *howardii* (Parry ex A. Gray) G. L. Nesom & G. I. Baird] - KTZ

*Ericameria parryi* (A. Gray) G. L. Nesom var. *parryi* - Dorn01, E/W, FNA

[*Chrysothamnus parryi* (A. Gray) Greene subsp. *parryi*] - HDH, SF!, W&W

[*Chrysothamnus parryi* (A. Gray) Greene var. *parryi*] - IMF, UTF

[*Ericameria parryi* (A. Gray) G. L. Nesom & G. I. Baird var. *howardii* (Parry ex A. Gray) G. L. Nesom & G. I. Baird] - KTZ

## Erigeron

(Identification sources: \_\_\_\_\_)

{*Erigeron acris* L. var. *acris*} - IMF (European)

{*Erigeron acris* L. subsp. *acris* var. *acris*}

{*Trimorpha acris* (L.) Gray} - Nesom89

{*Erigeron acris* L. var. *asteroides* (Andrz. ex Besser) DC.} - HDH, GPF

{NS - combination not in FNA Vol. 20}  
 {Erigeron acris L.] - UTF  
 {Erigeron acris L. var. asteroides (Andrz.) DC.} - HDH  
 {Erigeron acris L. subsp. politus (Fr.) Schinz & R. Keller} - KTZ  
 {Erigeron elongatus Ledeb.} - W&W  
 {Trimorpha acris (L.) G. L. Nesom var. asteroides (Andrz. ex Besser) G. L. Nesom} - Nesom89  
 {Trimorpha elongata (Ledeb.) Vierhapper} - W&W<sup>1</sup>  
 Erigeron acris L. var. kamschaticus (DC.) Herder - Dorn01, FNA  
 [Erigeron acris L. var. asteroides (Anderz. ex Bess.) DC.] - misapp., RMC  
 [Erigeron acris L.] - UTF  
 [Erigeron kamschaticus DC. {as kamschaticum}] - FNA  
 [Erigeron yellowstonensis A. Nelson] - FNA  
 [Erigeron acris L. subsp. kamschaticus (DC.) H. Hara] - KTZ  
 [Trimorpha acris (L.) Gray var. kamschatica (DC.) G. L. Nesom] - FNA, Nesom89  
 {Erigeron annuus (L.) Pers.} - HDH, exp., KTZ <KS, NE, OK, UT>  
 Erigeron aphanactis (A. Gray) Greene var. aphanactis - FNA  
 [Erigeron concinnus (Hook. & Arn.) Torr. & A. Gray var. aphanactis A. Gray] - FNA  
 Erigeron argentatus A. Gray - FCF, KTZ <CA, NV, UT>  
 Erigeron bellidiastrum Nutt. var. bellidiastrum - FNA, HDH, IMF, KTZ, E  
 [Erigeron bellidiastrum Nutt.] - Dorn01, GPF, SFE, UTF, W&W  
 Erigeron bellidiastrum Nutt. var. robustus Cronquist - FNA, HDH, IMF, KTZ, E  
 [Erigeron bellidiastrum Nutt.] - GPF, SFE, UTF, W&W  
 Erigeron caespitosus Nutt. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 Erigeron canus A. Gray - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 Erigeron compactus Blake var. consimilis (Cronquist) Blake - Dorn01  
 Erigeron compositus Pursh - FNA, KTZ, SF!, W&W  
 [Erigeron compositus Pursh var. discoideus A. Gray] - Dorn01, HDH, IMF, RMC, E/W  
 [Erigeron compositus Pursh var. glabratus Macoun] - GPF, HDH, IMF, UTF  
 Erigeron concinnus (Hook. & Arn.) Torr. & A. Gray var. concinnus - FNA, KTZ, W  
 [Erigeron brandegei A. Gray] - HDH  
 [Erigeron concinnus (Hook. & Arn.) Torr. & A. Gray] - SFW, W&W<sup>1</sup>  
 [Erigeron pumilus Nutt. subsp. concinnoides Cronquist] - HDH  
 [Erigeron pumilus Nutt. subsp. concinnoides Cronquist var. concinnus (Hook. & Arn.) Dorn] - IMF  
 [Erigeron pumilus Nutt. var. concinnoides Cronquist] - UTF, W&W  
 [Erigeron pumilus Nutt. var. concinnus (Hook. & Arn.) Dorn] - Dorn01  
 Erigeron concinnus (Hook. & Arn.) Torr. & A. Gray var. subglaber (Cronquist) G. L. Nesom  
 - FNA, KTZ, W  
 [Distasis concinna Hook. & Arn.] - FNA  
 [Erigeron aphanactis (A. Gray) Greene] - HDH  
 [Erigeron concinnus (Hook. & Arn.) Torr. & A. Gray] - SFW, W&W<sup>1</sup>  
 [Erigeron pumilus Nutt. subsp. concinnoides Cronquist var. subglaber Cronquist] - IMF  
 Erigeron consimilis Cronquist - FNA, KTZ, W&W, W  
 [Erigeron compactus S. F. Blake] - SFW, W&W  
 [Erigeron compactus S. F. Blake var. consimilis (Cronquist) S. F. Blake] - IMF, UTF  
 Erigeron corymbosus Nutt. - Dorn01, FNA, KTZ  
 Erigeron coulteri Porter - FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 Erigeron divergens Torr. & A. Gray var. divergens - HDH, IMF, UTF, E/W  
 [Erigeron divergens Torr. & A. Gray] - Dorn01, GPF, KTZ, SF!, W&W  
 Erigeron eatonii A. Gray var. eatonii - FNA, IMF, KTZ, W&W, E/W  
 [Erigeron eatonii A. Gray] - Dorn01, SF!, UTF  
 [Erigeron eatonii A. Gray subsp. eatonii] - HDH  
 Erigeron elatior (A. Gray) Greene - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

[*Erigeron grandiflorus* Hook. var. *elatior* A. Gray] - FNA  
*Erigeron engelmannii* A. Nelson var. *engelmannii* - FNA, IMF, KTZ, E/W  
 [Erigeron engelmannii A. Nelson] - SF!, UTF, W&W  
 [Erigeron engelmannii A. Nelson subsp. *engelmannii*] - HDH  
*Erigeron eximius* Greene - Dorn01, FNA, IMF, KTZ, SF!, W&W, E/W  
 [Erigeron superbus Greene ex Rydb.] - FNA, HDH, UTF, W&W, nomen nudum  
 [Erigeron formosissimus Greene] - UTF  
*Erigeron flagellaris* A. Gray - Dorn01, FNA, GPF, IMF, KTZ, SF!, UTF, W&W, E/W  
 [Erigeron flagellaris A. Gray forma *breviligulatus* W. A. Weber] - SFE, W&W  
 [Erigeron flagellaris A. Gray var. *flagellaris*] - HDH  
*Erigeron formosissimus* Greene var. *formosissimus* - Dorn01, FNA, GPF, HDH, W&W, E/W  
 [Erigeron formosissimus Greene] - IMF, KTZ, SF!, UTF  
 [Erigeron pecosensis Standl.] - FNA  
*Erigeron formosissimus* Greene var. *viscidus* (Rydb.) Cronquist - FNA, GPF, HDH, W&W, E/W  
 [Erigeron viscidus Rydb.] - FNA  
 [Erigeron formosissimus Greene] - KTZ, SF!  
 [Erigeron glabellus Nutt. var. *viscidus* (Rydb.) B. Boivin] - FNA  
*Erigeron glacialis* (Nutt.) A. Nelson var. *glacialis* - FNA  
 [Aster glacialis Nutt.] - FNA  
 [Erigeron callianthemus Greene] - FNA  
 [Erigeron peregrinus (Banks ex Pursh) var. *angustifolius* (A. Gray) Cronquist] - FNA  
 [Erigeron peregrinus (Banks ex Pursh) Greene var. *callianthemus* (Greene) Cronquist] - E/W  
 [Erigeron peregrinus (Pursh) Greene subsp. *callianthemus* (Greene) Cronquist] - HDH  
 [Erigeron peregrinus (Banks ex Pursh) Greene subsp. *callianthemus* (Greene) Cronquist var. *callianthemus*] - IMF, KTZ  
 [Erigeron peregrinus (Banks ex Pursh) Greene subsp. *callianthemus* (Greene) Cronquist] - W&W  
 [Erigeron peregrinus (Banks) Greene subsp. *callianthemus* (Greene) Cronq.] - SF!  
 [Erigeron peregrinus (Pursh) Greene subsp. *callianthemus* (Greene) Cronquist var. *callianthemus*] - UTF  
 [Erigeron peregrinus (Pursh) Greene var. *scaposus* (Torr. & A. Gray) Cronquist] - Dorn01, FNA  
 [Erigeron salsuginosus (Richards. ex R. Brown) A. Gray var. *glacialis* (Nutt.) A Gray] - FNA  
*Erigeron glabellus* Nutt. var. *glabellus* - Dorn01, FNA, IMF, KTZ, E/W  
 [Erigeron asper Nutt.] - FNA  
 [Erigeron glabellus Nutt.] - SF!, UTF, W&W  
 [Erigeron glabellus Nutt. subsp. *glabellus*] - GPF, HDH  
 [Erigeron oblancoolatus] - FNA  
*Erigeron glabellus* Nutt. var. *pubescens* Hook. - Dorn01, FNA, IMF, KTZ, E/W  
 [Erigeron asper Nutt. var. *pubescens* (Hook.) Breitung] - FNA  
 [Erigeron glabellus Nutt.] - SF!, UTF, W&W  
 [Erigeron glabellus Nutt. subsp. *pubescens* (Hook.) Cronquist] - FNA, GPF, HDH  
*Erigeron grandiflorus* Hook. - FNA, SF!, W&W, E/W  
 [Erigeron grandiflorus Hook. subsp. *grandiflorus*] - KTZ  
*Erigeron humilis* Graham - Dorn01, FNA, IMF, KTZ, SFW, UTF, W&W<sup>1</sup>, W  
 [Erigeron unalaschkensis DC.] - FNA  
 [Erigeron uniflorus var. *unalaschkensis* (DC.) Ostenfeld] - FNA  
*Erigeron kachinensis* S. L. Welsh & Moore - FNA, IMF, KTZ, SFW, UTF, W&W, W  
 [Erigeron kachinensis S. L. Welsh & Moore] - W&W  
*Erigeron lanatus* Hook. - Dorn01, FNA, KTZ, SF!, W&W, E/W  
*Erigeron leiomerus* A. Gray - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Erigeron linearis* (Hook.) Piper - Dorn01, FNA  
*Erigeron lonchophyllus* Hook. - Dorn01, FNA, GPF, HDH, IMF, KTZ, UTF, W&W, E/W  
 [Trimorpha lonchophylla (Hook.) G. L. Nesom] - SF!, W&W<sup>1</sup>; Nesom89  
 {*Erigeron mancus* Rydb.} - HDH, exp., KTZ <UT>, SFW <UT, possibly CO>, W  
*Erigeron melanocephalus* (A. Nelson) A. Nelson - Dorn01, FNA, IMF, KTZ, UTF, E/W



- [*Erigeron melanocephalus* A. Nelson] - HDH, SF!, W&W  
*Erigeron nanus* Nutt. - Dorn01, FNA, KTZ  
*Erigeron nematophyllus* Rydb. - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Erigeron nivalis* Nutt. - FNA; Hartman06  
 [Erigeron acris L.] - UTF  
 [Erigeron acris L. subsp. acris var. debilis A. Gray]  
 [Erigeron acris L. subsp. debilis (A. Gray) Piper] - KTZ  
 [Erigeron acris L. var. debilis A. Gray] - HDH, IMF, E/W  
 [Erigeron angulosus Gaudin subsp. debilis (A. Gray) Piper] - FNA  
 [Erigeron debilis (A. Gray) Rydb.] - FNA  
 [Erigeron elatus (Hook.) Greene var. bakeri Greene] - FNA  
 [Erigeron elongatus Ledeb.] - W&W  
 [Erigeron jucundus Greene] - FNA  
 [Erigeron scotteri B. Boivin] - FNA  
 [Trimorpha acris (L.) Gray var. debilis (A. Gray) G. L. Nesom] - Nesom89  
 [Trimorpha elongata (Ledeb.) Vierhapper] - SF!, W&W<sup>1</sup>  
*Erigeron ochroleucus* Nutt. var. *ochroleucus* - Dorn01, FNA, KTZ  
 [Erigeron parryi Canby & Rose] - KTZ  
 [NS - see comment in FNA 20: 293 regarding resurrection to specific status of *E. parryi* outside our range]  
*Erigeron ochroleucus* Nutt. var. *scribneri* (Canby ex Rydb.) Cronq. - Dorn01, KTZ  
*Erigeron philadelphicus* L. var. *philadelphicus* - FNA, KTZ, E/W  
 [Erigeron fraternus Greene]  
 [Erigeron philadelphicus L.] - GPF, HDH, IMF, SF!, W&W  
*Erigeron pinnatisectus* (A. Gray) A. Nelson - Dorn01, FNA, HDH, KTZ, SF!, W&W, E/W  
*Erigeron pulcherrimus* A. Heller - Dorn01, FNA, IMF, KTZ, SFW, UTF, W&W, W  
 [Erigeron bistiensis G. L. Nesom & Hevron] - FNA  
 [Erigeron pulcherrimus A. Heller var. *wyomingia* (Rydb.) Cronquist] - FNA, GPF, HDH  
*Erigeron pumilus* Nutt. var. *pumilus* - FNA, W&W, E  
 [Erigeron pumilis Nutt.] - Dorn01, GPF, SFE  
 [Erigeron pumilus Nutt. subsp. *pumilus*] - HDH, KTZ  
 [Erigeron pumilus Nutt. var. *pumilus*] - IMF  
*Erigeron radicans* Hook. - FNA  
 [Erigeron huberi S. L. Welsh & N. D. Atwood] - FNA  
 [Erigeron macounii Greene] - FNA  
*Erigeron simplex* Greene - Dorn01, IMF, KTZ, SF!, UTF, W&W, E/W  
*Erigeron sparsifolius* Eastw. - FNA  
 [Erigeron utahensis A. Gray var. *sparsifolius* (Eastw.) Cronquist] - HDH, IMF, KTZ, UTF, W&W, W  
 [Erigeron utahensis A. Gray] - SFW  
 [Erigeron vivax (A. Nelson) Rydb.] - FNA  
*Erigeron speciosus* (Lindl.) DC. - Dorn01, FNA, SF!, E/W  
 [Erigeron conspicuus Rydb.] - FNA  
 [Erigeron macranthus Nutt.] - FNA  
 [Erigeron speciosus (Lindl.) DC. var. *conspicuus* (Rydb.) Breitung] - FNA  
 [Erigeron speciosus (Lindl.) DC. var. *macranthus* (Nutt.) Cronquist] - GPF, HDH, IMF, KTZ, UTF, W&W  
 [Erigeron speciosus (Lindl.) DC. var. *speciosus*] - GPF, HDH, IMF, KTZ, UTF, W&W  
 [Erigeron subtrinervis Rydb. ex Porter subsp. *conspicuus* (Rydb.) Cronquist] - FNA  
 [Erigeron subtrinervis Rydb. ex Porter var. *conspicuus* (Rydb.) Cronquist] - FNA  
 [Stenactis speciosus Lindl.] - FNA  
 Δ *Erigeron strigosus* Muhl. ex Willd. var. *strigosus* - FNA, GPF, IMF, KTZ, E  
 [Erigeron ramosus (Walter) Britt., Sterns & Poggenburg] - FNA  
 [Erigeron ramosus (Walter) Britt., Sterns & Poggenburg var. *beyrichii* (Fischer & C. A. Meyer) Trelease] - FNA  
 [Erigeron strigosus Muhl.] - UTF  
 [Erigeron strigosus Muhl. ex Willd.] - Dorn01, HDH

- [*Erigeron strigosus* (Walter) Britt., Sterns & Poggenburg var. *beyrichii* (Fischer & C. A. Meyer) Torr. & A. Gray] - FNA  
 [Stenactis *beyrichii* Fischer & C. A. Meyer] - FNA  
 [Stenactis *strigosa* (Muhl.) DC.] - SFE  
 [Stenactis *strigosa* (Muhl. ex Willd.) DC.] - W&W
- Erigeron subtrinervis** Rydb. ex Porter & Britton - FNA, KTZ, E/W  
 [Erigeron *conspicuus* Rydb.] - KTZ  
 [Erigeron *speciosus* (Lindl.) DC. var. *mollis* (A. Gray) S. L. Welsh] - UTF  
 [Erigeron *subtrinervis* Rydb.] - GPF, SF!, W&W  
 [Erigeron *subtrinervis* Rydb. ex Porter & Britton var. *conspicuus* (Rydb.) Cronq.] - WYchecklist  
 [Erigeron *subtrinervis* Rydb. subsp. *subtrinervis*] - HDH  
 [Erigeron *subtrinervis* Rydb. var. *subtrinervis*] - IMF  
 [Erigeron *speciosus* var. *conspicuus* (Rydb.) Breitung] - KTZ  
 [Erigeron *subtrinervis* subsp. *conspicuus* (Rydb.) Cronq.] - KTZ
- Erigeron tener** (A. Gray) A. Gray - Dorn01  
 [Erigeron *caespitosus* Nuttall var. *tenerus* A. Gray] - FNA
- Erigeron tracyi** Greene - FNA  
 [Erigeron *cinereus* A. Gray 1849 {not Hook. & Arnott 1836} - FNA  
 [Erigeron *colomexicanus* A. Nelson] - KTZ, E  
 [Erigeron *colo-mexicanus* A. Nelson] - SFE, W&W  
 [Erigeron *commixtus* Greene] - FNA  
 [Erigeron *divergens* Torr. & A. Gray var. *cinereus* A. Gray] - HDH, UTF  
 [Erigeron *divergens* Torr. & A. Gray var. *cinereus* (A. Gray) A. Gray] - IMF  
 [Erigeron *modestus* A. Gray] - GPF
- Erigeron uintahensis** Cronquist - FNA, HDH, IMF, KTZ, SFW, W&W, W  
 [Erigeron *speciosus* (Lindl.) DC. var. *uintahensis* (Cronquist) S. L. Welsh] - UTF
- Erigeron ursinus** D. C. Eat. - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 [Erigeron *ursinus* D. C. Eat. var. *meyerae* S. L. Welsh] - FNA  
 [Erigeron *ursinus* D. C. Eat. var. *ursinus*] - UT3
- Erigeron utahensis** A. Gray - Dorn01, FNA, SFW  
 [Erigeron *stenophyllus* A. Gray {as *E. stenophyllum*}] - FNA  
 [Erigeron *utahensis* A. Gray var. *tetrapleuris* (A. Gray) Cronquist] - FNA, HDH, W&W  
 [Erigeron *utahensis* A. Gray var. *utahensis*] - IMF, KTZ, UTF, W
- Erigeron vagus** Payson - FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W
- Erigeron vetensis** Rydb. - Dorn01, FNA, GPF, HDH, KTZ, SF!, W&W, E/W  
 [Erigeron *glandulosus* Porter] - FNA  
 [Erigeron *porteri* S. F. Blake] - FNA
- Erigeron vreelandii** Greene - FNA, KTZ, W&W, E  
 [Erigeron *patens* Greene] - FNA  
 [Erigeron *platyphyllus* Greene] - FNA  
 [Erigeron *rudis* Wootton & Standl.] - FNA  
 [Erigeron *vreelandii* Rydb.] - SFE
- ◆ **Erigeron wilkenii** O'Kane - **ENDEMIC** <CO>, FNA, KTZ, SFW, W&W, W  
 [Erigeron *nematophyllus* Rydb.] - IMF
- Eucephalus perelegans** (A. Nelson & J. F. Macbr.) W. A. Weber - FNA, SFW, W&W  
 [Aster *perelegans* A. Nelson & J. F. Macbr.] - IMF, UTF, W  
 [Eucephalus *elegans* Nutt.] - Dorn01, FNA, KTZ, W&W<sup>1</sup>  
 [Eucephalus *perelegans* Nutt.] - W&W<sup>1</sup>
- Eucephalus engelmannii** (D. C. Eaton) Greene - Dorn01, FNA, KTZ, SF!, W&W  
 [Aster *engelmannii* (D. C. Eaton) A. Gray] - HDH, IMF, UTF, E/W  
 [Aster *elegans* (Nutt.) Torr. & A. Gray var. *engelmannii* D. C. Eat.] - FNA  
 [Aster *engelmannii* (D. C. Eat.) A. Gray] - FNA

Eupatorium (see also **Ageratina**, **Eutrochium**)

Eurybia integrifolia (Nutt.) G. L. Nesom] - FNA, KTZ <UT, WY>  
[Aster integrifolius Nutt.] - FCF, HDH rep., KTZ, IMF, UTF, W&W, rep.

Euthamia graminifolia (L.) Nutt. - FNA, SFE, W&W  
[Euthamia graminifolia (L.) Nutt. ex Cass. var. major (Michx.) Moldenke] - E  
[Euthamia graminifolia (L.) Greene var. graminifolia] - KTZ  
[Euthamia graminifolia (L.) Nutt. var. major (Michx.) Moldenke] - Dorn01, GPF  
[Solidago graminifolia (L.) Salisb. var. camporum (Greene) Fernald] - HDH

Euthamia gymnospermoides Greene - FNA, GPF, KTZ, SFE, W&W, E  
[Euthamia camporum Greene] - FNA  
[Euthamia chrysothamnoides Greene] - FNA  
[Euthamia glutinosa Rydb.] - FNA  
[Euthamia pulverulenta Greene] - FNA  
[Solidago gymnospermoides (Greene) Fernald vbar. callosa Harris] - FNA  
[Solidago texensis Friesner] - FNA

Euthamia occidentalis Nutt. - FNA, GPF, IMF, KTZ, SF!, W&W, E/W  
[Euthamia californica Gandoger] - FNA  
[Euthamia linearifolia Gandoger] - FNA  
[Solidago occidentalis (Nutt.) Torr. & A. Gray] - FNA, HDH, UTF

Eutrochium maculatum (L.) E. E. Lamont var. bruneri (A. Gray) E. E. Lamont - FNA  
[Eupatoriadelphus maculatus (L.) King & B. L. Rob. var. bruneri (A. Gray) King & B. L. Rob. - Dorn01  
[Eupatorium maculatum L.] - HDH, SF!, W&W  
[Eupatorium maculatum L. subsp. bruneri (A. Gray) G. W. Douglas] - FNA, IMF, W&W<sup>1</sup>  
[Eupatorium maculatum L. var. bruneri (A. Gray) Breit.] - GPF, KTZ, UTF, E/W

Flaveria campestris J. R. Johnst. - FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

Flaveria trinervia (sprengel) C. Hohn - FNA, KWA, M&H, W&S, KTZ  
[Flaveria repanda Lagasca] - KWA  
[Oedera trinervia Sprengel] - KWA, KTZ

Franseria (see **Ambrosia**)

Gaillardia X grandiflora Van Houtte - KTZ

[WJ - A hybrid perennial cultivar in gardens and in revegetation projects; usually identified as G. pulchella, which is an annual. Seen along highways and in Louisville Open Space (CO) where it disappears after a few years (usually with Linum perenne)]  
[G. aristata X G. pulchella] - KTZ

Gaillardia aristata Pursh - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

Gaillardia pinnatifida Torr. - FNA, HDH, IMF, SF!, UTF, W&W, E/W

[Gaillardia gracilis A. Nelson] - FNA  
[Gaillardia pinnatifida Torr. var. pinnatifida] - KTZ

Gaillardia pulchella Foug. - FNA, GPF, HDH, SFE, W&W

[Gaillardia pulchella Foug. var. pulchella] - KTZ, E

Gaillardia spathulata A. Gray - FNA, IMF, KTZ, SFW, UTF, W&W, W

∴ Galinsoga parviflora Cav. - GPF, HDH, KTZ, SFE, W&W, E

∴ Galinsoga quadriradiata Ruiz & Pav. - Dorn01, FNA, GPF, KTZ, SFE, W&W, E

[*Galinsoga ciliata* (Raf.) S. F. Blake] - HDH

**Gnaphalium** (see also **Pseudognaphalium**)

*Gnaphalium exilifolium* A. Nelson - Dorn01, FNA, HDH, IMF, UTF, E/W

[*Gnaphalium uliginosum* L.] - GPF, HDH, IMF, misapp., KTZ, SF!, UTF, W&W

*Gnaphalium palustre* Nutt. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Gnaphalium uliginosum* L. - FNA

[FNA: also in Europe but not clear whether all N. American material is introduced]

**Grindelia**

(Identification sources: \_\_\_\_\_)

[NS - FNA lumps some taxa typically recognized for our region under either *G. squarrosa* or especially under *G. hirsutula*. The latter name has not been used for our region lately. While the FNA treatment necessarily takes the continental-wide perspective and notes - probably correctly - that too many taxa have been recognized, I am hesitant to follow their treatment for our material until rigorous, population-based sampling has been carried out in our region (namely, population aggregation analysis {Davis92} or specimen aggregation analysis {Snow97, Snow03}). To their credit, Strother and Wetter in FNA 20: 432-434 explain in detail how the lumped taxa have been recognized previously. The taxonomy of *Grindelia* for the SRMR deserve a dissertation level study.]

*Grindelia acutifolia* Steyererm. - HDH, KTZ, W&W

*Grindelia aphanactis* Rydb. - IMF, M&H, SFE

*Grindelia arizonica* A. Gray - FNA

[*Grindelia arizonica* A. Gray var. *dentata* Steyererm.] - FNA

[*Grindelia arizonica* A. Gray var. *microphylla* Steyererm.] - FNA

[*Grindelia arizonica* A. Gray var. *neomexicana* (Wooton & Standl.) - FNA

[*Grindelia arizonica* A. Gray var. *stenophylla* Steyererm.] - HDH, KTZ, SFW, W&W, W

[*Grindelia laciniata* Rydb.] - FNA

[*Grindelia neomexicana* Wooton & Standl.] - FNA

[*Grindelia scabra* Greene var. *neomexicana* (Wooton & Standl.) Steyererm.] - FNA

*Grindelia ciliata* (Nutt.) Spreng. - FNA

[*Donia ciliata* Nutt.] - FNA

[*Prionopsis ciliata* (Nutt.) Nutt. - FNA, SF!, W&W, E/W

[*Grindelia papposa* G. L. Nesom & Suh] - FNA, KTZ

[*Haplopappus ciliatus* (Nutt.) DC.] - FNA, GPF, HDH

◆ *Grindelia decumbens* Greene var. *decumbens* - **ENDEMIC** <CO>, HDH, KTZ, W&W

[NS - FNA does not distinguish between varieties]

*Grindelia decumbens* Greene var. *subincisa* (Greene) Steyererm. - HDH, KTZ, SFE, W&W, E

*Grindelia fastigiata* Greene - HDH, IMF, KTZ, SFW, UTF, W&W, W

{*Grindelia hirsutula* Hook. & Arnott.} - FNA

{NS - see comments above regarding level of lumping}

◆ *Grindelia inornata* Greene var. *angusta* Steyererm. - **ENDEMIC** <CO>, HDH, KTZ,

[*Grindelia inornata* Greene] - W&W<sup>1</sup>

◆ *Grindelia inornata* Greene var. *inornata* - **ENDEMIC** <CO>, HDH, KTZ, E

[*Grindelia inornata* Greene] - GPF, SFE, W&W

*Grindelia laciniata* Rydb. - FCF, HDH, exp., KTZ <AZ, NM, UT>, W&W<sup>1</sup>, misid.

*Grindelia nana* Nutt. - FCF

[NS - probably subsp. *integerrima* (Rydb.) Steyermark

*Grindelia nuda* A. W. Wood var. *aphanactis* (Rydb.) G. L. Nesom - KTZ, E/W

[*Grindelia aphanactis* Rydb.] - HDH, IMF, SF!, UTF, W&W

*Grindelia nuda* A. W. Wood var. *nuda* - KTZ

[*Grindelia squarrosa* (Pursh) Dunal var. *nuda* (A. W. Wood) A. Gray] - GPF, HDH, W&W

*Grindelia revoluta* Steyer. - GPF, HDH, KTZ, SFE, W&W, E

*Grindelia squarrosa* (Pursh) Dunal var. *quasiperennis* Lunell - Dorn01, GPF, IMF, KTZ, SFW, W&W, W

[*Grindelia perennis* A. Nelson] - HDH

*Grindelia squarrosa* (Pursh) Dunal var. *squarrosa* - Dorn01, GPF, HDH, IMF, KTZ, UTF, W&W<sup>1</sup>, E/W

[*Grindelia squarrosa* (Pursh) Dunal] - SFE

[*Grindelia squarrosa* (Pursh) Dunal var. *serrulata* (Rydb.) Steyer.] - HDH, IMF, KTZ, SFW, UTF, W&W

*Grindelia subalpina* Greene - Dorn01, FNA, SFE, W&W, E

[*Grindelia erecta* A. Nelson] - FNA

[*Grindelia subalpina* Greene var. *erecta* (A. Nelson) Steyer.] - FNA, HDH, KTZ

[*Grindelia subalpina* Greene var. *subalpina*] - HDH, KTZ

*Grossheimia* (see **Centaurea**)

◆ *Gutierrezia elegans* Al Schneider & P. Lyon - Schneider08

*Gutierrezia microcephala* (DC.) A. Gray - FNA, IMF, KTZ, SFW, UTF, W&W, W

[*Gutierrezia lucida* Greene] - HDH

[*Gutierrezia sarothrae* (Pursh) Britton & Rusby var. *microcephala* (DC.) L. D. Benson] - HDH

[*Xanthocephalum microcephalum* (DC.) Shinnery] - KTZ

*Gutierrezia sarothrae* (Pursh) Britton & Rusby - Dorn01, FNA, GPF, KTZ, SF!, W&W, E/W

[*Gutierrezia lepidota* Greene] - HDH

[*Gutierrezia sarothrae* (Pursh) Britton & Rusby var. *sarothrae*] - HDH

[*Xanthocephalums sarothrae* (Pursh) Shinnery] - FNA

*Haploësthes greggii* A. Gray var. *texana* (J. M. Coult.) I. M. Johnst. - FNA, GPF, KTZ

[*Haploësthes greggii* A. Gray] - HDH rep., W&W, W&W<sup>1</sup>, err. rep.

[*Haplopappus texanus* J. M. Coult. {as *Aplopappus*}] - FNA

*Haplopappus* (see **Ericameria, Haploësthes, Isocoma, Machaeranthera, Oönopsis, Prionopsis, Pyrrocoma, Rayjacksonia, Solidago, Stenotus, Tonestus**; Lane96, FNA Vol. 20)

*Helenium autumnale* L. - FNA, GPF, HDH

[*Helenium autumnale* L. var. *montanum* (Nutt.) Fernald] - Dorn01, IMF, KTZ, SF!, W&W, E/W

*Helenium microcephalum* DC. var. *microcephalum* - FNA, KTZ

[*Helenium microcephalum* DC]. -SFE, W&W<sup>1</sup>, E

*Helianthella microcephala* (A. Gray) A. Gray - FNA, HDH, IMF, KTZ, SFW, UTF, W&W, W

[*Encelia microcephala* A. Gray] - FNA

*Helianthella parryi* A. Gray - FNA, HDH, KTZ, SF!, W&W, E/W

*Helianthella quinquenervis* (Hook.) A. Gray - Dorn01, FNA, GPF, HDH, KTZ, SF!, W&W, E/W

[*Helianthus quinquenervis* Hook.] - FNA

*Helianthella uniflora* (Nutt.) Torr. & A. Gray - Dorn01, FNA, HDH, SF!, UTF, W&W

[*Helianthella uniflora* (Nutt.) Torr. & A. Gray var. *uniflora*] - IMF, KTZ, E/W

*Helianthus*

(Identification sources: \_\_\_\_\_)

- Helianthus annuus* L. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, W&W, E/W  
[*Helianthus annuus* L. subsp. *lenticularis* (Douglas) Cockerell] - UTF
- Δ *Helianthus ciliaris* DC. - FNA, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E  
{*Helianthus grosseserratus* M. Martens} - KTZ <KS, NE, OK>, W&W, misid.  
{*Helianthus grosse-serratus* M. Martens} - HDH, exp.
- Helianthus maximilianii* Schrad. - Dorn01, FNA, GPF, HDH, KTZ, SFE, W&W<sup>1</sup>, E
- Helianthus nuttallii* Torr. & A. Gray subsp. *nuttallii* - FNA, GPF, KTZ  
[*Helianthus nuttallii* Torr. & A. Gray] - FNA, HDH, IMF, SF!, UTF, W&W, E/W  
[*Helianthus nuttallii* Torr. & A. Gray subsp. *rydbergii* (Britton) R. W. Long] - GPF, KTZ
- Helianthus nuttallii* Torr. & A. Gray subsp. *rydbergii* - Dorn01, FNA  
[*Helianthus rydbergii* Britton] - FNA
- {*Helianthus X orgyaloides* Cockerell} - KTZ  
{*Helianthus maximiliani* X *H. salicifolius*} - KTZ
- Helianthus pauciflorus* Nutt. subsp. *subrhomboideus* (Rydb.) O. Spring & E. Schilling - FNA, KTZ  
[*Helianthus pauciflorus* Nutt. subsp. *subrhomboideus* (Rydb.) Cronquist] - KTZ  
[*Helianthus rigidus* (Cass.) Desf.] - HDH  
[*Helianthus rigidus* (Cass.) Desf. subsp. *subrhomboideus* (Rydb.) Heiser] - GPF, W&W  
[*Helianthus rigidus* (Cass.) Desf. var. *subrhomboideus* (Rydb.) Cronquist] - Dorn01, E/W  
[*Helianthus rigidus* (Cass.) Desf. var. *subrhomboideus* (Rydb.) Heiser] - SF!
- Helianthus petiolaris* Nutt. var. *fallax* (Heiser) B. L. Turner  
[*Helianthus petiolaris* Nutt. subsp. *fallax* Heiser] - FNA, IMF, KTZ, UTF
- Helianthus petiolaris* Nutt. var. *petiolaris* - E/W  
[*Helianthus petiolaris* Nutt.] - Dorn01, GPF, HDH, SF!, W&W  
[*Helianthus petiolaris* Nutt. subsp. *petiolaris*] - FNA, IMF, KTZ
- Helianthus pumilus* Nutt. - FNA, GPF, HDH, KTZ, SFE, W&W, E  
{*Helianthus salicifolius* A. Dietr.} - HDH rep., KTZ <KS, OK>, W&W, err. rep.
- Δ *Helianthus tuberosus* L. - FNA, GPF, HDH, IMF, KTZ, SF!, W&W, E/W  
[*Helianthus tomentosus* Michx.] - FNA  
[*Helianthus tuberosus* Nutt.] - UTF  
[*Helianthus tuberosus* Nutt. var. *subcanescens* A. Gray] - FNA
- Heliomeris longifolia* (B. L. Rob. & Greenman) Cockerell var. *longifolia* - FNA  
[*Gymnolomia annua* B.L. Rob. & Greenman]  
[*Gymnolomia longifolia* B. L. Rob. & Greenman] - M&H  
[*Gymnolomia multiflora* (Nuttall) Benth. & Hooker var. *annua* M.E. Jones]  
[*Heliomeris longifolia* Robins. & Greenman] - KWA  
[*Heliomeris longifolia* Cockerell] - IPNI  
[*Viguiera longifolia* (B.L. Rob. & J.L. Greenman) Blake var. *annua* (M.E. Jones) Welsh] - FNA, KWA
- Heliomeris multiflora* Nutt. var. *multiflora* - FNA, KTZ, SF!  
[*Heliomeris multiflora* Nutt.] - SF!, W&W  
[*Viguiera multiflora* (Nutt.) S. F. Blake var. *multiflora*] - IMF, UTF, E/W  
[*Viguiera multiflora* (Nutt.) S. F. Blake] - Dorn01, HDH
- Heliomeris multiflora* Nutt. var. *nevadensis* (A. Nelson) Yates - FNA, KTZ, SFW  
[*Heliomeris multiflora* Nutt.] - SFW, W&W  
[*Viguiera multiflora* (Nutt.) S. F. Blake] - HDH  
[*Viguiera multiflora* (Nutt.) S. F. Blake var. *nevadensis* (A. Nelson) S. F. Blake] - IMF, UTF, W
- Heliopsis helianthoides* (L.) Sweet var. *occidentalis* (T. R. Fisher) Steyererm. - KTZ

[NS - present in San Miguel Co, NM]

*Heliopsis helianthoides* (L.) Sweet var. *scabra* (Dunal) Fernald - FNA, GPF, SFE, W&W, E  
[*Heliopsis scabra* Dunal] - HDH

*Herrickia glauca* (Nutt.) Brouillet var. *glauca* - FNA

[*Aster glaucodes* S. F. Blake] - IMF

[*Aster glaucodes* S. F. Blake var. *formosus* (Greene) Kittell] - HDH rep.,

[*Aster glaucodes* S. F. Blake var. *glaucodes*] - HDH, UTF, E/W

[*Eucephalus glaucus* Nutt.] - SF!, W&W

[*Eurybia glauca* (Nutt.) G. L. Nesom] - KTZ, W&W<sup>1</sup>

*Herrickia horrida* Wooton & Standl. - FNA, SFE, W&W, E

[*Aster horridus* (Wooton & Standl.) S. F. Blake] - HDH, exp.

[*Eurybia horrida* (Wooton & Standl.) G. L. Nesom] - KTZ, W&W<sup>1</sup>

Δ *Heterosperma pinnatum* Cav. - FNA, KTZ, SFE, W&W<sup>1</sup>, E

Heterotheca

(Identification sources: \_\_\_\_\_)

*Heterotheca canescens* (DC.) Shinnery - FNA, KTZ <KS, NM, OK>, SFE, W&W, W&W<sup>1</sup>,  
Semple96, E

[*Chrysopsis canescens* (DC.) Torr. & Gray] - GPF

*Heterotheca fulcrata* (Greene) Shinnery var. *amplifolia* (Rydb.) Semple - FNA, KTZ, W&W<sup>1</sup>,  
Semple96

[*Chrysopsis amplifolia* Rydb.] - FNA

[*Chrysopsis foliosa* Nutt.] - HDH

[*Chrysopsis foliosa* Nutt. var. *amplifolia* (Rydb.) A. Nelson] - FNA

[*Chrysopsis nitidula* Wooton & Standl.] - FNA

[*Heterotheca fulcrata* (Greene) Shinnery] - W&W

*Heterotheca fulcrata* (Greene) Shinnery var. *fulcrata* - FNA, KTZ, W&W<sup>1</sup>, Semple96

[*Chrysopsis cryptocephala* Wooton & Standl.] - FNA

[*Chrysopsis elata* Osterh.] - FNA

[*Chrysopsis fulcrata* Greene] - Dorn01, GPF, HDH

[*Chrysopsis resinolens* A. Nelson] - FNA

[*Chrysopsis resinolens* A. Nelson var. *ciliata* A. Nelson] - FNA

[*Chrysopsis resinolens* A. Nelson subsp. *ciliata* (A. Nelson) S. F. Blake] - FNA

[*Heterotheca fulcrata* (Greene) Shinnery] - W&W

*Heterotheca latifolia* Buckley - E

*Heterotheca pumila* (Greene) Semple - Dorn01, FNA, KTZ, SF!, W&W, E/W, Semple96

*Heterotheca stenophylla* (A. Gray) Shinnery var. *angustifolia* (Rydb.) Semple - FNA, KTZ,  
Semple96

[*Chrysopsis angustifolia* Rydb.] - FNA

[*Chrysopsis villosa* (Pursh) Nutt. ex DC. var. *angustifolia* (Rydb.) Cronquist] - FNA

[*Heterotheca villosa* (Pursh) Shinnery var. *angustifolia* (Rydb.) V. L. Harms] - FNA

*Heterotheca stenophylla* (A. Gray) Shinnery var. *stenophylla* - FNA, KTZ, Semple96

[*Chrysopsis stenophylla* (A. Gray) Shinnery] - GPF

*Heterotheca subaxillaris* (Lam.) Britton & Rusby - IMF, KTZ, E

[*Heterotheca latifolia* Buckley] - GPF, SFE, W&W

[*Heterotheca latifolia* Buckley var. *macgregoris* B. Wagenkn.]

[*Heterotheca subaxillaris* (Lam.) Britton & Rusby subsp. *latifolia* (Buckley) Semple] - FNA

- Heterotheca villosa* (Pursh) Shinners var. *ballardii* (Rydb.) Semple - FNA  
 [Chrysopsis ballardii Rydb.] - FNA
- Heterotheca villosa* (Pursh) Shinners var. *foliosa* (Nutt.) Harms - FNA, KTZ, UTF, W&W<sup>1</sup>,  
 Semple96, E  
 [Chrysopsis foliosa Nutt.] - HDH  
 [Chrysopsis villosa (Pursh) Nutt. var. *foliosa* (Nutt.) DC.] - GPF  
 [Heterotheca foliosa (Nutt.) Shinners] - SFE, W&W<sup>1</sup>
- Heterotheca villosa* (Pursh) Shinners var. *minor* (Hook.) Semple - Dorn01, FNA, KTZ, W&W<sup>1</sup>,  
 Semple96, E/W  
 [NS - additional synonymy FNA 20: 252]  
 [Chrysopsis hispida (Hook.) DC.] - HDH  
 [Chrysopsis villosa (Pursh) Nutt. ex DC.] - HDH  
 [Chrysopsis villosa (Pursh) Nutt. var. *hispida* (Hook.) A. Gray] - GPF  
 [Chrysopsis villosa (Pursh) Nutt. ex DC. var. *hispida* (Hook.) A. Gray] - IMF  
 [Heterotheca villosa (Pursh) Nutt.] - SF!  
 [Heterotheca villosa (Pursh) Shinners var. *hispida* (Hook.) Harms] - UTF, W&W
- Heterotheca villosa* (Pursh) Shinners var. *nana* (A. Gray) Semple - Dorn01, FNA, KTZ,  
 Semple96, E/W  
 [Chrysopsis canescens (DC.) Torr. & A> Gray var. *nana* A. Gray] - FNA  
 [Chrysopsis horrida Rydb.] - FNA  
 [Heterotheca horrida (Rydb.) Harms] - RMC  
 [Heterotheca villosa (Pursh) Nutt.] - SF!  
 [Heterotheca villosa (Pursh) Shinners var. *horrida* (Hook.) Semple] - KTZ
- Heterotheca villosa* (Pursh) Shinners var. *pedunculata* (Greene) Harms ex Semple - FNA, KTZ,  
 W&W, Semple96, E/W  
 [Chrysopsis pedunculata Greene] - FNA  
 [Heterotheca villosa (Pursh) Nutt.] - SF!
- Heterotheca villosa* (Pursh) Shinners var. *scabra* (Eastw.) Semple - KTZ, Semple96, E/W  
 [Heterotheca villosa (Pursh) Nutt.] - SF!
- Heterotheca villosa* (Pursh) Shinners var. *villosa* - Dorn01, FNA, KTZ, W&W, Semple96, E/W  
 [Chrysopsis mollis Nutt.] - FNA  
 [Chrysopsis villosa (Pursh) Nutt. ex DC.] - HDH  
 [Chrysopsis villosa (Pursh) Nutt. var. *villosa*] - GPF  
 [Chrysopsis viscida (A. Gray) Greene] - HDH, W&W<sup>1</sup>  
 [Heterotheca villosa (Pursh) Nutt.] - SF!
- Heterotheca zionensis* Semple - FNA, KTZ, UTF, Semple96
- Hieracium albiflorum* Hook. - Dorn01, FNA, GPF, HDH, IMF, KTZ, UTF, E/W  
 [Chlorocrepis albiflora (Hook.) W. A. Weber] - SF!, W&W
- ∴ *Hieracium aurantiacum* L. - Dorn01, FNA, KTZ, SFE, W&W, E
- Hieracium fendleri* Sch. Bip. var. *fendleri* - FNA, KTZ, E/W  
 [Chlorocrepis fendleri (Sch. Bip.) W. A. Weber] - SF!, W&W  
 [Hieracium fendleri Sch. Bip.] - HDH, IMF, UTF
- Hieracium triste* Willd. ex Spreng. - Dorn01, FNA  
 [Chlorocrepis tristis (Willd.) A. Löve & D. Löve subsp. *gracilis* (Hook.) W. A. Weber] - SF!  
 [Chlorocrepis tristis (Willd. ex Spreng.) A. Löve & D. Löve subsp. *gracilis* (Hook.) W. A. Weber] - W&W  
 [Hieracium gracile Hook.] - HDH, UTF  
 [Hieracium gracile Hook. var. *detonsum* (A. Gray) A. Gray] - KTZ  
 [Hieracium gracile Hook. var. *gracile*] - KTZ, E/W  
 [Hieracium triste Willd. ex Spreng. var. *gracile* (Hook.) A. Gray] - IMF
- Hieracium umbellatum* L. - Dorn01, FNA, GPF, KTZ  
 [NS - see FNA Vol. 19: 287 for additional synonymy]  
 [Hieracium umbellatum L. var. *scabriusculum* Farw.] - RMC



## Hymenopappus

(Identification sources: \_\_\_\_\_)

Hymenopappus filifolius Hook. var. cinereus (Rydb.) I. M. Johnst. - FNA, GPF, IMF, KTZ, SF!, UTF, W&W, E/W

[Hymenopappus arenosus A. Heller] - HDH

[Hymenopappus cinereus Rydb.] - HDH

[Hymenopappus filifolius Hook.] - HDH

{Hymenopappus filifolius Hook. var. lugens (Greene) Jeps.} - FNA, IMF, KTZ, W&W, err. rep.

{Hymenopappus filifolius Hook.} - HDH

{Hymenopappus filifolius Hook. var. cinereus (Rydb.) I. M. Johnst.} - UTF, W&W<sup>1</sup>

{Hymenopappus lugens Greene} - HDH

{Hymenopappus filifolius Hook. var. lugens (Greene) B. L. Turner}

Hymenopappus filifolius Hook. var. luteus (Nutt.) B. L. Turner - Dorn01, FNA, IMF, KTZ, SFW, UTF, W&W, W

[Hymenopappus luteus Nutt.] - HDH

[Hymenopappus filifolius Hook.] - HDH

Hymenopappus filifolius Hook. var. megacephalus B. L. Turner - Dorn01, FNA, IMF, KTZ, SFW, W&W, W

[Hymenopappus filifolius Hook.] - HDH

[Hymenopappus filifolius Hook. var. cinereus (Rydb.) I. M. Johnst.] - UTF

Hymenopappus filifolius Hook. var. nudipes (Maguire) B. L. Turner - Dorn01, FNA

[Hymenopappus filifolius Hook. var. alpestris (Maguire) Shinners] - KTZ

◆ Hymenopappus filifolius Hook. var. parvulus (Greene) B. L. Turner - **ENDEMIC** <CO> , FNA, KTZ, SF!, W&W, E/W

[Hymenopappus filifolius Hook.] - HDH

Hymenopappus filifolius Hook. var. pauciflorus (I. M. Johnst.) B. L. Turner - FNA, IMF, KTZ, W&W

[Hymenopappus filifolius Hook.] - HDH

[Hymenopappus filifolius Hook. var. cinereus (Rydb.) I. M. Johnst.] - UTF

Hymenopappus filifolius Hook. var. polycephalus (Osterh.) B. L. Turner - FNA, GPF, KTZ, SFE, W&W

[Hymenopappus polycephalus Osterh.] - Dorn01, E

[Hymenopappus cinereus Rydb.] - HDH

Hymenopappus flavescens A. Gray var. flavescens - FNA, GPF, KTZ, E

[Hymenopappus flavescens A. Gray] - SFE, W&W

◆ Hymenopappus newberryi (A. Gray) I. M. Johnst. - **ENDEMIC** <CO, NM>, FNA, KTZ, SF!, W&W, E/W

[Leucampyx newberryi A. Gray] - HDH

{Hymenopappus scabiosaeus L'Hér.} - W&W, err. rep.

{Hymenopappus corymbosus Torr. & A. Gray} - HDH, rep.

{Hymenopappus scabiosaeus L'Hér. var. corymbosus (Torr. & A. Gray) B. L. Turner} - KTZ <KS, NE, OK>

Hymenopappus tenuifolius Pursh - FNA, GPF, HDH, KTZ, SFE, W&W, E

## Hymenoxys (see also **Tetraneuris**)

Hymenoxys brandegeei (Porter ex A. Gray) K. F. Parker - FNA, HDH, M&H

[Actinea brandegeei (Porter) Rydb.] - M&H

[Actinella brandegeei Porter] - M&H

[Rydbergia brandegeei (Porter) Rydb.] - SF!, W&W

[*Tetraneuris brandegeei* (Porter ex A. Gray) Parker] - JM, KWA, KTZ, E/W  
*Hymenoxys grandiflora* (Torr. & A. Gray) Parker - Dorn01, FNA, HDH, UTF  
 [Tetraneuris grandiflora (Torr. & A. Gray ex A. Gray) Parker] - KTZ, E/W  
 [Hymenoxys grandiflora (Torr. & A. Gray ex A. Gray) Parker] – IMF  
 [Rydbergia grandiflora (Torr. & A. Gray) Greene] - SF!, W&W  
*Hymenoxys helenioides* (Rydb.) Cockerell - FNA, HDH, IMF, KTZ, UTF  
 [Hymenoxys X helenioides (Rydb.) Cockerell] - Anderson96, E/W  
 [Hymenoxys richardsonii X H. hoopesii] - Anderson96  
 [Picradenia helenioides Rydb.] - SF!, W&W  
*Hymenoxys hoopesii* (A. Gray) Bierner - Dorn01, FNA, KTZ, E/W  
 [Dugaldia hoopesii (A. Gray) Rydb.] - SF!, W&W  
 [Helenium hoopesii A. Gray] - HDH, IMF, UTF  
*Hymenoxys odorata* DC. - FNA, GPF, HDH, KTZ, E  
 [Picradenia odorata (DC.) Britton] - SFE, W&W  
*Hymenoxys richardsonii* (Hook.) Cockerell var. *floribunda* (A. Gray) Parker - Dorn01, FNA, GPF, HDH, IMF, KTZ, UTF, E/W  
 [Actinella richardsonii (Hook.) var. *floribunda* A. Gray] - FNA  
 [Picradenia richardsonii Hook.] - W&W  
 [Picradenia richardsonii Hook. subsp. *floribunda* (A. Gray) W. A. Weber] - W&W<sup>1</sup>, SFW  
 [Picradenia richardsonii Hook. var. *floribunda* (A. Gray) W. A. Weber] - SFE  
*Hymenoxys richardsonii* (Hook.) Cockerell var. *richardsonii* - Dorn01, FNA, GPF, HDH, IMF, KTZ, UTF, E/W  
 [Picradenia richardsonii Hook.] - W&W  
 [Picradenia richardsonii Hook. subsp. *richardsonii*] - SF!, W&W<sup>1</sup>  
 [Picradenia richardsonii Hook. var. *richardsonii*] – KTZ

∴ *Hypochaeris radicata* L. - FNA, HDH, IMF, KTZ, SFE, UTF, W&W, E

*Isocoma rusbyi* Greene - KTZ, Nesom91, W  
 [Haplopappus drummondii (Torr. & A. Gray) S. F. Blake] - HDH rep., IMF, UTF  
 [Haplopappus heterophyllus (A. Gray) S. F. Blake] - GPF  
 [Haplopappus pluriflorus (A. Gray) H. M. Hall] - HDH, rep.  
 [Haplopappus pluriflorus (Torr. & A. Gray) H. M. Hall]  
 [Haplopappus rusbyi (Greene) Cronquist] - IMF  
 [Isocoma drummondii (Torr. & A. Gray) Greene] - SFW, W&W  
 [Isocoma pluriflora (Torr. & A. Gray) Greene] - W&W, W&W<sup>1</sup>

*Iva* (see also **Cyclachaena**, **Oxytenia**)

*Iva annua* L. - FNA, GPF, W&W, err. rep.

[*Iva annua* L. var. *annua*] - KTZ

*Iva axillaris* Pursh - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, W&W, E/W

[*Iva axillaris* L.] - UTF

[*Iva axillaris* Pursh var. *axillaris*] - Dorn01

[*Iva axillaris* Pursh var. *robustior* Hook.] - Dorn01

*Jacea* (see **Centaurea**)

*Krigia biflora* (Walter) S. F. Blake - FNA, GPF, HDH, SFE, W&W

[*Krigia biflora* (Walter) S. F. Blake var. *biflora*] - KTZ, E

*Kuhnia* (see **Brickellia**)

Δ *Lactuca biennis* (Moench) Fernald - Dorn01, Hartman06, FCF, FNA, GPF, IMF, KTZ, SF!, W&W, E/W

[*Lactuca spicata* (Lam.) Hitchc.] - HDH

[*Sonchus biennis* Moench] - FNA

*Lactuca canadensis* L.] - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W

[*Lactuca canadensis* L. var. *longifolia* (Michx.) Farw.] - E/W

*Lactuca graminifolia* Michx.] - FNA, HDH, SFW, W&W

[*Lactuca graminifolia* Michx. var. *graminifolia*] - W

[*Lactuca graminifolia* Michx. var. *arizonica* McVaugh] - KTZ

*Lactuca ludoviciana* (Nutt.) Riddell - Dorn01, FNA, GPF, IMF, KTZ, SFE, UTF, W&W, E

[*Lactuca ludoviciana* (Nutt.) DC.] - HDH

[*Sonchus ludoviciana* Nutt.] - FNA

∴ *Lactuca serriola* L. - Dorn01, FNA, GPF, IMF, KTZ, SF!, UTF, W&W, E/W

[*Lactuca scariola* L. var. *integrata* Grenier & Godron] - HDH, orthography

[*Lactuca scariola* L. var. *scariola*] - HDH, orthography

*Laennecia coulteri* (A. Gray) G. L. Nesom - FNA, KTZ, E/W

[*Conyza coulteri* A. Gray] - HDH, IMF, SF!, UTF, W&W

*Laennecia schiedeana* (Less.) G. L. Nesom - FNA, KTZ, E/W

[*Conyza schiedeana* (Less.) Cronquist] - HDH, IMF, SF!, W&W

[*Erigeronschiedeana* Less.] - FNA

∴ *Lapsana communis* L. - FNA, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E

*Lepidotheca* (see **Matricaria**)

*Leucancantha* (see **Centaurea**)

*Leucanthemum* (see **Chrysanthemum**)

*Leucelene* (see **Chaetopappa**)

*Leucampyx* (see **Hymenopappus**)

{*Liatris aspera* Michx.} W&W, err. rep.

{*Liatris aspera* Michx. var. *aspera*} - KTZ <KS, NE, OK>

*Liatris lancifolia* (Greene) Kittell - Dorn01, FNA, GPF, HDH, KTZ, SFE, W&W, E

[*Lacinaria lancifolia* Greene] - FNA

[*Liatris kansana* (Britt.) Rydb.] - FNA

*Liatris ligulistylis* (A. Nelson) K. Schum. - Dorn01, FNA, GPF, HDH, KTZ, SF!, W&W, E/W

[*Lacinaria lligulistylis* A. Nelson] - FNA

*Liatris punctata* Hook. var. *punctata* - FNA, KTZ

[*Liatris punctata* Hook.] - Dorn01, GPF, HDH, SF!, W&W, E/W

[*Liatris punctata* Hook. var. *nebraskana* Gaiser] - KTZ

*Liatris squarrosa* (L.) Michx. var. *glabrata* (Rydb.) Gaiser - FNA, GPF, KTZ, SFE, W&W, E

[*Liatris squarrosa* (L.) Michx. var. *glabrata* (Rydb.) F. C. Gates]

[*Liatris squarrosa* (L.) Michx.] - HDH

*Leibnitzia lyrata* (Schultz-Bipontinus) G. L. Nesom - Kartesz (pers. comm. 2008)

[NS - Legler {pers. comm 2009} reports 2 collections from Colfax Co., NM]

Ligularia (see **Packera, Senecio**)

Logfia arvensis (L.) Holub - Dorn01, FNA  
[Filago arvensis L.] - Dorn01, KTZ

Lorandersonia baileyi (Wooton & Standl.) Urbatsch, R. P. Roberts & Neubig - FNA  
[Chrysothamnus baileyi Wooton & Standl.] - KTZ  
[Chrysothamnus pulchellus (A. Gray) Greene subsp. baileyi (Wooton & Standl.) H. M. Hall & Clem.] - KWA,  
GPF, HDH, SFE, W&W

[Chrysothamnus pulchellus (A. Gray) Greene var. baileyi (Wooton & Standl.) S. F. Blake - IMF, UTF, E

Lorandersonia linifolia (Greene) Urbatsch, R. P. Roberts & Neubig - FNA

[Chrysothamnus linifolius Greene] - Dorn01, IMF, KTZ, SFW, UTF, W&W, W

[Chrysothamnus viscidiflorus (Hook.) Nutt. subsp. linifolius (Greene) H. M. Hall & Clem.] - HDH

◆ Lorandersonia microcephala (Cronquist) Urbatsch, R. P. Roberts & Neubig - **ENDEMIC**  
<CO, NM>, FNA

[Haplopappus microcephalus Cronquist] - KTZ

[Tonestus microcephalus (Cronquist) G.L. Nesom & D. Morgan] - KTZ

Lygodesmia (see also **Prenanthes, Shinnersoseris**)

(Identification sources: \_\_\_\_\_)

Lygodesmia grandiflora (Nutt.) Torr. & A. Gray var. arizonica (Tomb) S. L. Welsh - FNA, IMF,  
UTF

[Lygodesmia arizonica S. Tomb] - KTZ, SFW, W&W, W

Lygodesmia grandiflora (Nutt.) Torr. & A. Gray var. dianthopsis (D. C. Eat.) S. L. Welsh - FNA,  
IMF

[Lygodesmia dianthopsis D. C. Eat) Tomb] - FNA

[Lygodesmia juncea (Pursh) D. Don ex Hook. var. dianthopsis D. C. Eat. in S. Wats.] - FNA

◆ Lygodesmia grandiflora (Nutt.) Torr. & A. Gray var. doloresensis (Tomb) S. L. Welsh - FNA,  
UTF

[Lygodesmia doloresensis Tomb.] - FNA

Lygodesmia grandiflora (Nutt.) Torr. & A. Gray var. grandiflora - FNA, IMF, UTF

[Lygodesmia grandiflora (Nutt.) Torr. & A. Gray var. stricta Maguire] - FNA

Lygodesmia juncea (Pursh) D. Don ex Hook. - Dorn01, FNA, IMF, KTZ, E/W

[Lygodesmia juncea (Pursh) Hook.] - GPF

[Lygodesmia juncea (Pursh) D. Don] - HDH, SF!, UTF, W&W

Machaeranthera (see also **Arida, Dieteria, Rayjacksonia, Xanthisma, Xylorhiza**)

(Identification sources: \_\_\_\_\_)

Machaeranthera canescens (Pursh) A. Gray var. ambigua B. L. Turner - IMF, W&W, E/W

[Machaeranthera canescens (Pursh) A. Gray] - GPF, SF!

[Machaeranthera canescens (Pursh) A. Gray subsp. canescens var. ambigua B. L. Turner] - KTZ

Machaeranthera canescens (Pursh) A. Gray var. aristata (Eastw.) B. L. Turner - UTF, W&W,  
E/W

[Machaeranthera canescens (Pursh) A. Gray] - GPF, SF!

- [*Machaeranthera canescens* (Pursh) A. Gray subsp. *glabra* (A. Gray) B. L. Turner var. *aristata* (Eastw.) B. L. Turner] - KTZ  
 [*Machaeranthera rigida* Greene] - IMF  
*Machaeranthera canescens* (Pursh) A. Gray var. *canescens* - Dorn01, IMF, UTF, W&W, E/W  
 [*Aster canescens* Pursh] - HDH  
 [*Aster rubrotinctus* S. F. Blake] - HDH  
 [*Machaeranthera canescens* (Pursh) A. Gray] - GPF, SF!  
 [*Machaeranthera canescens* (Pursh) A. Gray subsp. *canescens* var. *canescens*] - KTZ  
 [*Machaeranthera canescens* (Pursh) A. Gray var. *latifolia* (A. Nels.) S. L. Welsh] - UTF  
 [*Machaeranthera linearis* Greene] - GPF  
*Machaeranthera canescens* (Pursh) A. Gray var. *glabra* A. Gray - Dorn01, W&W, E/W  
 [*Machaeranthera canescens* (Pursh) A. Gray] - GPF, SF!  
 [*Machaeranthera canescens* (Pursh) A. Gray subsp. *glabra* (A. Gray) B. L. Turner var. *glabra* A. Gray] - KTZ  
 [*Machaeranthera linearis* Greene] - IMF  
*Machaeranthera gracilis* (Nutt.) Shinnery - KTZ, SFW, W&W, W  
 [*Haplopappus gracilis* (Nutt.) A. Gray] - HDH, IMF, UTF  
 {*Machaeranthera leucanthemifolia* (Greene) Greene} - HDH, W&W, err. rep.  
 {*Aster leucanthemifolius* Greene} - HDH  
 {*Machaeranthera canescens* (Pursh) A. Gray var. *canescens*} - W&W<sup>1</sup>  
 {*Machaeranthera canescens* (Pursh) A. Gray subsp. *canescens* var. *leucanthemifolia* (Greene) S. L. Welsh} - KTZ <UT>  
*Machaeranthera parviflora* A. Gray - IMF, KTZ, SF!, UTF, W&W, E/W  
 [*Aster parvulus* S. F. Blake] - HDH  
*Machaeranthera tanacetifolia* (Kunth) Nees - Dorn01, FNA, GPF, KTZ, SF!, W&W, E/W  
 [*Aster tanacetifolius* Kunth] - FNA, HDH  
 [*Machaeranthera coronopifolia* (Nutt.) A. Nelson] - KTZ

### Macronema (see **Ericameria**)

Δ *Madia glomerata* Hook. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

- Malacothrix sonchoides* (Nutt.) Torr. & A. Gray - Dorn01, FNA, IMF, KTZ, SFW, W&W, W  
 [*Malacothrix sonchoides* (Nutt.) Torr. & A. Gray var. *sonchoides*] - HDH  
*Malacothrix torreyi* A. Gray - Dorn01, FNA, IMF, KTZ, SFW, UTF, W&W, W  
 [*Malacothrix sonchoides* (Nutt.) Torr. & A. Gray var. *torreyi* A. Gray] - HDH

### Matricaria

[NS - generic boundaries have been unstable]

*Matricaria maritima* L. - Dorn01

- ∴ *Matricaria matricarioides* (Less.) Porter - Dorn01, GPF, HDH, IMF, E/W  
 [*Chamomilla suaveolens* (Pursh) Rydb.]  
 [*Lepidotheca suaveolens* Nutt.] - SF!, W&W  
 [*Lepidotheca suaveolens* (Pursh) Nutt.] - W&W<sup>1</sup>  
 [*Matricaria discoidea* DC.] - FNA, KTZ  
 ∴ *Matricaria perforata* Merat - KTZ, SF!, W&W, E/W  
 [*Matricaria inodora* L.] - HDH  
 [*Matricaria maritima* L.] - GPF, UTF  
 [*Matricaria maritima* L. var. *inodora* (L.) Soó] - IMF  
 [*Tripleurospermum inodorum* (L.) Sch. Bip.] - FNA  
 [*Tripleurospermum perforata* (Merat) M. Lainz] - KTZ

*Matricaria recutita* L. - Dorn01

[*Chamomilla chamomilla* (L.) Rydb.] - KTZ  
[*Chamomilla reticulata* (L.) Rauschert] - KTZ  
[*Matricaria chamomilla* L. 1755 & 1763, non 1753] - KTZ  
[*Matricaria chamomilla* L. 1753] - FNA  
[*Matricaria chamomilla* var. *coronata* (J. Gay) Coss. & Germ.] - KTZ  
[*Matricaria suaveolens* L.]

{*Melampodium cinereum* DC.} - HDH, KTZ, W&W  
*Melampodium leucanthum* Torr. & A. Gray - FNA, GPF, HDH, KTZ, SFE, W&W, E  
[*Melampodium strigosum* Stuessy] - W&W  
*Melampodium strigosum* Stuessy - FNA

*Microseris nutans* (Hook.) Sch. Bip. - Dorn01, FNA, GPF, IMF, KTZ, E/W  
[*Microseris nutans* (Geyer) Sch. Bip.] - SF!, UTF  
[*Microseris nutans* (Hook.) Sch. Bip. subsp. *nutans*]  
[*Microseris nutans* (Geyer ex Hook.) Sch. Bip.] - W&W  
[*Ptilocalais nutans* (Geyer) Greene] - HDH

*Mulgedium pulchellum* (Pursh) G. Don in R. Sweet - FNA  
[*Lactuca oblongifolia* Nutt. - GPF, E/W] - Dorn01  
[*Lactuca pulchella* (Pursh) DC.] - HDH, IMF  
[*Lactuca tatarica* (L.) C. A. Mey. var. *pulchella* (Pursh) Breitung] - KTZ  
[*Lactuca tatarica* (L.) C. A. Mey. subsp. *pulchella* (Pursh) Stebbins] - SF!, UTF, W&W  
[*Sonchus pulchellus* Pursh] - FNA

*Nothocalais cuspidata* (Pursh) Greene - Dorn01, FNA, HDH, KTZ, SFE, W&W, E  
[*Microseris cuspidata* (Pursh) Sch. Bip.] - GPF  
*Nothocalais nigrescens* (Henderson) Heller - Dorn01

Oligoneuron (see **Solidago**)

Oligosporus (see **Artemisia**)

∴ *Onopordum acanthium* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
[*Onopordum acanthium* L. subsp. *acanthium*] - FNA  
∴ *Onopordum tauricum* Willd. - GPF, FNA, HDH, KTZ, W&W, E  
[*Onopordum tauricum* L.] - SFE

*Oönoopsis engelmannii* (A. Gray) Greene - KTZ, SFE, W&W, E  
[*Bigelovia engelmannii* A. Gray] - FNA  
[*Haplopappus engelmannii* (A. Gray) H. M. Hall] - FNA, GPF, HDH  
*Oönoopsis foliosa* (A. Gray) Greene var. *foliosa* - FNA, KTZ, E  
[*Haplopappus fremontii* A. Gray] - FNA  
[*Haplopappus fremontii* A. Gray subsp. *fremontii*] - GPF, HDH  
[*Oönoopsis foliosa* (A. Gray) Greene] - SFE, W&W

◆ *Oönoopsis foliosa* (A. Gray) Greene var. *monocephala* (A. Nelson) Kartesz & Gandhi  
**ENDEMIC** <CO>, FNA, KTZ, E  
[*Haplopappus fremontii* A. Gray subsp. *monocephalus* (A. Nelson) H. M. Hall] - HDH  
[*Oönoopsis foliosa* (A. Gray) Greene] - SFE, W&W  
[*Pyrrocoma foliosa* A. Gray] - FNA

*Oönoopsis multicaulis* (Nutt.) Greene - Dorn01, FNA, KTZ

[*Oönoptis argillacea* A. Nelson] - FNA  
[*Haplopappus multicaulis* (Nutt.) Gray] - FNA  
[*Stenotus multicaulis* Nutt.] - FNA

◆ *Oönoptis* sp. nov., G. K. Brown & T. Evans ined. - **ENDEMIC** <CO>

*Oönoptis wardii* (Gray) Greene - , Dorn01FNA

[*Haplopappus fremontii* subsp. *wardii* (Gray) Hall] - FNA, KTZ  
[*Haplopappus fremontii* var. *wardii* A. Gray in A. Gray et al. {as *Aplopappus fremonti* var. *wardi*}] - FNA  
[*Haplopappus wardii* (Gray) Dorn] - KTZ  
[*Oönoptis condensata* (A. Nelson) A. Nelson] - FNA  
[*Oönoptis wardii* (A. Gray) Greene var. *condensata* A. Nelson] - FNA

*Oreochrysum parryi* (A. Gray) Rydb.] - Dorn01, FNA, KTZ, SF!, W&W

[*Haplopappus parryi* A. Gray] - HDH  
[*Solidago parryi* (A. Gray) Greene] - IMF, UTF, E/W

*Oxytenia acerosa* Nutt. - FNA, HDH, SFW, UTF, W&W

[*Iva acerosa* (Nutt.) R. C. Jackson] - IMF, KTZ, W

*Packera* (see also **Senecio**)

(Identification sources: \_\_\_\_\_)

*Packera cana* (Hook.) W. A. Weber & A. Löve - Dorn01, FNA, KTZ, SF!, W&W, E/W

[*Senecio canus* Hook.] - GPF, HDH, IMF, UTF  
[*Senecio hallii* var. *discoidea* W. A. Weber] - FNA  
[*Senecio harbourii* Rydb.] - HDH  
[*Senecio laramiense* A. Nelson] - FNA  
[*Senecio purshianus* Nutt.] - HDH

*Packera crocata* (Rydb.) W. A. Weber & A. Löve - Dorn01, FNA, KTZ, SF!, W&W, E/W

[*Senecio aureus* L. var. *croceus* A. Gray] - FNA  
[*Senecio crocatus* Rydb.] - HDH, IMF, UTF  
[*Senecio pyrrochrous* Greene] - FNA  
[*Senecio tracyi* Rydb.] - FNA

*Packera debilis* (Nutt.) W. A. Weber & A. Löve - Dorn01, FNA, KTZ, SFE, W&W, Barkley99, E

[*Senecio debilis* Nutt.] - HDH, IMF  
[*Senecio heterodoxus* Green ex Rydb.] - FNA

*Packera dimorphophylla* (Greene) W. A. Weber & A. Löve var. *dimorphophylla* - Dorn01, FNA, KTZ, Barkley99, E/W

[*Packera dimorphophylla* (Greene) W. A. Weber & A. Löve] - SF!, W&W<sup>1</sup>  
[*Packera dimorphophylla* (Greene) W. A. Weber & A. Löve subsp. *dimorphophylla*] - W&W  
[*Senecio dimorphophyllus* Greene] - HDH  
[*Senecio dimorphophyllus* Greene var. *dimorphophyllus*] - IMF, UTF

*Packera dimorphophylla* (Greene) W. A. Weber & A. Löve var. *intermedia* (T. M. Barkley) D. K. Trock & T. M. Barkley - KTZ; Trock98, E/W

[*Packera dimorphophylla* (Greene) W. A. Weber & A. Löve] - SF!  
[*Packera dimorphophylla* (Greene) W. A. Weber & A. Löve subsp. *intermedia* (T. M. Barkley) W. A. Weber & A. Löve] - W&W  
[*Senecio dimorphophyllus* Greene var. *intermedius* T. M. Barkley] - IMF, UTF

*Packera fendleri* (A. Gray) W. A. Weber & A. Löve - Dorn01, FNA, KTZ, SF!, W&W, Barkley99, E/W

[*Senecio fendleri* A. Gray] - RMC

- [*Senecio fendleri* A. Gray var. *fendleri*] - HDH  
 [*Senecio fendleri* A. Gray var. *lanatus* Osterh.] - HDH  
 {*Packera hartiana* (A. Heller) W. A. Weber & A. Löve} - KTZ <AZ, NM, UT>; Barkley99  
 {*Senecio hartianus* A. Heller} - IMF, W&W, misid.  
*Packera multilobata* (Torr. & A. Gray ex A. Gray) W. A. Weber & A. Löve - Dorn01, FNA,  
 KTZ, W&W, Barkley99, W  
 [*Packera multilobata* (Torr. & A. Gray) W. A. Weber & A. Löve] - SFW  
 [*Senecio leucoreus* Greenman] - FNA  
 [*Senecio multilobatus* Torr. & A. Gray] - UTF  
 [*Senecio multilobatus* Torr. & A. Gray ex A. Gray] - HDH, IMF, RMC  
 [*Senecio nelsonii* Rydb. var. *uintahensis* A. Nelson] - FNA  
 [*Senecio prolixus* Greenman] - FNA  
 [*Senecio stygius* Greene] - FNA  
 [*Senecio thornberi* Greenman] - FNA  
 [*Senecio uintahensis* (A. Nelson) Greenman] - HDH, FNA  
*Packera neomexicana* (A. Gray) W. A. Weber & A. Löve var. *mutabilis* (Greene) W. A. Weber  
 & A. Löve - FNA, KTZ; Barkley99, E/W  
 [*Packera neomexicana* (A. Gray) W. A. Weber & A. Löve] - SF!, W&W  
 [*Senecio mutabilis* Greene] - HDH  
 [*Senecio neomexicanus* A. Gray] - HDH  
 [*Senecio neomexicanus* A. Gray var. *metcalfei* (Greene ex Wooton & Standl.) T. M. Barkley] - FNA  
 [*Senecio neomexicanus* A. Gray var. *mutabilis* (Greene) T. M. Barkley] - IMF, UTF  
 {*Packera obovata* (Muhl. ex Willd.) W. A. Weber & A. Löve} - KTZ <KS, OK>, W&W,  
 Barkley99  
 {*Senecio obovatus* (Muhl. ex Willd.)  
*Packera oödes* (Rydb.) W. A. Weber - SF!, W&W, E/W  
 [*Senecio oodes* Rydb.] - HDH  
 [*Senecio streptanthifolius* Greene var. *oödes* (Rydb.) J. F. Bain] - KTZ, Bain88  
*Packera pauciflora* (Pursh) W. A. Weber & A. Löve - Dorn01, FNA, KTZ, W&W, Barkley99, E  
 [*Packera pauciflorus* A. Löve & D. Löve] - SFE, W&W<sup>1</sup>  
 [*Senecio aureus* L. var. *discoideus* Hook.] - FNA  
 [*Senecio discoideus* (Hook.) Britton] - FNA  
 [*Senecio fedifolius* Rydb.] - HDH, rep.  
 [*Senecio lembertii* Greene] - FNA  
 [*Senecio pauciflorus* Pursh] - FNA  
*Packera paupercula* (Michx.) W. A. Weber & A. Löve - Dorn01, FNA, KTZ, W&W, Barkley99,  
 E  
 [*Packera paupercula* (Michx.) A. Löve] - SFE, W&W<sup>1</sup>  
 [*Senecio flavoriens* Rydb.] - FNA  
 [*Senecio pauperculus* Michx.] - GPF, IMF, UTF  
 [*Senecio tweedyi* Rydb.] - FNA  
*Packera plattensis* (Nutt.) W. A. Weber & A. Löve - Dorn01, FNA, KTZ, SFE, W&W,  
 Barkley99, E  
 [*Senecio plattensis* Nutt.] - GPF, HDH, IMF, RMC  
 [*Senecio pseudotomentosus* Mackenzie & Bush] - FNA  
*Packera porteri* (Greene) C. Jeffrey - FNA, KTZ; Barkley99, E/W  
 [*Ligularia porteri* (Greene) W. A. Weber] - SF!, W&W  
 [*Senecio porteri* Greene] - HDH, IMF  
*Packera pseudaurea* (Rydb.) W. A. Weber & A. Löve var. *flavula* (Greene) D. K. Trock & T. M.  
 Barkley - FNA, KTZ, Trock98, E/W  
 [*Packera pseudaurea* (Rydb.) W. A. Weber & A. Löve] - SF!  
 [*Packera pseudaurea* (Rydb.) W. A. Weber & A. Löve subsp. *flavula* (Greene) W. A. Weber & A. Löve] -  
 W&W



- [*Senecio flavulus* Greene] - HDH  
 [*Senecio pseud aureus* Rydb. var. *flavulus* (Greene) Greenm.] - RMC  
*Packera pseud aurea* (Rydb.) W. A. Weber & A. Löve var. *pseud aurea* - Dorn01, FNA, KTZ,  
 Barkley99, E/W  
 [*Packera pseud aurea* (Rydb.) W. A. Weber & A. Löve] - SF!  
 [*Packera pseud aurea* (Rydb.) W. A. Weber & A. Löve subsp. *pseud aurea*] - W&W  
 [*Senecio pseud aureus* Rydb.] - HDH  
 [*Senecio pseud aureus* Rydb. var. *pseud aureus*] - GPF, IMF, RMC  
*Packera quaerens* (Greene) W. A. Weber & A. Löve - KTZ  
 [*Senecio quaerens* Greene] - M&H, KWA  
*Packera sanguisorboides* (Rydb.) W. A. Weber & A. Löve - FNA  
 [*Senecio sanguisorboides* Rydb.] - FNA  
*Packera streptanthifolia* (Greene) W. A. Weber & A. Löve - Dorn01, FNA, KTZ, SF!, W&W,  
 Barkley99, E/W, Veldkamp08  
 [*Senecio cymbalarioides* Nutt.] - HDH  
 [*Senecio streptanthifolius* Greene] - HDH, IMF, UTF  
 [*Senecio streptanthifolius* Greene var. *borealis* (Torr. & A. Gray) J. F. Bain] - RMC; Bain88  
 [*Senecio streptanthifolius* Greene var. *rubicaulis* (Greene) J. F. Bain] - Dorn01; Bain88  
 [*Senecio streptanthifolius* Greene var. *streptanthifolius*] - Dorn01; Bain88  
*Packera subnuda* (DC.) Trock & Barkley - Dorn01 (see also Veldkamp08 re nomenclature)  
*Packera tridenticulata* (Rydb.) W. A. Weber & A. Löve - Dorn01, FNA, KTZ, SF!, W&W,  
 Barkley99, E/W  
 [*Senecio acutidens* Rydb.] - HDH  
 [*Senecio compactus* (A.Gray) Rydb.] - FNA  
 [*Senecio densus* Greene] - FNA  
 [*Senecio mutabilis* Greene] - HDH  
 [*Senecio oblanceolatus* Rydb.] - FNA  
 [*Senecio tridenticulatus* Rydb.] - GPF, RMC  
*Packera werneriiifolia* (A. Gray) W. A. Weber & A. Löve - Dorn01, FNA, KTZ, SF!, W&W,  
 Barkley99, E/W  
 [*Packera werneriiifolia* (A. Gray) W. A. Weber & A. Löve var. *werneriiifolia*] - Dorn01  
 [*Packera werneriiifolia* (A. Gray) W. A. Weber & A. Löve var. *alpina* (A. Gray) Dorn] - Dorn01  
 [*Senecio alpicola* Rydb.] - FNA  
 [*Senecio molinarius* Greenm.] - HDH, rep.  
 [*Senecio perennans* A. Nelson] - FNA  
 [*Senecio saxosus* Klatt] - HDH  
 [*Senecio scaposus* A. Nelson] - FNA  
 [*Senecio werneriiifolius* (A. Gray) A. Gray] - IMF, UTF  
 [*Senecio werneriaefolius* A. Gray var. *werneriaefolius*] - HDH  
 [*Senecio werneriiifolius* A. Gray var. *incertus* Greenm.] - HDH, rep.  
 [*Senecio werneriiifolius* (A. Gray) A. Gray var. *werneriiifolius*] - UT3
- Palafoxia rosea* (Bush) Cory - FNA  
 [*Palafoxia macrolepis* (Rydb.) Cory] - HDH  
 [*Palafoxia rosea* (Bush) Cory var. *macrolepis* (Rydb.) B. L. Turner] - SFE, W&W  
 [*Palafoxia rosea* (Bush) Cory var. *macrolepis* (Rydb.) B. L. Turner & M. I. Morris] - Dorn01, GPF, KTZ, E  
*Palafoxia sphacelata* (Nutt. ex Torr.) Cory - FNA, KTZ, W&W, E  
 [*Palafoxia sphacelata* (Nutt.) Cory] - GPF, HDH, SFE  
 [*Stevia sphacelata* Nutt.] - FNA

{*Parthenice mollis* A. Gray} - HDH rep., KTZ <AZ>, W&W, err. rep.

◆ *Parthenium alpinum* (Nutt.) Torr. & A. Gray - **ENDEMIC** <CO, NM, WY> Dorn01, FNA,

KTZ, E

[*Bolophyta alpina* Nutt.] - FNA, SFE, W&W

[*Bolophyta tetraeuris* (Barneby) W. A. Weber] - FNA, SFE, W&W

[*Parthenium alpinum* (Nutt.) Torr. & A. Gray var. *tetraeuris* (Barneby) Rollins] - HDH

[*Parthenium tetraeuris* Barneby] - KTZ

[RH - a tetraploid race of *Parthenium alpinum*, morphologically not distinct. Endemic if recognized.]

*Parthenium ligulatum* (M. E. Jones) Barneby - FNA, IMF, KTZ, UTF, W

[*Bolophyta ligulata* (M. E. Jones) W. A. Weber] - SFW, W&W

*Pectis angustifolia* Torr. var. *angustifolia* - FNA, IMF, KTZ, E/W

[*Pectis angustifolia* Torr.] - Dorn01, GPF, HDH, SF!, UTF, W&W

*Pericome caudata* A. Gray - FNA, GPF, IMF, KTZ, SFW, E/W

[*Pericome caudata* A. Gray var. *caudata*] - HDH, SFE, W&W

[*Pericome caudata* A. Gray var. *glandulosa* (Goodman) Harrington] - HDH, SFE, W&W

*Petasites sagittatus* (Banks ex Pursh) A. Gray - GPF, W&W, E/W

[*Petasites frigidus* (L.) Fries var. *sagittatus* (Banks ex Pursh) Cherniawsky] - Dorn01, FNA, KTZ

[*Petasites sagittatus* (Banks) A. Gray] - SF!

[*Petasites sagittata* (Pursh) A. Gray] - HDH

*Petradoria pumila* (Nutt.) Greene var. *pumila* - FNA, IMF, UTF, W

[*Petradoria pumila* (Nutt.) Greene] - Dorn01, SFW, W&W

[*Petradoria pumila* (Nutt.) Greene subsp. *pumila*] - KTZ

[*Solidago petradoria* S. F. Blake] - HDH

*Picradenia* (see **Hymenoxys**)

*Picradeniopsis oppositifolia* (Nutt.) Rydb. ex Britton - Dorn01, FNA, KTZ, E

[*Bahia oppositifolia* (Nutt.) DC.] - HDH

[*Picradeniopsis oppositifolia* (Nutt.) Rydb.] - GPF, SFE, W&W

*Picradeniopsis woodhousei* (A. Gray) Rydb. - FNA, GPF, KTZ, SFE, W&W, E

[*Bahia woodhousei* A. Gray] - HDH

*Picrothamnus* (see **Artemisia**)

*Platyschkuhria integrifolia* (A. Gray) Rydb. - Dorn01, FNA

[*Bahia nudicaulis* Gray] - HDH, KTZ

[*Bahia nudicaulis* A. Gray var. *desertorum* (M. E. Jones) Cronquist] - IMF

[*Bahia nudicaulis* A. Gray var. *oblongifolia* (A. Gray) Cronquist] - IMF

[*Platyschkuhria integrifolia* (A. Gray) Rydb. var. *desertorum* (M. E. Jones) W. Ellison] - KTZ, UTF

[*Platyschkuhria integrifolia* (A. Gray) Rydb. var. *integrifolia*] - KTZ

[*Platyschkuhria integrifolia* (A. Gray) Rydb. var. *oblongifolia* (A. Gray) W. Ellison - FCF, KTZ, SFW, UTF, W&W, W

[*Bahia oblongifolia* A. Gray] - HDH, rep.

{*Pluchea sericea* (Nutt.) Coville} - KTZ <AZ, NM, UT>, W&W, err. rep.

*Podospermum* (see **Scorzonera**)

*Prenanthes racemosa* Michx. - FNA, HDH, SF!, W&W

[*Prenanthes racemosa* Michx. var. *multiflora* (Cronquist) Dorn] - Dorn01 {as taxon distinct from *L. juncea*},  
KTZ, E/W

[*Prenanthes racemosa* Michx. subsp. *multiflora* Cronquist] - GPF

[*Prenanthes racemosa* Michx. var. *racemosa*] - KTZ <WY>, E/W

*Prenanthes exigua* (A. Gray) Rydb. - FNA, KTZ, SFW, UTF, W&W, W

[*Lygodesmia exigua* (A. Gray) A. Gray] - IMF

[*Lygodesmia exigua* A. Gray] - HDH

Prionopsis (see **Grindelia**)

*Pseudognaphalium canescens* (DC.) W. A. Weber subsp. *canescens* - FNA, KTZ, E

[*Gnaphalium canescens* DC.] IMF, name applies to Mexican material

[*Gnaphalium wrightii* A. Gray] - GPF, HDH, IMF, UTF

[*Pseudognaphalium canescens* (DC.) W. A. Weber] - SFE, W&W

*Pseudognaphalium jaliscense* (Greenm.) Anderberg - FNA

[*Gnaphalium jaliscense* Greenm.] - FNA

*Pseudognaphalium macounii* (Greene) Kartesz - Dorn01, FNA

[*Gnaphalium macounii* Greene] - FNA

*Pseudognaphalium microcephalum* (Nutt.) Anderberg - FNA

[*Gnaphalium canescens* DC.] IMF, name applies to Mexican material

[*Gnaphalium microcephalum* Nutt.] - UTF

[*Gnaphalium microcephalum* Nutt. var. *microcephalum*] - IMF, misapp.

[*Gnaphalium microcephalum* Nutt. var. *thermale* (E. E. Nelson) Cronquist] - Dorn01, IMF

[*Gnaphalium wrightii* A. Gray] - GPF, HDH, IMF, UTF

[*Pseudognaphalium canescens* (DC.) W. A. Weber] - SFE, W&W

[*Pseudognaphalium canescens* (DC.) W. A. Weber subsp. *microcephalum* (Nutt.) Kartesz] - KTZ

[*Pseudognaphalium canescens* (DC.) W. A. Weber subsp. *microcephalum* (Nutt.) Stebbins & Keil] - E

[*Pseudognaphalium canescens* (DC.) W. A. Weber subsp. *thermale* (E. Nels.) Kartesz] - KTZ

Δ *Pseudognaphalium stramineum* (Kunth) W. A. Weber - Dorn01, KTZ, SF!, W&W, E/W

[NS - it is unclear whether this name is the same taxon used by Nesom in FNA Vol. 19: 418]

[*Gnaphalium chilense* Spreng.] - GPF, HDH, UTF

[*Gnaphalium chilense* Spreng. var. *chilense*] - RMC

[*Gnaphalium stramineum* Kunth] - IMF

[*Pseudognaphalium stramineum* (Kunth) Anderberg {and synonyms therein??, FNA Vol. 19: 418}] - FNA

Δ *Pseudognaphalium viscosum* (Kunth) W. A. Weber - KTZ, SF!, W&W<sup>1</sup>, E/W

[*Gnaphalium macounii* Greene] - HDH, IMF

[*Gnaphalium viscosum* Kunth] - GPF, IMF, misapp., UTF

[*Pseudognaphalium macounii* (Greene) Kartesz] - KTZ

*Psilocarphus brevissimus* Nutt. var. *brevissimus* - FNA, KTZ

Psilochenia (see **Crepis**)

*Psilostrophe bakeri* Greene - FNA, FCF, HDH, IMF, KTZ, SFW, W&W, W

*Psilostrophe tagetina* (Nutt.) Greene - HDH, exp., W&W out of range, W&W<sup>1</sup>, E

[WJ - roadside waif. Several visits back to original collection site yielded no additional collections]

[*Psilostrophe tagetinae* (Nutt.) Greene] - SFE

[*Psilostrophe tagetina* (Nutt.) Greene var. *tagetina*] - KTZ

*Psilostrophe villosa* Rydb. - FNA, SFE, exp.

[*Psilostrophe tagetina* (Nutt.) Greene var. *cerifera* (A. Nelson) B. L. Turner] - FNA

Ptilocalais (see **Microseris**)

Ptiloria (see **Stephanomeria**)

{*Pyrrhopappus grandiflorus* (Nutt.) Nutt} - GPF, KTZ <KS, NM, OK>, W&W, err.

*Pyrrocomma clementis* Rydb. var. *clementis* - Dorn01, FNA, KTZ, E/W

[*Haplopappus clematis* (Rydb.) S. F. Blake] - HDH, IMF, UTF

[*Pyrrocomma clementis* Rydb.] - SF!, W&W

*Pyrrocomma crocea* (A. Gray) Greene var. *crocea* - FNA, KTZ, E/W

[*Haplopappus croceus* A. Gray] - HDH

[*Haplopappus croceus* A. Gray subsp. *croceus*] - UTF

[*Haplopappus croceus* A. Gray var. *croceus*] - IMF

[*Pyrrocomma crocea* (A. Gray) Greene] - Dorn01, SF!, W&W

{*Pyrrocomma integrifolia* (Porter ex A. Gray) Greene} KTZ <WY>, W&W, misid.

{*Haplopappus integrifolius* A. Gray} - UTF

{*Haplopappus integrifolius* A. Gr subsp. *integrifolius*} - HDH

*Pyrrocomma lanceolata* (Hook.) Greene var. *lanceolata* - FNA, KTZ, E/W

[*Donia lanceolata* Hook.] - FNA

[*Haplopappus lanceolatus* (Hook.) Torr. & A. Gray] - FNA, HDH, IMF, UTF

[*Haplopappus lanceolatus* (Hook.) Torr. & A. Gray subsp. *lanceolatus*] - GPF

[*Haplopappus lanceolatus* (Hook.) Torr. & A. Gray subsp. *solidagineus* (Greene) H. M. Hall] - FNA

[*Haplopappus lanceolatus* (Hook.) Torr. & A. Gray var. *sublanatus* Cody] - FNA

[*Haplopappus lanceolatus* (Hook.) Torr. & A. Gray subsp. *terminalis* (D. C. Eat.) A. Gray] - FNA

[*Haplopappus lanceolatus* (Hook.) Torr. & A. Gray subsp. *vaseyi* (Parry ex D. C. Eat.) H. M. Hall] - FNA

[*Haplopappus lanceolatus* (Hook.) Torr. & A. Gray var. *vaseyi* Parry ex D. C. Eat.] - FNA

[*Pyrrocomma lanceolata* (Hook.) Greene] - Dorn01, SF!, W&W

*Pyrrocomma uniflora* (Hook.) Greene var. *uniflora* - FNA, KTZ, E/W

[*Haplopappus contractus* H. M. Hall] - FNA

[*Haplopappus uniflorus* (Hook.) Torr. & A. Gray var. *uniflorus*] - HDH, IMF

[*Pyrrocomma uniflora* (Hook.) Greene] - Dorn01, SF!, W&W

*Rafinesquia neomexicana* Gray - FNA, KWA, M&H, KTZ

[*Nemoseris neomexicana* (Gray) Greene] - KWA, M&H

*Ratibida columnifera* (Nutt.) Wooton & Standl. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Ratibida tagetes* (E. James) Barnhart - Dorn01, FNA, GPF, HDH, KTZ, SFE, W&W, E

*Rayjacksonia annua* (Rydb.) R. L. Hartm. & M. A. Lane - Dorn01, FNA, KTZ, W&W<sup>1</sup>, Lane96, E

[*Haplopappus annuus* (Rydb.) Cory] - FNA, GPF

[*Haplopappus phylocephalus* DC. subsp. *annuus* (Rydb.) H. M. Hall] - HDH

[*Machaeranthera annua* (Rydb.) Shinnery] - FNA

[*Machaeranthera phyllocephala* (DC.) Shinnery] - SFE, W&W

[*Sideranthus annuus* Rydb.] - FNA

{*Rayjacksonia phyllocephala* (DC.) R. L. Hartm. & M. A. Lane} - KTZ, W&W<sup>1</sup>; Lane96

*Rudbeckia hirta* L. var. *pulcherrima* Farw. - Dorn01, FNA, GPF, KTZ, E/W

[*Rudbeckia hirta* L.] - HDH, SF!, UTF, W&W

*Rudbeckia laciniata* L. var. *ampla* (A. Nelson) Cronquist - Dorn01, FNA, IMF, KTZ, UTF, E/W

[*Rudbeckia ampla* A. Nelson] - SF!, W&W  
 [*Rudbeckia laciniata* L.] - HDH  
*Rudbeckia laciniata* L. var. *hortensia* Bailey - Dorn01  
*Rudbeckia laciniata* L. var. *laciniata* - Hartman06  
*Rudbeckia montana* A. Gray - FNA, HDH, KTZ, UTF  
 [*Rudbeckia occidentalis* Nutt. var. *montana* (A. Gray) Perdue] - IMF, SFW, W&W, W  
*Rudbeckia occidentalis* Nutt. - FNA, KTZ, UTF  
 [*Rudbeckia occidentalis* Nutt. var. *occidentalis*] - IMF  
*Rudbeckia triloba* L. var. *triloba* - GPF, KTZ, E  
 [*Rudbeckia beadleii* Small] - FNA  
 [*Rudbeckia triloba* L.] - SFE, UTF, W&W  
 [*Rudbeckia triloba* L. var. *beadleii* (Small) Fernald] - FNA

**Rydbergia (see *Tetraneuris*)**

{*Saussurea alpina* DC.} - HDH, KTZ, W&W, misapp.  
*Saussurea weberi* Hult. - Dorn01, KTZ, SF!, W&W, E/W  
 [*Saussurea densa* (Hook.) Rydb.]

*Schkuhria multiflora* Hook. & Arn. - FNA, KTZ, SFE, E  
 [*Bahia neomexicana* A. Gray] - HDH, W&W

*Scabrethia scabra* (Hook.) W. A. Weber subsp. *scabra* - FNA, W&W<sup>1</sup>  
 [*Scabrethia scabra* (Hook.) W.A. Weber subsp. *canescens* (W. A. Weber) W. A. Weber] - W&W<sup>1</sup>  
 [*Wyethia scabra* Hook.] - IMF, UTF, W  
 [*Wyethia scabra* Hook. subsp. *scabra*] - SFW  
 [*Wyethia scabra* Hook. var. *scabra*] - HDH, KTZ, W&W  
*Scabrethia scabra* (Hook.) W. A. Weber subsp. *canescens* (W. A. Weber) W. A. Weber - FNA  
 [*Wyethia scabra* Hook. subsp. *canescens* W. A. Weber] - SFW  
 [*Wyethia scabra* Hook. var. *canescens* W. A. Weber] - HDH, KTZ, W&W

∴ *Scorzonera laciniata* L. - Dorn01, FNA, GPF, KTZ, E  
 [*Podospermum laciniatum* (L.) DC.] - SFE, W&W

**Senecio (see also *Packera*, *Ligularia*)**

[NS - The generic boundaries of *Senecio* s.l. are under study [e.g., Pelser07] and additional changes can be expected. The treatment here follows FNA]

(Identification sources: \_\_\_\_\_)

*Senecio amplexans* A. Gray var. *amplexans* - FNA, HDH, IMF, KTZ, UTF, E/W  
 [*Ligularia amplexans* (A. Gray) W. A. Weber] -SF!, W&W  
*Senecio amplexans* A. Gray var. *holmii* (Greene) Harrington - FNA, HDH, IMF, KTZ, UTF, E/W  
 [*Ligularia amplexans* (A. Gray)W. A. Weber var. *hallii* (Greene) Dorn] - Dorn01  
 [*Ligularia holmii* (Greene) W. A. Weber] - SF!, W&W  
*Senecio atratus* Greene - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 {*Senecio bigelovii* A. Gray var. *bigelovii*} - HDH, IMF, KTZ <AZ, NM>  
 {*Ligularia bigelovii* (A. Gray) W. A. Weber var. *bigelovii*} - W&W, misapp.

*Senecio bigelovii* A. Gray var. *hallii* A. Gray - FNA, HDH, IMF, KTZ, UTF, E/W  
 [Ligularia bigelovii (A. Gray) W. A. Weber] - SFW  
 [Ligularia bigelovii (A. Gray) W. A. Weber var. *hallii* (A. Gray) W. A. Weber] - SFE, W&W  
 [Ligularia bigelovii (A. Gray) W. A. Weber var. *hallii* (A. Gray) Dorn] - Dorn01  
*Senecio crassulus* A. Gray - FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Senecio eremophilus* Richardson var. *eremophilus* - FNA, GPF, IMF, KTZ  
 [Senecio eremophilus Richardson] - Dorn01, HDH, rep.  
 [Senecio glauciifolius Rydb.] - FNA  
*Senecio eremophilus* Richardson var. *kingii* (Rydb.) Greenm. - FNA, IMF, KTZ, RMC, UTF, E/W  
 [Senecio ambrosioides Rydb.] - FNA, HDH  
 [Senecio eremophilus Richardson subsp. *kingii* (Rydb.) G. W. Douglas & G. Ruyle-Douglas] - W&W  
 [Senecio eremophilus Rydb. subsp. *kingii* (Rydb.) G. W. Douglas & G. Ruyle-Douglas] - SF!  
 [Senecio *kingii* Rydb.] - FNA  
*Senecio flaccidus* Less. var. *flaccidus* - FNA  
 [Senecio douglasii DC. var. *jamesii* (Torr. & A. Gray) Eidiger ex Correll & M. C. Johnston] - FNA  
 [Senecio douglasii DC. var. *longilobus* (Benth.) L. D. Benson] - FNA  
 [Senecio *longilobus* Benth.] - FNA  
 {*Senecio flaccidus* Less. var. *douglasii* (DC.) Turner & T. M. Barkley} - KTZ, W&W<sup>1</sup>, E/W  
 {*Senecio douglasii* DC.} - IMF  
 {*Senecio douglasii* DC. subsp. *longilobus* (Benth.) W. A. Weber} - W&W<sup>1</sup>, err. rep.  
 {*Senecio douglasii* DC. var. *longilobus* (Benth.) L. D. Benson} - GPF, UTF  
 {*Senecio flaccidus* Less.} - IMF  
 {*Senecio flaccidus* Less. subsp. *douglasii* (DC.) Turner & T. M. Barclay} - SFE  
 {*Senecio flaccidus* Less. subsp. *douglasii* (DC.) Turner & T. M. Barkley} - W&W  
 {*Senecio flaccidus* Less. var. *douglasii* (DC.) Turner & T. M. Barclay} - SFW  
 {*Senecio flaccidus* Less. var. *flaccidus*} - KTZ  
 {*Senecio longilobus* Benth.] - HDH  
*Senecio fremontii* Torr. & A. Gray var. *blitoides* (Greene) Cronquist - Dorn01, FNA, IMF, KTZ, SF!, UTF, E/W  
 [Senecio carthamoides Greene] - HDH  
 [Senecio fremontii Torr. & A. Gray subsp. *blitoides* (Greene) W. A. Weber] - W&W  
 [Senecio invenustus Greene] - FNA  
*Senecio fremontii* Torr. & A. Gray var. *fremontii* - Dorn01  
*Senecio hydrophilus* Nutt. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Senecio integerrimus* Nutt. var. *exaltatus* (Nutt.) Cronquist - Dorn01, FNA, GPF, IMF, KTZ, UTF, E/W  
 [Senecio hookeri Torr. & A. Gray] - HDH  
 [Senecio integerrimus Nutt.] - HDH, SF!, W&W  
*Senecio integerrimus* Nutt. var. *integerrimus* - Dorn01, FNA, GPF, IMF, KTZ, E/W  
 [Senecio integerrimus Nutt.] - HDH, SF!, W&W  
*Senecio lugens* Richardson - Dorn01  
*Senecio pudicus* Greene - FNA, HDH, IMF, KTZ, UTF, E/W  
 [Ligularia pudica (Greene) W. A. Weber] - SF!, W&W  
*Senecio rapifolius* Nutt. - Dorn01, FNA, GPF, HDH, KTZ, SFE, W&W, E  
*Senecio riddellii* Torr. & A. Gray - FNA, GPF, HDH, KTZ, SFE, W&W  
 [Senecio spartioides Torr. & A. Gray var. *fremontii* (Torr. & A. Gray) Greenm. ex L. O. Williams] - E  
*Senecio serra* Hook. var. *admirabilis* (Greene) A. Nelson - Dorn01, FNA, IMF, KTZ, SF!, UTF, W&W, E/W  
 [Senecio admirabilis Greene] - FNA  
 [Senecio serra Hook.] - HDH  
*Senecio serra* Hook. var. *serra* - Dorn01, FNA, KTZ, W&W, IMF

[*Senecio andinus* Nutt.] - FNA  
[*Senecio lanceolatus* Torr. & A. Gray] - FNA  
[*Senecio millikenii* Eastwood] - FNA  
[*Senecio serra* var. *altior* Jepson] - FNA, KTZ  
[*Senecio serra* var. *integriusculus* Gray] - KTZ  
[*Senecio solidago* Rydb.] - FNA

- ◆ *Senecio soldanella* A. Gray - **ENDEMIC** <CO, NM>, FNA, HDH, KTZ, E/W  
[*Ligularia soldanella* (A. Gray) W. A. Weber] - SF!, W&W

*Senecio spartioides* Torr. & A. Gray var. *fremontii* (Torr. & A. Gray) Greenm. ex Wms. -  
Dorn01

*Senecio spartioides* Torr. & A. Gray var. *multicapitatus* (Greenm. ex Rydb.) S. L. Welsh -  
Dorn01, KTZ, E/W

[*Senecio multicapitatus* Greene] - W&W<sup>1</sup>  
[*Senecio multicapitatus* Greenm.] - SF!  
[*Senecio multicapitatus* Greenm. ex Rydb.] - HDH, W&W  
[*Senecio spartioides* Torr. & A. Gray var. *multicapitatus* (Greenm.) S. L. Welsh - IMF, UTF

*Senecio spartioides* Torr. & A. Gray var. *spartioides* - Dorn01, IMF, KTZ, UTF, E/W  
[*Senecio spartioides* Torr. & A. Gray] - GPF, HDH, SF!, W&W

*Senecio sphaerocephalus* Greene - Dorn01, FNA, HDH rep., KTZ, W&W, misid.

- ◆ *Senecio taraxacoides* (A. Gray) Greene - **ENDEMIC** <CO, NM>, FNA, HDH, KTZ, E/W  
[*Ligularia taraxacoides* (A. Gray) W. A. Weber] - SF!, W&W  
[*Senecio amplexans* A. Gray var. *taraxacoides* A. Gray] - FNA

*Senecio triangularis* Hook. - FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
[*Senecio gibbonsii* Greene] - FNA  
[*Senecio triangularis* var. *angustifolius* G. N. Jones] - FNA

∴ *Senecio vulgaris* L. - Dorn01, FNA, GPF, HDH rep., IMF, KTZ, SF!, UTF, W&W, E/W  
*Senecio wootonii* Greene - FNA, HDH, KTZ, SF!, W&W, E/W

*Seriphidium* (see **Artemisia**)

*Shinnersoseris rostrata* (A. Gray) Tomb - Dorn01, FNA, GPF, KTZ, SFE, W&W, E  
[*Lygdoesmia juncea* (Pursh) Hook. var. *rostrata* A. Gray] - FNA  
[*Lygodesmia rostrata* A. Gray] - FNA, HDH

*Silphium integrifolium* Michx. var. *laeve* Torr. & A. Gray - Dorn01, FNA, GPF, KTZ, E  
[*Silphium integrifolium* Michx.] - HDH, SFE, W&W  
[*Silphium speciosum* Nutt.] - FNA

*Silphium laciniatum* L. - FNA, GPF, HDH, SFE, W&W  
[*Silphium laciniatum* L. var. *laciniatum*] - KTZ, E

*Solidago* (see also **Euthamia**, **Oreochrysum**, **Petradoria**)

[NS - Quadrinomials not recognized {Snow97} or listed here, e.g. *S. simplex* complex]

(Identification sources: \_\_\_\_\_)

*Solidago canadensis* L. var. *gilvocanescens* Rydb. - Dorn01, GPF, HDH, IMF, KTZ  
[*Doria canescens* (Rydb.) Lunell] - FNA  
[*Solidago altissima* L.] - HDH  
[*Solidago altissima* L. subsp. *gilvocanescens* (Rydb.) Semple] - FNA  
[*Solidago canadensis* L.] - SF!, UTF, W&W

- [*Solidago canadensis* L. var. *canadensis*] - HDH  
 [*Solidago gilvocanescens* (Rydb.) Smyth] - FNA  
 [*Solidago lepida* DC. var. *elongata* (Nutt.) Fernald] - HDH  
 [*Solidago lepida* DC. var. *fallax* Fernald] - HDH
- Solidago canadensis* L. var. *salebrosa* (Piper) M. E. Jones** - Dorn01, GPF, IMF, KTZ  
 [*Solidago canadensis* L.] - W&W  
 [*Solidago polyphylla* Rydb.] - IMF  
 [*Solidago serra* Rydb.] - IMF
- Solidago canadensis* L. var. *scabra* Torr. & A. Gray** - GPF, IMF, SF!, E/W  
 [*Solidago altissima* L.] - KTZ  
 [*Solidago altissima* L. var. *procera* (Aiton) Fernald] - HDH  
 [*Solidago canadensis* L.] - UTF, W&W  
 [*Solidago canadensis* L. var. *canadensis*] - HDH  
 [*Solidago canadensis* L. var. *scabra* (Muhl. ex Willd.) Torr. & A. Gray] -  
 [*Solidago lepida* DC. var. *elongata* (Nutt.) Fernald] - HDH  
 [*Solidago lepida* DC. var. *fallax* Fernald] - HDH
- Solidago gigantea* Aiton** - Dorn01, FNA, IMF, KTZ, SF!, W&W<sup>1</sup>, E/W  
 [NS - additional synonymy in FNA 20: 156]  
 [*Solidago gigantea* Aiton var. *leiophylla* Fernald] - HDH  
 [*Solidago gigantea* Aiton var. *serotina* (Kuntze) Cronquist] - GPF  
 [*Solidago serotinoides* A. Löve & D. Löve] - W&W
- Solidago lepida* DC.** - FNA  
 [NS - probably overly subdivided; not recognizing subspecies and varieties as per FNA]  
 [*Aster lepidus* (DC.) Kuntze] - FNA  
 [*Solidago canadensis* L. var. *lepida* (DC.) Cronquist] - FNA  
 [*Solidago canadensis* L. subsp. *salebrosa* (Piper) D. D. Keck] - FNA  
 [*Solidago gigantea* Ait. var. *salebrosa* (Piper) Friesner] - FNA  
 [*Solidago lepida* (DC.) var. *salebrosa* (Piper) Semple] - FNA  
 [*Solidago salebrosa* (Piper) Rydb.] - FNA  
 [*Solidago serotina* (Ait.) var. *salebrosa* Piper] - FNA  
 [*Solidago sera* Rydb.] - FNA
- Solidago missouriensis* Nutt. var. *fasciculata* Holz.** - Dorn01, KWA, JM, M&H  
 [NS - FNA does not subdivide this species following recent treatment of Cronquist but points out that further study of species is needed]  
 [*Solidago glaberrima* Martens] - KTZ, M&H  
 [*Solidago glaberrima* Martens var. *moritura* (Steele) Palmer & Steyermark] - KTZ  
 [*Solidago missouriensis* var. *glaberrima* (Martens) Rosendahl & Cronq.] - KTZ  
 [*Solidago tenuissima* Woot. & Standl.] - M&H
- Solidago missouriensis* Nutt. var. *missouriensis*** - Dorn01, GPF, IMF, KTZ, E/W  
 [*Solidago missouriensis* Nutt.] - HDH, SF!, UTF, W&W
- Solidago missouriensis* Nutt. var. *tenuissima* (Wooton & Standl.) C. & J. Taylor** - KTZ, E/W  
 [*Solidago missouriensis* Nutt.] - HDH, SF!, UTF, W&W  
 [*Solidago missouriensis* Nutt. var. *extraria* A. Gray]
- Solidago mollis* Bartl.** - Dorn01, FNA, GPF, HDH, SFE, UTF, W&W  
 [*Doria incana* (Torr. & A. Gray) Lunell] - FNA  
 [*Doria mollis* (Bartling) Lunell] - FNA  
 [*Solidago incana* Torr. & A. Gray] - FNA  
 [*Solidago mollis* var. *angustata* Shinnery] - FNA  
 [*Solidago mollis* var. *nemoralis* (Bartling) A. Gray] - FNA  
 [*Solidago mollis* Bartl. var. *mollis*] - KTZ, E
- Solidago multiradiata* Aiton** - FNA, SF!, IMF, W&W<sup>1</sup>  
 [*Aster multiradiatus* (Ait.) Kuntze] - FNA  
 [*Solidago algida* Piper] - FNA  
 [*Solidago cusickii* Piper] - FNA



- [*Solidago dilatata* A. Nelson] - FNA  
 [*Solidago ciliosa* Greene] - HDH  
 [*Solidago multiradiata* var. *arctica* (DC.) Fernald] - FNA  
 [*Solidago multiradiata* Aiton var. *scopulorum* A. Gray] - Dorn01, KTZ, UTF, W&W, E/W  
 [*Solidago scopulorum* (A. Gray) A. Nelson] - FNA  
 [*Solidago virgaurea* L. var. *arctica* DC.] - FNA  
 [*Solidago virgaurea* L. var. *multiradiata* (Ait.) Torr. & A. Gray] - FNA  
**Solidago nana** Nutt. - FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 [*Aster nanus* (Nutt.) Kuntze] - FNA  
 [*Solidago nivea* Rydb.] - FNA  
**Solidago nemoralis** Aiton var. *longipetiolata* (Mack. & Bush) Palmer & Stey. - Dorn01, GPF, KTZ, W&W, E/W  
 [*Doria pulcherrima* (A. Nelson) Lunell] - FNA  
 [*Solidago canadensis* L. var. *canescens* A. Gray] - FNA  
 [*Solidago decemflora* DC.] - FNA  
 [*Solidago longipetiolata* Mackenzie] - FNA  
 [*Solidago nemoralis* Aiton] - SF!, UTF  
 [*Solidago nemoralis* Aiton subsp. *longipetiolata* (Mackenzie & Bush) G. W. Douglas] - FNA  
 [*Solidago nemoralis* Aiton var. *longipetiolata* (Mackenzie & Bush) E. J. Palmer & Steyerm.] - FNA  
 [*Solidago nemoralis* Aiton subsp. *decemflora* (DC.) Brammall ex Semple] - FNA  
 [*Solidago pulcherrima* A. Nelson] - FNA  
 {*Solidago petiolaris* Aiton} - see FNA  
 {*Solidago petiolaris* Aiton var. *angusta* (Torr. & A. Gray) A. Gray} - KTZ  
**Solidago ptarmicoides** (Nees) B. Boivin - FNA, GPF, E  
 [NS - additional synonymy in FNA 20: 164]  
 [*Aster ptarmicoides* (Nees) Torr. & A. Gray] - HDH  
 [*Oligoneuron album* (Nutt.) G. L. Nesom] - KTZ  
 [*Unamia alba* (Nutt.) Rydb.] - SFE, W&W  
**Solidago rigida** L. subsp. *humilis* (Porter) S. B. Heard & Semple - FNA  
 [*Solidago rigida* L. var. *rigida*] - GPF, E/W  
 [*Oligoneuron bombycinum* Lunell] - FNA  
 [*Oligoneuron rigidum* (L.) Small - SF!, W&W  
 [*Oligoneuron rigidum* (L.) Small var. *humile* (Porter) G. L. Nesom] - KTZ  
 [*Oligoneuron rigidum* (L.) Small var. *rigidum*] - KTZ <KS, NE, OK>  
 [*Solidago bombycinum* (Lunnell) Friesner] - FNA  
 [*Solidago canescens* (Rydb.) Friesner] - FNA  
 [*Solidago jacksonii* (Kuntze) Fernald var. *humilis* (Porter) Beaudry] - FNA  
 [*Solidago parvirigida* Beaudry] - FNA  
 [*Solidago rigida* L.] - HDH  
 [*Solidago rigida* L. var. *canescens* (Rydb.) Breitung] - FNA  
 [*Solidago rigida* L. subsp. *humilis* (Porter) S. B. Heard & Semple] - Dornh01  
 [*Solidago rigida* L. var. *humilis* Porter] - Dorn01, GPF  
**Solidago simplex** Kunth var. *nana* (A. Gray) G. S. Ringius - SF!, W&W<sup>1</sup>, E/W  
 [*Solidago bellidiflora* Greene] - FNA  
 [*Solidago decumbens* Greene var. *decumbens*] - HDH  
 [*Solidago glutinosa* Nutt.] - HDH  
 [*Solidago glutinosa* Nutt. var. *nana* (A. Gray) Cronquist] - FNA  
 [*Solidago humilis* Pursh var. *nana* A. Gray in A. Gray] - FNA  
 [*Solidago simplex* Kunth] - RMC, Dorn01  
 [*Solidago simplex* Kunth subsp. *simplex* var. *nana* (A. Gray) G. S. Ringius] - FNA, IMF, KTZ  
 [*Solidago spatulata* DC. var. *nana* (A. Gray) Cronquist] - UTF, W&W  
 [*Solidago spatulata* Kunth var. *nana* (A. Gray) Cronquist] - W&W<sup>1</sup>  
**Solidago simplex** Kunth var. *simplex* - SF!, W&W<sup>1</sup>, E/W  
 [*Aster bonplandii* Kuntze] - FNA  
 [*Aster confertiflorus* (DC.) Kuntze] - FNA

- [*Solidago aureola* Greene] - FNA  
 [*Solidago decumbens* Greene] - FNA  
 [*Solidago decumbens* Greene var. *oreophila* (Rydb) Fernald] - FNA, HDH  
 [*Solidago multiradiata* Ait. var. *neomexicana* (A. Gray) Wooton & Standl.] - FNA  
 [*Solidago oreophila* Rydb.] - FNA  
 [*Solidago simplex* Kunth] - RMC  
 [*Solidago simplex* Kunth subsp. *simplex* var. *simplex*] - FNA, IMF, KTZ  
 [*Solidago spathulata* DC. var. *glutinosa* (Nutt.) D. D. Keck] - FNA  
 [*Solidago spathulata* DC. var. *neomexicana* (A. Gray) Cronquist] - UTF, W&W  
 [*Solidago vespertina* Piper] - FNA  
 [*Solidago virgaurea* L. var. *confertiflora* (DC.) Kurtz] - FNA  
**Solidago speciosa** Nutt. var. *pallida* Porter - Dorn01, KTZ, SFE, W&W, E  
 [*Solidago pallida* (Porter) Rydb.] - HDH  
 [*Solidago speciosa* Nutt. var. *rigidiuscula* Torr. & A. Gray] - GPF  
 [*Solidago speciosa* Nutt. subsp. *pallida* (Porter) Semple] - FNA  
**Solidago velutina** DC. subsp. *sparsiflora* (A. Gray) Semple - FNA  
 [NS - more extensive synonymy in FNA 20: 160]  
 [*Solidago velutina* DC.] - Dorn01, FNA, IMF, KTZ, SF!, W&W, E/W  
 [*Aster velutinus* (DC.) Kuntze] - FNA  
 [*Solidago sparsiflora* A. Gray] - GPF, HDH, UTF  
**Solidago wrightii** A. Gray - FNA, SFE  
 [*Aster britonii* Kuntze] - FNA  
 [*Solidago bigelovii* A. Gray] - FNA  
 [*Solidago bigelovii* A. Gray var. *wrightii* (A. Gray) A. Gray] - FNA  
 [*Solidago wrightii* A. Gray var. *adenophora* S. F. Blake] - KTZ, W&W, E
- ∴ **Sonchus arvensis** L. - Dorn01, SF!, UTF, W&W, E/W  
 [*Sonchus arvensis* L. subsp. *arvensis*] - FNA, GPF, KTZ  
 [*Sonchus arvensis* L. var. *arvensis*] - HDH, IMF  
 ∴ **Sonchus asper** (L.) Hill - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 ∴ **Sonchus oleraceus** L. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 ∴ **Sonchus uliginosus** M. Bieb. - Dorn01, SF!, UTF, W&W, E/W  
 [*Sonchus arvensis* L. var. *glabrescens* Gunther, Grab. & Wimm.] - HDH, IMF  
 [*Sonchus arvensis* L. subsp. *uliginosus* (M. Bieb.) Nyman] - FNA, GPF, KTZ  
 [*Sonchus uliginosus* M. Bieb. subsp. *glabrescens* Guenther]
- Sphaeromeria argentea** Nutt. - Dorn01, FNA, IMF, KTZ, SFW, W&W, W  
 [*Tanacetum nuttallii* Torr. & A. Gray] - HDH  
**Sphaeromeria capitata** Nutt. - Dorn01, FNA, IMF, KTZ, SFW, UTF, W&W, W  
 [*Tanacetum capitatum* (Nutt.) Torr. & A. Gray] - FNA  
 ♦ **Sphaeromeria simplex** (A. Nels.) Heller - Dorn01, FNA, KTZ  
 [*Tanacetum simplex* A. Nels.] - KTZ
- Stenactis** (see **Erigeron**)
- Stenotus acaulis** (Nutt.) Nutt.] - Dorn01, FNA, KTZ  
 [*Chrysopsis acaulis* Nutt.] - FNA  
 [*Haplopappus acaulis* (Nutt.) A. Gray] - FNA, IMF  
 [*Haplopappus acaulis* (Nutt.) A. Gray subsp. *acaulis*] - HDH  
 [*Haplopappus acaulis* (Nutt.) A. Gray var. *acaulis*] - UTF  
 [*Haplopappus acaulis* (Nutt.) A. Gray var. *glabratus* D. C. Eaton] - UTF  
 [*Stenotus acaulis* Nutt.] - SFW, W&W  
 [*Stenotus acaulis* (Nutt.) Nutt. var. *acaulis*] - W

- Stenotus armerioides* Nutt. var. *armerioides* - FNA, KTZ, E/W  
 [Haplopappus *armerioides* (Nutt.) A. Gray] - Dor01, GPF, HDH, RMC  
 [Haplopappus *armerioides* (Nutt.) A. Gray var. *armerioides*] - IMF, UTF  
 [Stenotus *armerioides* Nutt.] - SF!, W&W  
 {*Stenotus armerioides* Nutt. var. *gramineus* (S. L. Welsh & F. J. Sm.) Kartesz & Gandhi} - KTZ  
 <UT>  
 [Haplopappus *armerioides* (Nutt.) A. Gray var. *gramineus* S. L. Welsh & F. J. Sm.} - IMF, UTF
- Stephanomeria exigua* Nutt. subsp. *exigua* - FNA, KTZ, W  
 [Stephanomeria *exigua* Nutt.] - HDH, IMF, SFW, UTF, W&W  
*Stephanomeria pauciflora* (Torr.) A. Nelson] - FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W  
 [Stephanomeria *pauciflora* (Torr.) A. Nelson var. *pauciflora*] - E/W  
*Stephanomeria runcinata* Nutt. - FNA, GPF, IMF, KTZ, SF!, UTF, W&W, E/W  
*Stephanomeria tenuifolia* (Raf.) H. M. Hall] - FNA, SFW, W&W<sup>1</sup>  
 [Ptiloria *ramosa* Rydb.] - HDH  
 [Stephanomeria *minor* (Hook.) Nutt. var. *minor*] - KTZ  
 [Stephanomeria *tenuifolia* (Torr.) H. M. Hall] - GPF, HDH  
 [Stephanomeria *tenuifolia* (Torr.) H. M. Hall var. *tenuifolia*] - UTF  
 [Stephanomeria *tenuifolia* (Raf.) H. M. Hall var. *tenuifolia*] - IMF, KTZ, W  
 [Stephanomeria *wrightii* A. Gray] - W&W  
 {*Stephanomeria virgata* Bentham} - HDH, exp., W&W, err. rep.  
 [Stephanomeria *virgata* Bentham subsp. *pleurocarpa* (Greene) Gottlieb] - KTZ

## Symphyotrichum

(Identification sources: \_\_\_\_\_)

- Symphyotrichum X amethystinum* (Nutt.) G. L. Nesom] - FNA, KTZ  
 [Aster *X amethystinus* Nutt.] - E  
 [Aster *ericoides* L. var. *ericoides X A. novae-anglinae*] - KTZ  
 [Symphyotrichum *amethystinus* (Nutt.) G. L. Nesom] - W&W<sup>1</sup>  
 [Virgulus *X amethystinus* (Nutt.) Reveal & Keener] - SFE, W&W  
*Symphyotrichum ascendens* (Lindl.) G. L. Nesom - Dorn01, FNA, KTZ, W&W<sup>1</sup>  
 [Aster *adscendens* Lindl.] - HDH, IMF, E/W  
 [Aster *chilensis* Nees subsp. *adscendens* (Lindl.) Cronquist] - GPF, UTF  
 [Aster *orthophyllus* Greene] - SFE  
 [Virgulaster *ascendens* (Lindl.) Semple] - SF!  
 [Virgulaster *ascendens* (Lindl. ex Hook.) Semple] - W&W  
*Symphyotrichum boreale* (Torr. & A. Gray) A. Löve & D. Löve - Dorn01, FNA, KTZ, W&W<sup>1</sup>  
 [Aster *borealis* (Torr. & A. Gray) Prov.] - E/W  
 [Aster *junciformis* Rydb.] - WY checklist  
 [Aster *borealis* Prov.] - IMF  
 [Aster *junciformis* Rydb.] - GPF, HDH, SF!, UTF, W&W  
 [Symphyotrichum *boreale* (Prov.) Löve & Löve] - Dorn01  
*Symphyotrichum campestre* (Nutt.) G. L. Nesom - FNA, W&W<sup>1</sup>  
 [Aster *campestris* Nutt.] - HDH, IMF, UTF, E/W  
 [Aster *bloomeri* A. Gray] - FNA  
 [Aster *campestris* Nutt.] - FNA  
 [Aster *campestris* Nutt. var. *bloomeri* (A. Gray) A. Gray] - FNA  
 [Aster *campestris* Nutt. var. *campestris*] - RMC  
 [Symphyotrichum *campestre* (Nutt.) G. L. Nesom var. *bloomeri* (A. Gray) G. L. Nesom] - FNA  
 [Symphyotrichum *campestre* (Nutt.) G. L. Nesom var. *campestre*] - KTZ, W&W<sup>1</sup>  
 [Virgulus *campestris* (Nutt.) Reveal & Keener] - FNA, SF!, W&W

- Symphytotrichum ciliatum* (Ledeb.) G. L. Nesom - Dorn01, FNA, KTZ  
 [Aster brachyactis S. F. Blake] - GPF, HDH, IMF, UTF, E/W  
 [Brachyactis ciliata (Ledeb.) Ledeb. subsp. angusta (Lindl.) A. G. Jones]  
 [Brachyactis ciliata Ledeb. subsp. angusta (Lindl.) A. G. Jones] - SF!, W&W  
 [Erigeron cilatus Ledeb.] - FNA
- Symphytotrichuym ciliolatum* (Lindl.) Á. Löve - FNA  
 [Aster ciliolatus Lindl. - FNA]  
 [Aster ciliolatus Lindl. var. comatus (Fernald) A. G. Jones] - FNA  
 [Aster lindleyanus Torr. & A. Gray] - FNA  
 [Aster wilsonii Rydb.] - FNA
- Symphytotrichum eatonii* (A. Gray) G. L. Nesom - Dorn01, FNA, KTZ  
 [Aster bracteolatus Nutt.] - SFW, W&W, W  
 [Aster eatonii (A. Gray) Howell] - HDH, as synonym of *A. oregonus*, GPF, IMF, UTF  
 [Aster oregonus (Nutt.) Torr. & A. Gray – JM, M&H, HDH, W&W, err. Rep.  
 [Symphyotrichum bracteolatum (Nutt.) G. L. Nesom] - W&W<sup>1</sup>
- Symphytotrichum ericoides* (L.) G. L. Nesom var. *ericoides* - FNA, KTZ  
 [Aster ericoides L. var. *ericoides*] - E/W  
 [Aster ericoides L.] - FNA, GPF, HDH, IMF  
 [Symphyotrichum ericoides (L.) G. L. Nesom] - FNA, W&W<sup>1</sup>  
 [Virgulus ericoides (L.) Reveal & Keener] - FNA, SF!, W&W
- Symphytotrichum ericoides* (L.) G. L. Nesom var. *pansum* (S. F. Blake) G. L. Nesom - FNA, KTZ  
 [Aster ericoides L. var. *pansus* (S. F. Blake) B. Boivin] - E/W  
 [Aster ericoides L. subsp. *pansus* (S. F. Blake) A. G. Jones var. *pansus*]  
 [Aster ericoides L. subsp. *pansus* (S. F. Blake) A. G. Jones var. *stricticaulis* (Torr. & A. Gray) F. C. Gates]  
 [Aster ericoides L. var. *stricticaulis* (Torr. & A. Gray) F. C. Gates] - RMC  
 [Aster pansus (S. F. Blake) Cronquist] - GPF, IMF, UTF  
 [Symphyotrichum ericoides (L.) G. L. Nesom] - W&W<sup>1</sup>  
 [Symphyotrichum ericoides (L.) G. L. Nesom var. *stricticaule* (Torr. & A. Gray) G. L. Nesom] - KTZ  
 [Virgulus ericoides (L.) Reveal & Keener] - SF!, W&W
- Symphytotrichum ericoides* (L.) G. L. Nesom var. *stricticaule* (Torr. & A. Gray) G. L. Nesom - Dorn01, FNA
- Symphytotrichum falcatum* (Lindl.) G. L. Nesom var. *crassulum* (Rydb.) G. L. Nesom - Dorn01, KTZ  
 [Aster commutatus (Torr. & A. Gray) A. Gray] - GPF  
 [Aster commutatus (Torr. & A. Gray) A. Gray var. *commutatus*] - HDH  
 [Aster commutatus (Torr. & A. Gray) A. Gray var. *crassulus* (Rydb.) S. F. Blake] - HDH  
 [Aster commutatus (Torr. & A. Gray) A. Gray var. *polycephalus* (Rydb.) S. F. Blake] - HDH  
 [Aster falcatus Lindl.] - UTF  
 [Aster falcatus Lindl. subsp. *commutatus* (Torr. & A. Gray) A. G. Jones var. *commutatus*] - FNA  
 [Aster falcatus Lindl. subsp. *commutatus* (Torr. & A. Gray) A. G. Jones var. *crassulus* (Rydb.) Cronquist] - FNA  
 [Aster falcatus Lindl. var. *commutatus* (Torr. & A. Gray) A. G. Jones] - IMF, E/W  
 [Aster falcatus Lindl. var. *crassulus* (Rydb.) Cronquist] - IMF, RMC  
 [Symphyotrichum falcatum (Lindl.) G. L. Nesom] - W&W<sup>1</sup>  
 [Symphyotrichum falcatum (Lindl.) G. L. Nesom var. *commutatatum* (Torr. & A. Gray) G. L. Nesom] - KTZ  
 [Virgulus falcatus (Lindl.) Reveal & Keener] - SF!, W&W
- Symphytotrichum falcatum* (Lindl.) G. L. Nesom - Dorn01, FNA, W&W<sup>1</sup>  
 [Aster falcatus Lindl.] - GPF, HDH, UTF  
 [Aster falcatus Lindl. var. *falcatus*] - IMF, E/W  
 [Symphyotrichum falcatum (Lindl.) G. L. Nesom var. *falcatum*] - KTZ  
 [Virgulus falcatus (Lindl.) Reveal & Keener] - SF!, W&W
- Symphytotrichum fendleri* (A. Gray) G. L. Nesom - FNA, KTZ  
 [Aster fendleri A. Gray] - FNA, GPF, HDH, E

- [*Virgulus fendleri* (A. Gray) Reveal & Keener] - FNA, SFE, W&W
- Symphotrichum foliaceum* (DC.) G. L. Nesom var. *apricum* (A. Gray) G. L. Nesom - Dorn01, FNA, KTZ
- [*Aster foliaceus* Lindl.] - SF!
- [*Aster foliaceus* Lindl. ex DC. var. *apricus* A. Gray] - E/W
- [*Aster foliaceus* Lindl. var. *apricus* A. Gray] - HDH, IMF, UTF
- [*Aster foliaceus* Lindl. ex DC. var. *foliaceus*] - W&W
- [*Symphotrichum foliaceum* (DC.) G. L. Nesom] - W&W<sup>1</sup>
- Symphotrichum foliaceum* (DC.) G. L. Nesom var. *canbyi* (A. Gray) G. L. Nesom - Dorn01, FNA, KTZ
- [*Aster foliaceus* Lindl.] - SF!
- [*Aster foliaceus* Lindl. ex DC. var. *canbyi* A. Gray] - E/W
- [*Aster foliaceus* Lindl. var. *canbyi* A. Gray] - HDH, IMF, UTF
- [*Aster foliaceus* Lindl. ex DC. var. *foliaceus*] - W&W
- [*Symphotrichum foliaceum* (DC.) G. L. Nesom] - W&W<sup>1</sup>
- Symphotrichum foliaceum* (DC.) G. L. Nesom var. *parryi* (D. C. Eat.) G. L. Nesom - Dorn01, KTZ
- [*Aster foliaceus* Lindl.] - SF!
- [*Aster foliaceus* Lindl. ex DC. var. *parryi* (D. C. Eaton) A. Gray] - E/W
- [*Aster foliaceus* Lindl. var. *parryi* (D. C. Eaton) A. Gray] - FNA, IMF, UTF
- [*Aster foliaceus* Lindl. var. *frondeus* A. Gray] - HDH
- [*Aster foliaceus* Lindl. ex DC. var. *foliaceus*] - W&W
- [*Symphotrichum foliaceum* (DC.) G. L. Nesom] - W&W<sup>1</sup>
- Symphotrichum frondosum* (Nutt.) G. L. Nesom - Dorn01, FNA, KTZ
- [*Aster frondosus* (Nutt.) Torr. & A. Gray] - HDH, IMF, UTF, E/W
- [*Brachyactis frondosa* (Nutt.) A. Gray] - SF!, W&W
- Symphotrichum laeve* (L.) A. Löve & D. Löve var. *laeve* - FNA, W&W<sup>1</sup>, err. rep.
- [*Aster laevis* L.] - UTF
- [*Aster laevis* L. var. *laevis*] - FCF
- Symphotrichum laeve* (L.) A. Löve & D. Löve var. *geyeri* (A. Gray) G. L. Nesom - FNA, KTZ, W&W<sup>1</sup>
- [*Aster laevis* L.] - UTF
- [*Aster laevis* L. var. *geyeri* A. Gray] - GPF, HDH, IMF, SF!, W&W, E/W
- [*Symphotrichum laeve* (L.) A. Löve & D. Löve]
- Symphotrichum lanceolatum* (Willd.) G. L. Nesom var. *hesperium* (A. Gray) G. L. Nesom - Dorn01, FNA
- [*Aster hesperius* A. Gray] - IMF, UTF
- [*Aster lanceolatus* Willd. subsp. *hesperius* (A. Gray) Semple & Chmiel.] - SF!, W&W, E/W
- [*Aster hesperius* A. Gray var. *hesperius*] - HDH
- [*Aster hesperius* A. Gray var. *laetevirens* (Greene) Cronquist] - GPF, HDH
- [*Symphotrichum lanceolatum* (Willd.) G. L. Nesom] - W&W<sup>1</sup>
- [*Symphotrichum lanceolatum* (Willd.) G. L. Nesom subsp. *hesperium* (A. Gray) G. L. Nesom var. *hesperium* (A. Gray) G. L. Nesom] - KTZ
- Symphotrichum molle* (Rydb.) G. L. Nesom - Dorn01, FNA
- [*Aster mollis* Rydb.] - FNA
- Symphotrichum novae-angliae* (L.) G. L. Nesom - Dorn01, FNA, KTZ, W&W<sup>1</sup>
- [*Aster novae-angliae* L.] - FNA, GPF, HDH, IMF, UTF, E
- [*Symphotrichum foliaceum* (DC.) G. L. Nesom] - W&W<sup>1</sup>
- [*Virgulus novae-angliae* (L.) Reveal & Keener] - FNA, SFE, W&W
- Symphotrichum oblongifolium* (Nutt.) G. L. Nesom - Dorn01, FNA, KTZ, W&W<sup>1</sup>
- [*Aster kumleini* Fr.] - HDH
- [*Aster oblongifolius* Nutt.] - E
- [*Aster oblongifolius* Nutt. var. *oblongifolius*] - GPF

[Virgulus oblongifolius (Nutt.) Reveal & Keener] - FNA, SFE, W&W  
◆ *Symphotrichum porteri* (A. Gray) G. L. Nesom - **ENDEMIC**<CO, NM, WY>, Dorn01,  
FNA, KTZ, W&W<sup>1</sup>

[*Aster ericoides* L. var. *strictus* Porter] - HDH, W&W, misapp.

[*Aster porteri* A. Gray - HDH, SFE, W&W, E

*Symphotrichum spathulatum* (Lindl.) G. L. Nesom var. *spathulatum* - KTZ

[*Aster occidentalis* (Nutt.) Torr. & A. Gray] - UTF

[*Aster occidentalis* (Nutt.) Torr. & A. Gray var. *fremontii* (Torr. & A. Gray) A. G. Jones] - E/W

[*Aster occidentalis* (Nutt.) Torr. & A. Gray var. *occidentalis*] - HDH, E/W

[*Aster spathulatus* Lindl.] - SF!

[*Aster spathulatus* Lindl. ex DC.] - W&W

[*Aster spathulatus* Lindl. var. *spathulatus*] - IMF

[*Symphotrichum spathulatum* (Lindl.) G. L. Nesom] - W&W<sup>1</sup>

*Tagetes micrantha* Cavanilles - FNA, KWA, KTZ, M&H

[*Tagetes fragrantissima* Sessé & Moc.] - KTZ

*Tagetes patula* L. - Dorn01

*Tanacetum* (see also **Chrysanthemum, Sphaeromeria**)

∴ *Tanacetum balsamita* L. - Dorn01, FNA, IMF

[*Balsamita major* Desf.] - FNA, KTZ, W&W

[*Chrysanthemum balsamita* L.] - GPF, HDH

[*Chrysanthemum balsamita* (L.) Baillon] - FNA

[*Chrysanthemum balsamita* (L.) Baillon var. *tanacetoids* Boisser] - FNA

[*Pyrethrum majus* (Desf.) Tzvelev] - FNA

∴ *Tanacetum parthenium* (L.) Sch. Bip. - Dorn01, FNA, IMF, KTZ, W&W

[*Chrysanthemum parthenium* (L.) Bernh.] - GPF, UTF

∴ *Tanacetum vulgare* L. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Taraxacum ceratophorum* (Ledeb.) DC. - Dorn01, FNA, HDH, IMF, UTF, W&W<sup>1</sup>, misid., E/W

[NS - see FNA Vo. 19: 247 for additional synonymy]

[*Taraxacum dumetorum* Greene] - W&W

[*Taraxacum officinale* Weber ex F. H. Wigg. subsp. *ceratophorum* (Ledeb.) Schinz ex Thell.] - KTZ

[*Taraxacum ovinum* Greene] - W&W

[*Taraxacum ovinum* Rydb.] - SF!

*Taraxacum eriophorum* Rydb. - Dorn01, HDH, KTZ, SF!, W&W, E/W

*Taraxacum erythrospermum* Andrz. ex Besser - FNA, HDH

[*Taraxacum laevigatum* (Willd.) DC. var. *erythrospermum* (Andrz. ex Besser) J. Weiss] - FNA

[*Taraxacum officinale* F. H. Wiggers var. *erythrospermum* (Andrz. ex Besser) Babington] - FNA

[*Taraxacum scanicum* Dahlstedt] - FNA

∴ *Taraxacum laevigatum* (Willd.) DC. - Dorn01, GPF, IMF, KTZ, UTF, E/W

[*Taraxacum officinale* Weber] - SF!

*Taraxacum lyratum* (Ledeb.) DC.] - HDH, IMF, KTZ, UTF, W&W, misapp., E/W

[*Taraxacum phymatocarpum* J. Vahl] - W&W, W&W<sup>1</sup>, misid.

∴ *Taraxacum officinale* Weber ex F. H. Wigg. - Dorn01, FNA, IMF, UTF, W&W, E/W

[*Taraxacum officinale* Weber] - GPF, SF!

[*Taraxacum officinale* F. H. Wigg.] - HDH

[*Taraxacum officinale* Weber ex F. H. Wigg. subsp. *officinale*] - KTZ

*Taraxacum scopulorum* (A. Gray) Rydb. - Dorn01, SF!, W&W

[*Taraxacum officinale* F. H. Wiggers var. *scopulorum* A. Gray in A. Gray] - FNA

[*Leontodon scopulorum* (A. Gray) Rydb.] - FNA

∴ *Taraxacum vulgare* Lam.

[*Taraxacum officinale* Weber ex F. H. Wigg. subsp. *vulgare* (Lam.) Schinz & R. Keller] –  
[*Taraxacum officinale* Weber ex F. H. Wigg. subsp. *officinale*] - KTZ

*Tetradymia canescens* DC. - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
{*Tetradymia glabrata* Torr. & A. Gray} - KTZ <UT>, &W, err. rep.  
*Tetradymia nuttallii* Torr. & A. Gray - Dorn01, FNA, HDH, IMF, KTZ, SFW, UTF, W&W, W  
*Tetradymia spinosa* Hook. & Arn. - Dorn01, FNA, HDH, KTZ, SFW, UTF, W&W, W  
[*Tetradymia spinosa* Hook. & Arn. var. *spinosa*] - IMF

## Tetraneuris

(Identification sources: \_\_\_\_\_)

*Tetraneuris acaulis* (Pursh) Greene var. *acaulis* - Dorn01, FNA, KTZ, E/W  
[*Hymenoxys acaulis* (Pursh) Parker var. *acaulis*] - GPF, HDH, IMF  
[*Tetraneuris acaulis* (Pursh) Greene] - SF!, W&W  
*Tetraneuris acaulis* (Pursh) Greene var. *arizonica* (Greene) Parker - Dorn01, FNA, KTZ, W&W,  
err. rep., E/W  
[*Hymenoxys acaulis* (Pursh) Parker var. *arizonica* (Greene) Parker] - HDH, IMF, UTF  
[*Tetraneuris acaulis* (Pursh) Greene] - SF!, W&W  
*Tetraneuris acaulis* (Pursh) Greene var. *caespitosa* A. Nelson - Dorn01, FNA, KTZ, E/W  
[*Hymenoxys acaulis* (Pursh) Parker var. *caespitosa* (A. Nelson) Parker] - HDH, IMF  
[*Hymenoxys acaulis* (Pursh) Parker var. *lanata* (Greene) Cronquist] - UTF  
[*Tetraneuris brevifolia* Greene] - SF!, W&W  
*Tetraneuris acaulis* (Pursh) Greene var. *epunctata* (A. Nelson) Kartesz & Gandhi - FNA, KTZ  
[*Hymenoxys acaulis* (Pursh) Parker var. *epunctata* (A. Nelson) Cronquist] - IMF<CO>, UTF  
[*Tetraneuris acaulis* (Pursh) Greene] - SF!, W&W  
*Tetraneuris argentea* (A. Gray) Greene - KWA, JM, KTZ <AZ, NM>, W&W <AZ, NM>  
[*Actinella argentea* Gray] - KTZ, M&H  
[*Actinella formosa* A. Nels.] - M&H  
[*Actinella leptoclada* Gray] - M&H  
[*Hymenoxys argentea* (Gray) Parker] - M&H KTZ  
*Tetraneuris ivesiana* Greene - FNA, KTZ, SF!, W&W, E/W  
[*Hymenoxys acaulis* (Pursh) Parker var. *ivesiana* (Greene) Parker] - HDH, UTF  
[*Hymenoxys argentea* (A. Gray) Parker var. *ivesiana* (Greene) Cronquist] - IMF  
*Tetraneuris scaposa* (DC.) Greene var. *scaposa* - FNA, KTZ, E  
[*Hymenoxys scaposa* (DC.) Parker var. *glabrata* (Nutt.) Parker] - GPF  
[*Hymenoxys scaposa* (DC.) Parker var. *linearis* (Nutt.) Parker] - HDH  
[*Hymenoxys scaposa* (DC.) Parker var. *scaposa*] - GPF, HDH  
[*Tetraneuris scaposa* (DC.) Greene] - W&W  
[*Tetraneuris scaposa* (DC.) Greene var. *linearis* Parker] - SFE  
[*Tetraneuris scaposa* (DC.) Greene var. *linearis* (Nutt.) Parker] - KTZ  
*Tetraneuris torreyana* (Nutt.) Greene - Dorn01, FNA, KTZ, SF!, W&W, E/W  
[*Hymenoxys torreyana* (Nutt.) Parker] - IMF, UTF

{*Thelesperma ambiguum* A. Gray} - GPF, KTZ, W&W

*Thelesperma caespitosum* Dorn - Dorn01

*Thelesperma filifolium* (Hook.) A. Gray - FNA, SFE

[*Thelesperma filifolium* (Hook.) A. Gray var. *intermedium* (Rydb.) Shinnery] - Dorn01, GPF, KTZ, W&W, E  
[*Thelesperma trifidum* (Poir.) Britton] - HDH

*Thelesperma megapoticum* (Spreng.) Kuntze - Dorn01, FNA, HDH, KTZ, SFE, W&W, E

◆ *Thelesperma pubescens* Dorn - **ENDEMIC <WY>**, Dorn01, KTZ

[NS - as recognized by Dorn01 evidently endemic to WY (see UT3: 236)]

[*Thelesperma subnudum* var. *alpinum* Welsh] - KTZ, UT3

[*Thelesperma windhamii* C. J. Hansen] - UT3

*Thelesperma subnudum* A. Gray - FNA, GPF, HDH, SF!, W&W

[*Thelesperma caespitosum* Dorn] - KTZ

[*Thelesperma subnudum* Gray var. *caespitosum* (Dorn) Welsh] - KTZ

[*Thelesperma subnudum* A. Gray var. *subnudum*] - IMF, KTZ, UTF, E/W

[*Thelesperma marginatum* Rydb.] - Dorn01, KTZ

[*Thelesperma subnudum* A. Gray var. *marginatum* (Rydb.) T. E. Melchert ex Cronq.] - KTZ

*Thymophylla aurea* (A. Gray) Greene ex Britton var. *aurea* - KTZ, E

[*Dyssodia aurea* (A. Gray) A. Nelson] - GPF, HDH, SFE, W&W

[*Lowellia aurea* A. Gray] - FNA

[*Thymophylla aurea* (A. Gray) Greene] - W&W<sup>1</sup>

[*Thymophylla aurea* (A. Gray) Greene var. *aurea*] - KTZ

*Tonestus lyallii* (A. Gray) A. Nelson - FNA, KTZ, SF!, W&W, E/W

[*Haplopappus lyallii* A. Gray] - HDH, IMF

*Tonestus pygmaeus* (Torr. & A. Gray) A. Nelson - FNA, KTZ, SF!, W&W, E/W

[*Haplopappus pygmaeus* (Torr. & A. Gray) A. Gray] - HDH

[*Stenotus pygmaeus* Torr. & A. Gray] - FNA

Townsendia

(Identification sources: \_\_\_\_\_)

*Townsendia annua* Beaman - FNA, IMF, KTZ, SFW, UTF, W&W, W

*Townsendia eximia* A. Gray - FNA, HDH, KTZ, SFE, W&W, E

*Townsendia exscapa* (Richards.) Porter - Dorn01, FNA, GPF, HDH, KTZ, SF!, W&W, E/W

[*Aster exscapa* Richards. in J. Franklin et al.] - FNA

[*Townsendia sericea* Hook.] - FNA, HDH

*Townsendia fendleri* A. Gray - FNA, KTZ, SFE, W&W, E

*Townsendia formosa* Greene - FNA, GREE (*Hazlett 11,155*; Colfax Co., NM)

◆ *Townsendia glabella* A. Gray - **ENDEMIC <CO>**, FNA, HDH, KTZ, SFW, W&W, W

*Townsendia grandiflora* Nutt. - Dorn01, FNA, GPF, HDH, KTZ, SFE, W&W, E

*Townsendia hookeri* Beaman - Dorn01, FNA, GPF, IMF, KTZ, SF!, UTF, W&W, E/W

*Townsendia incana* Nutt. - Dorn01, FNA, HDH, IMF, KTZ, SFW, UTF, W&W, W

*Townsendia leptotes* (A. Gray) Osterh. - Dorn01, FNA, HDH, KTZ, SF!, UTF, W&W, E/W

◆ *Townsendia microcephala* Dorn - **ENDEMIC <WY>**, Dorn01, FNA, KTZ

*Townsendia montana* M. E. Jones - FNA, W&W

[*Townsendia alpigena* Piper var. *alpigena*] - KTZ

[*Townsendia alpigena* Piper var. *caelilimensis* (S. L. Welsh) Kartesz & Gandhi] - FNA

[*Townsendia montana* M. E. Jones var. *montana*] - IMF, UTF

[*Townsendia montana* M. E. Jones var. *caelilimensis* S. L. Welsh] - FNA

*Townsendia nuttallii* Dorn - Dorn01, KTZ

{*Townsendia hookeri* Beaman} - IMF

*Townsendia parryi* D. C. Eaton - Dorn01, FNA, KTZ

◆ *Townsendia rothrockii* A. Gray ex Rothrock - **ENDEMIC <CO>**, FNA, KTZ, W&W, E/W

[*Townsendia rothrockii* A. Gray] - HDH, SF!



*Townsendia spathulata* Nutt. - Dorn01, FNA, KTZ

*Townsendia strigosa* Nutt. - FNA, IMF, KTZ, SFW, UTF, W&W, W

[*Townsendia strigosa* Nutt. var. *strigosa*] - UT3

[*Townsendia strigosa* var. *prolixa* S. L. Welsh] - FNA

∴ *Tragopogon dubius* Scop. - Dorn01, FNA, GPF, IMF, KTZ, UTF, E/W

[*Tragopogon dubius* Scop. subsp. *major* (Jacq.) Vollman] - HDH, SF!, W&W

*Tragopogon lamottei* Rouy - Dorn01

∴ *Tragopogon porrifolius* L. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

∴ *Tragopogon pratensis* L. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Trimorpha* (see **Erigeron**)

*Tripleurospermum* (see **Matricaria**)

*Unamia* (see **Solidago**)

*Verbesina encelioides* (Cav.) Benth. & Hook. - FNA

[*Verbesina encelioides* (Cav.) Benth. & Hook. f. ex A. Gray var. *exauriculata* B. L. Rob. & Greenm.] - IMF, E/W

[*Verbesina encelioides* (Cav.) Benth. & Hook. subsp. *exauriculata* (B. L. Rob. & Greenm.) J. R. Coleman] - GPF

[*Verbesina encelioides* (Cav.) Benth. & Hook. f. ex A. Gray subsp. *exauriculata* (B. L. Rob. & Greenm.) J. R. Coleman] - KTZ

[*Verbesina encelioides* (Cav.) Benth. & Hook. var. *exauriculata* B. L. Rob. & Greenm.] - Dorn01, HDH

[*Verbesina encelioides* (Cav.) Benth. var. *exauriculata* B. L. Rob. & Greenm.] - UTF

[*Ximenesia encelioides* Cav.] - SF!, W&W

*Vernonia baldwinii* Torr. var. *interior* (Small) B. G. Schub. - E, FNA

[*Vernonia baldwinii* Torr. subsp. *interior* (Small) W. Z. Faust] - GPF, KTZ, SFE, W&W

*Vernonia fasciculata* Michx. - FNA, HDH

[*Vernonia fasciculata* Michx. var. *corymbosa* (Schwein. ex Keating) Daniels] - E

[*Vernonia fasciculata* Michx. subsp. *corymbosa* (Schwein.) A.Löve & D.Löve] - SFE, W&W

[*Vernonia fasciculata* Michx. subsp. *corymbosa* (Schwein. ex Keating) S. B. Jones] - GPF, KTZ

*Vernonia marginata* (Torr.) Raf. - FNA, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E

*Viguiera* (see **Heliomeris**)

*Virgulus* (see **Aster**)

*Virgulaster* (see **Aster**)

*Wyethia amplexicaulis* (Nutt.) Nutt. - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Wyethia arizonica* A. Gray - FNA, HDH, IMF, KTZ, SFW, UTF, W&W, W

◆ *Wyethia X magna* A. Nelson - **ENDEMIC** <CO, NM>, FCF, KTZ, SFW, W

[*Wyethia amplexicaulis* X *W. arizonica*] - KTZ

[*Wyethia magna* A. Nelson ex W. A. Weber] - W&W

*Xanthisma*

(Identification sources: \_\_\_\_\_)

◆ *Xanthisma coloradense* (A. Gray) D. R. Morgan & R. L. Hartm. - **ENDEMIC<CO, WY>**

[RH - with numerous new collections during the past 25 years, the two varieties appear to have merged]

[*Aster coloradoensis* A. Gray] - FNA, HDH

[*Haplopappus coloradoensis* (A. Gray) R. L. Hartm. ex Dorn] - RMC

[*Machaeranthera coloradensis* (A. Gray) Osterh.] - Dorn01, IMF, SF!, E/W

[*Machaeranthera coloradoensis* (A. Gray) Osterh. var. *brandegeei* (Rydb.) T. J. Watson ex R. L. Hartm.] - KTZ

[*Machaeranthera coloradoensis* (A. Gray) Osterh. var. *brandegei* (Rydb.) T. J. Watson ex R. L. Hartm.] - W&W<sup>1</sup>

[*Machaeranthera coloradoensis* (A. Gray) Osterh. var. *coloradoensis*] - KTZ

[*Machaeranthera coloradoensis* (A. Gray) Osterh. var. *coloradoensis*] - W&W

*Xanthisma gracile* (Nutt.) D. R. Morgan & R. L. Hartman - FNA

[*Dieteria gracilis* Nutt.] - FNA

[*Haplopappus gracilis* (Nutt.) A. Gray] - HDH, IMF, UTF

[*Haplopappus ravenii* R. C. Jackson] - FNA

[*Machaeranthera gracilis* (Nutt.) Shinners - KTZ, SFW, W&W, W

*Xanthisma grindelioides* (Nutt.) D. R. Morgan & R. L. Hartman var. *grindelioides* - FNA

[*Eriocarpum grindelioides* Nutt.] - FNA

[*Haplopappus nuttallii* (Torr.) A. Gray] - HDH

[*Haplopappus nuttallii* Torr. & A. Gray var. *nuttallii*] - RMC

[*Machaeranthera grindelioides* (Nutt.) Shinners] - Dorn01, GPF, SFW, W&W

[*Machaeranthera grindelioides* (Nutt.) Shinners var. *grindelioides*] - IMF, KTZ, UTF, W

*Xanthisma spinulosum* (Pursh) D. R. Morgan & R. L. Hartm. var. *glaberrimum* (Rydb.) D.R.

Morgan & R. L. Hartm. - FNA

[*Sideranthus glaberrimus* Rydb.] - FNA

[*Haplopappus spinulosus* (Pursh) DC. subsp. *glaberrimus* (Rydb.) H. M. Hall] - FNA

[*Haplopappus spinulosus* (Pursh) DC. var. *glaberrimus* (Rydb.) S. F. Blake] - FNA

[*Machaeranthera pinnatifida* (Hook.) Shinners var. *glaberrima* (Rydb.) B. L. Turner & R. L. Hartm.] - Dorn01, FNA

[*Xanthisma glaberrimum* (Rydb.) G. L. Nesom & O'Kennon] - FNA

*Xanthisma spinulosum* (Pursh) D. R. Morgan & R. L. Hartm. var. *spinulosum*

[*Haplopappus spinulosus* (Pursh) DC. subsp. *cotula* (Small) H. M. Hall] - FNA

[*Haplopappus texensis* R. C. Jackson] - FNA

[*Machaeranthera texensis* (R. C. Jackson) Shinners] - FNA

[*Sideranthus turbinellus* Rydb] - FNA

*Xanthisma spinulosum* (Pursh) D. R. Morgan & R. L. Hartm. var. *paradoxum* (B. L. Turner & R.

L. Hartm.) D. R. Morgan & R. L. Hartm. - FNA

[*Machaeranthera pinnatifida* (Hook.) Shinners var. *paradoxa* B. L. Turner & R. L. Hartm.] - FNA

[*Haplopappus spinulosus* (Pursh) DC. var. *paradoxus* (B. L. Turner & R. L. Hartm.) Cronq.] - FNA

∴ *Xanthium spinosum* L. - FNA, GPF, HDH, IMF, KTZ, UTF, E

[*Acanthoxanthium spinosum* (L.) Fourr.] - SFE, W&W

Δ *Xanthium strumarium* L. - FNA, SF!, W&W

[NS - numerous additional synonymy in FNA 21: 19]

[*Xanthium strumarium* L. var. *canadense* (Mill.) Torr. & A. Gray] - Dorn01, GPF, IMF, KTZ, UTF, E/W

[*Xanthium chilense* Mill.] - HDH

[*Xanthium italicum* Moretti] - HDH

[*Xanthium pensylvanicum* Wallr.] - HDH

*Xanthocephalum* (see **Gutierrezia**)

Ximenesia (see **Verbesina**)

Xylorhiza glabriuscula Nutt. - Dorn01, FNA, SFW, W&W

[Xylorhiza glabriuscula Nutt. var. glabriuscula] - GPF, KTZ, UTF, W

[Aster xylorrhiza Torr. & A. Gray] - HDH

[Machaeranthera glabriuscula (Nutt.) Cronquist & D. D. Keck] - IMF

{Xylorhiza glabriuscula Nutt. var. villosa (Nutt.) A. Nelson} - KTZ

{Machaeranthera glabriuscula (Nutt.) Cronquist & D. D. Keck} - IMF

{Xylorhiza glabriuscula Nutt.} - W&W

Xylorhiza venusta (M. E. Jones) A. Heller - FNA, KTZ, SFW, UTF, W&W, W

[Aster venustus M. E. Jones] - HDH

[Machaeranthera venusta (M. E. Jones) Cronquist & D. D. Keck] - IMF

Zinnia grandiflora Nutt. - FNA, GPF, HDH, IMF, KTZ, SFE, W&W, E

### **Balsaminaceae - BLS**

Δ Impatiens capensis Meerb. - GPF, HDH, KTZ, SFE, W&W, E

### **Berberidaceae - BER**

Berberis fendleri A. Gray - FNA, HDH, KTZ, SF!, UTF, W&W, E/W

Berberis fremontii Torr. - FNA, HDH

[Mahonia fremontii (Torr.) Fedde] - KTZ, SFW, UTF, W&W, W

Berberis haematocarpa Wooton - FNA

[Mahonia haematocarpa (Wooton) Fedde] - KTZ, SFE, W&W, E

Berberis repens Lindl. - FNA, GPF, HDH

[Mahonia repens (Lindl.) G. Don] - Dorn01, KTZ, SF!, UTF, W&W, E/W

∴ Berberis vulgaris L. - FNA, HDH, KTZ, SFE, UTF, W&W, E

Mahonia (see **Berberis**)

### **Betulaceae - BET (including Corylaceae)**

Alnus incana (L.) Moench var. occidentalis (Dippel) C. L. Hitchc. - Dorn01, E/W

[Alnus incana (L.) Moench subsp. rugosa (Du Roi) R. T. Clausen var. occidentalis (Dippel)  
C. L. Hitchc.] - UTF

[Alnus incana (L.) Moench subsp. tenuifolia (Nutt.) Breitung] - FNA, KTZ, SF!, W&W

[Alnus incana (L.) Moench subsp. tenuifolia (Nutt.) Breitung forma incisa (W. A. Weber) W.  
A. Weber] - SFW, W&W

[Alnus tenuifolia Nutt.] - HDH

Betula X eastwoodiae Sarg. - FNA, KTZ

[Betula fontinalis X B. glandulosa] - W&W

[Betula glandulosa X B. occidentalis] - FNA

[Betula nana X B. occidentalis] - KTZ

Betula glandulosa Michx. - Dorn01, Hartman06, FNA, HDH, SF!, UTF, W&W, E/W

[Betula nana L.] - KTZ

*Betula occidentalis* Hook. - Dorn01, FNA, GFC, GPF, HDH, KTZ, UTF, E/W  
[*Betula fontinalis* Sarg.] - SF!, W&W

*Betula papyrifera* Marshall var. *papyrifera* - GPF, KTZ, E  
[*Betula papyrifera* Marshall] - Dorn01, FNA, HDH, SFE, UTF, W&W

∴ *Betula pendula* Roth - FNA, KTZ, UTF  
[WJ - an escape in Jefferson Co.]

{*Betula pumila* L.} - FNA, err. in ed.; Dorn01 (also dismisses its occurrence in WY)  
{WJ - not in Colorado}  
{*Betula glandulosa* Michx. var. *glandulifera* (Regel) Gleason} - GPF  
{*Betula pumila* L. var. *glandulifera* Regel} - KTZ

*Betula X utahensis* Britton - FNA, KTZ, SFE, UTF, W&W fide formula, E  
[*Betula occidentalis* X *B. papyrifera*] - KTZ

*Corylus cornuta* Marshall var. *cornuta* - KTZ, E  
[*Corylus cornuta* Marshall] - Dorn01, GPF, HDH, SFE, W&W  
[*Corylus cornuta* Marshall subsp. *cornuta*] - FNA

## **Bignoniaceae - BIG**

Δ *Campsis radicans* (L.) Seem. ex Bureau - IMF, KTZ, E/W  
[WJ - widely cultivated but evidently never truly "escaping"]  
[*Campsis radicans* (L.) Seem.] - GPF, SF!, UTF, W&W

*Catalpa speciosa* (Warder) Warder ex Engelm. - KTZ<KS, NE, OK, UT>  
[WJ - probably only rarely persisting as an escapee in our region]  
[*Catalpa speciosa* Warder] - GPF, UTF  
[*Catalpa speciosa* Warder ex Engelm.] - IMF

## **Boraginaceae - BOR (including Ehretiaceae and HYD)**

{*Amsinckia douglasiana* A. DC.} - HDH, KTZ, W&W, misid.  
{*Amsinckia intermedia* Fisch. & C. A. Mey.} - GPF, HDH, IMF, UTF, W&W, misid.  
{*Amsinckia menziesii* (Lehm.) A. Nelson & Macbr. var. *intermedia* (Fisch. & C. A. Mey.) Ganders - KTZ<AZ, NE, UT, WY>

Δ *Amsinckia lycopoides* Lehm. - Dorn01, GPF, KTZ, SFE, W&W, E

Δ *Amsinckia menziesii* (Lehm.) A. Nelson & J. F. Macbr. var. *menziesii* - KTZ, E  
[*Amsinckia menziesii* (Lehm.) A. Nelson & J. F. Macbr.] - IMF, SFE, UTF, W&W  
[*Amsinckia retrorsa* Suksd.] - SFE, W&W  
[*Amsinckia rugosa* Rydb.] - HDH

∴ *Anchusa azurea* Mill. - KTZ, SFE, UTF, W&W, E

∴ *Anchusa officinalis* L. - Dorn01, HDH, IMF, KTZ, SFE, UTF, W&W, E

∴ *Asperugo procumbens* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

Buglossoides (see **Lithospermum**)

Cryptantha

(Identification sources: \_\_\_\_\_)

- Cryptantha affinis* (A. Gray) Greene - Dorn01, KTZ, HDH, W&W<sup>1</sup>  
[*Krynitzkia affinis* A. Gray] - UT3
- Cryptantha ambigua* (A. Gray) Greene - Dorn01, HDH, IMF, KTZ, SFW, UTF, W&W, W
- †♦ *Cryptantha aperta* (Eastw.) Payson - **ENDEMIC** <CO>, HDH, KTZ, W  
[EXTINCT fide KTZ]  
[*Oreocarya aperta* Eastw.] - SFW, W&W
- Cryptantha bakeri* (Greene) Payson - HDH, IMF, KTZ, UTF, W  
[*Oreocarya bakeri* Greene] - SFW, W&W
- Cryptantha breviflora* (Osterh.) Payson - IMF, KTZ, UTF, W  
[*Oreocarya breviflora* Osterh.] - SFW, W&W
- Cryptantha caespitosa* (A. Nelson) Payson - Dorn01, HDH, exp., IMF, KTZ, UTF, W  
[*Oreocarya caespitosa* A. Nelson] - SFW, W&W
- Cryptantha cana* (A. Nelson) Payson - Dorn01, GPF, HDH, KTZ, E  
[*Oreocarya cana* A. Nelson] - SFE, W&W
- Cryptantha celosioides* (Eastw.) Payson - Dorn01, GPF, IMF, KTZ, E  
[*Cryptantha bradburiana* Payson] - HDH  
[*Oreocarya celosioides* Eastw.] - SFE, W&W
- Cryptantha cinerea* (Greene) Cronquist var. *cinerea* - IMF, KTZ, W  
[*Cryptantha cinerea* (Torr.) Cronquist var. *cinerea*] - UTF  
[*Cryptantha jamesii* (Torr.) Payson var. *jamesii*] - HDH  
[*Krynitzkia mutitcaulis* var. *setosa* M. E. Jones] - UT3  
[*Oreocarya suffruticosa* (Torr.) Greene] - SFW, W&W<sup>1</sup>
- Cryptantha cinerea* (Greene) Cronquist var. *jamesii* Cronquist - Dorn01, IMF, KTZ, E/W  
[*Cryptantha cinerea* (Torr.) Cronquist var. *jamesii* (Payson) Cronquist] - UTF  
[*Cryptantha jamesii* (A. Gray) Payson var. *disticha* (Eastwood) Payson] - UT3  
[*Cryptantha jamesii* (Torr.) Payson] - GPF  
[*Cryptantha jamesii* (Torr.) Payson var. *jamesii*] - HDH  
[*Krynitzkia jamesii* A. Gray] - UT3  
[*Oreocarya disticha* Eastwood] - UT3  
[*Oreocarya suffruticosa* (Torr.) Greene] - SF!, W&W
- Cryptantha cinerea* (Greene) Cronquist var. *pustulosa* (Rydb.) L. C. Higgins - KTZ, E/W  
[*Cryptantha cinerea* (Torr.) Cronquist var. *pustulosa* (Rydb.) L. C. Higgins] - UTF  
[*Cryptantha jamesii* (Torr.) Payson var. *pustulosa* (Rydb.) Harrington] - HDH  
[*Cryptantha pustulosa* (Rydb.) Payson] - IMF  
[*Oreocarya pustulosa* Rydb.] - SF!, W&W
- Cryptantha circumscissa* (Hook. & Arn.) I. M. Johnst. var. *circumscissa* - HDH, KTZ, W  
[*Cryptantha circumscissa* (Hook. & Arn.) I. M. Johnst.] - Dorn01, IMF, SFW, UTF, W&W
- {*Cryptantha confertifolia* (Greene) Payson} - IMF, KTZ, UTF <UT>
- {*Cryptantha crassisejala* (Torr. & A. Gray) Greene var. *crassisejala*} - KTZ, W&W<sup>1</sup>, E  
{*Cryptantha crassisejala* (Torr. & A. Gray) Greene} - GPF, HDH, SFE  
{*Cryptantha kelseyana* Greene} - W&W
- Cryptantha crassisejala* (Torr. & A. Gray) Greene var. *elachantha* I. M. Johnst. - IMF, KTZ, SFW, UTF, W&W, W  
[*Cryptantha crassisejala* (Torr. & A. Gray) Greene] - HDH
- Cryptantha elata* (Eastw.) Payson - HDH, IMF, KTZ, UTF, W  
[*Oreocarya elata* Eastw.] - SFW, W&W
- Cryptantha fendleri* (A. Gray) Greene - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
[*Cryptantha pattersonii* (A. Gray) Greene] - HDH  
[*Krynitzkia fendleri* A. Gray] - UT3
- Cryptantha flava* (A. Nelson) Payson - Dorn01, HDH, IMF, KTZ, UTF, W

[*Oreocarya flava* A. Nelson] - SFW, W&W  
*Cryptantha flavoculata* (A. Nelson) Payson - Dorn01, HDH, IMF, KTZ, UTF, W  
 [*Oreocarya flavoculata* A. Nelson] - SFW, W&W  
*Cryptantha fulvocanescens* (S. Watson) Payson var. *fulvocanescens* - KTZ <AZ, NM, UT>  
 [*Cryptantha fulvocanescens* (S. Watson) Payson] - IMF, UTF  
 [*Cryptantha fulvocanescens* (A. Gray) Payson] - HDH  
 [*Krynitzkia fulvocanescens* A. Gray] - UT3  
 [*Oreocarya fulvocanescens* (A. Gray) Greene] - SFW, W&W<sup>1</sup>  
*Cryptantha fulvocanescens* (S. Watson) Payson var. *nitida* (Greene) Sivinski - KTZ, W  
 [*Cryptantha fulvocanescens* (A. Gray) Payson] - HDH  
 [*Oreocarya fulvocanescens* (A. Gray) Payson] - SFW  
 [*Oreocarya nitida* Greene] - W&W  
*Cryptantha gracilis* Osterh. - Dorn01, HDH, IMF, KTZ, SFW, UTF, W&W, W  
 ◆*Cryptantha gypsophila* Reveal & C. R. Broome - Reveal06  
*Cryptantha humilis* (A. Gray) Payson - KTZ, W  
 [*Cryptantha humilis* (Greene) Payson] - IMF  
 [*Cryptantha humilis* (Greene) Payson var. *conmixta* (Macbride) L. C. Higgins] - UT3  
 [*Cryptantha humilis* (Greene) Payson var. *nana* (Eastw.) Payson] - UTF  
 [*Cryptantha humilis* (Greene) var. *shantzii* (Tidestrom) L. C. Higgins] - UT3  
 [*Cryptantha nana* (Eastw.) Payson var. *nana*] - HDH  
 [*Cryptantha nana* (Eastw.) Payson var. *ovina* Payson] - UT3  
 [*Oreocarya conmixta* Macbride] - UT3  
 [*Oreocarya dolorosa* Macbride] - UT3  
 [*Oreocarya humilis* Greene subsp. *nana* (Eastw.) W. A. Weber] - SFW, W&W  
 [*Oreocarya shantzii* Tidestrom] - UT3  
*Cryptantha kelseyana* Greene - Dorn01, HDH, IMF, KTZ, UTF  
 [*Cryptantha crassisejala* (Torr. & A. Gray) Greene var. *crassisejala*] - HDH, W&W<sup>1</sup>  
*Cryptantha longiflora* (A. Nelson) Payson - HDH, IMF, KTZ, UTF, W  
 [*Oreocarya longiflora* A. Nelson] - SFW, W&W  
*Cryptantha mensana* (M. E. Jones) Payson - IMF, KTZ, UTF, W  
 [*Krynitzkia mensana* M. E. Jones] - UT3  
 [*Oreocarya mensana* M. E. Jones] - SFW, W&W  
*Cryptantha minima* Rydb. - Dorn01, GPF, HDH, IMF, KTZ, SF!, W&W, E/W  
*Cryptantha osterhoutii* (Payson) Payson - HDH, IMF, KTZ, UTF, W  
 [*Oreocarya osterhoutii* Payson] - SFW, W&W  
*Cryptantha paradoxa* (A. Nelson) Payson - HDH, IMF, KTZ, UTF, W  
 [*Oreocarya paradoxa* A. Nelson] - SFW, W&W  
*Cryptantha pterocarya* (Torr.) Greene var. *cycloptera* (Greene) J. F. Macbr. - HDH, KTZ  
*Cryptantha pterocarya* (Torr.) Greene var. *pterocarya* - HDH, IMF, KTZ, UTF, W  
 [*Cryptantha pterocarya* (Torr.) Greene] - SFW, W&W  
*Cryptantha recurvata* Coville - HDH, IMF, KTZ, SFW, UTF, W&W, W  
*Cryptantha rollinsii* I. M. Johnst. - Dorn01, IMF, KTZ, UTF, W  
 [*Oreocarya rollinsii* (I. M. Johnst.) W. A. Weber] - SFW, W&W  
*Cryptantha scoparia* A. Nelson - Dorn01, IMF, KTZ, SFW, UTF, W&W, W  
*Cryptantha sericea* (A. Gray) Payson - Dorn01, IMF, KTZ, UTF, W  
 [*Cryptantha sericea* (A. Gray) Payson var. *sericea*] - HDH  
 [*Krynitzkia sericea* A. Gray] - UT3  
 [*Oreocarya sericea* (A. Gray) Greene] - SFW, W&W  
*Cryptantha stricta* (Osterh.) Payson - Dorn01, HDH, IMF, KTZ, UTF, W  
 [*Oreocarya stricta* Osterh.] - SFW, W&W  
*Cryptantha thyrsoflora* (Greene) Payson - Dorn01, GPF, HDH, KTZ, E  
 [*Oreocarya thyrsoflora* Greene] - SFE, W&W

*Cryptantha tenuis* (Eastw.) Payson - FCF

*Cryptantha torreyana* (A. Gray) Greene - Dorn01, W&W<sup>1</sup>, misid.

[*Cryptantha calycosa* (Gray) Rydb.] - KTZ

[*Cryptantha eastwoodiae* St. John] - KTZ

[*Cryptantha flexuosa* (A. Nels.) A. Nels.] - KTZ

[*Cryptantha torreyana* var. *calycosa* (Gray) Greene] - KTZ

[*Cryptantha torreyana* var. *pumila* (Heller) I. M. Johnst.] - KTZ

[*Krynitzkia torreyana* A. Gray] - UT3

◆ *Cryptantha virgata* (Porter) Payson - **ENDEMIC** <CO, WY>, Dorn01, HDH, KTZ, E  
[*Oreocarya virgata* (Porter) Greene] - SFE, W&W

*Cryptantha watsonii* (A. Gray) Greene - Dorn01, HDH, IMF, KTZ, SFW, UTF, W&W, W  
[*Krynitzkia watsonii* A. Gray] - UT3

◆ *Cryptantha weberi* I. M. Johnst. - **ENDEMIC** <CO>, HDH, KTZ, E/W  
[*Oreocarya weberi* (I. M. Johnst.) W. A. Weber] - SF!, W&W

∴ *Cynoglossum officinale* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

∴ *Echium vulgare* L. - Dorn01, GPF, HDH, IMF, KTZ, UTF, W&W

*Ellisia nyctelea* (L.) L. - Dorn01, IMF, KTZ, SF!, W&W, E/W  
[*Ellisia nyctelea* L.] - GPF, HDH

*Eritrichium nanum* (Vill.) Schrad. var. *elongatum* (Rydb.) Cronquist - Dorn01, IMF, UTF, E/W  
[*Eritrichium nanum* (Vill.) Schrad. var. *argenteum* (Wight) I. M. Johnst.] - IMF, not distinct  
[*Eritrichium nanum* (Vill.) Schrad. ex Gaudin var. *elongatum* (Rydb.) Cronquist] - KTZ  
[*Eritrichium elongatum* (Rydb.) W. F. Wight var. *argenteum* (Wight) I. M. Johnst.] - HDH  
[*Eritrichium elongatum* (Rydb.) W. F. Wight var. *elongatum*] - HDH  
[*Eritrichium nanum* (Vill.) Schrad. ex Gaudin var. *aretioides* (Cham.) Herder] - KTZ  
[*Eritrichium nanum* (Vill.) Schrad. ex Gaudin var. *argenteum* (Wright) I. M. Johnston] - KTZ  
[*Eritrichium aretioides* (Cham.) A. DC.] - SF!, W&W  
[*Eritrichium nanum* (Vill.) Schrad. ex Gaudin var. *elongatum* (Rydb.) Cronquist] - RMC

*Euploca* (see **Heliotropium**)

*Hackelia*

(Identification sources: \_\_\_\_\_)

*Hackelia besseyi* (Rydb.) J. L. Gentry - KTZ, SFE, W&W, E

*Hackelia deflexa* (Wahlenb.) Opiz var. *americana* (A. Gray) Fernald & I. M. Johnst. - Dorn01,  
GPF, KTZ

[*Hackelia deflexa* (Wahlenb.) Opiz var. *americana* (A. Gray) Fernald & I. M. Johnst. ex Fernald] - RMC

[*Hackelia deflexa* (Wahlenb.) Opiz] - GPF, HDH, exp.

*Hackelia floribunda* (Lehm.) I. M. Johnst. - Dorn01, GPF, HDH, KTZ, SF!, UTF, W&W, E/W  
[*Hackelia leptophylla* (Rydb.) I. M. Johnst.] - HDH, W&W, err. rep.

◆ *Hackelia gracilentata* (Eastw.) I. M. Johnst. - **ENDEMIC** <CO>, HDH, KTZ, SFW, W&W, W

*Hackelia micrantha* (Eastw.) J. L. Gentry - Dorn01, IMF, KTZ, SFW, UTF, W&W, W

*Hackelia patens* (Nutt.) I. M. Johnst. var. *patens* - Dorn01, KTZ

[*Hackelia diffusa* var. *caerulescens* (Rydb.) I. M. Johnst.] - KTZ

*Hackelia pinetorum* (Greene ex Gray) I.M. Johnston - KWA, M&H, KTZ

*Hackelia ursina* (Greene ex Gray) I.M. Johnston - M&H, KWA, KTZ

*Heliotropium convolvulaceum* (Nutt.) A. Gray var. *convolvulaceum* - IMF, KTZ, E/W

[*Euploca convolvulacea* Nutt.] - SFE

[*Euploca convolvulacea* Nutt. subsp. *californica* (Greene) Abrams] - SFW, W&W

[*Euploca convolvulacea* Nutt. subsp. *convolvulacea*] - W&W

[*Heliotropium convolvulaceum* (Nutt.) A. Gray] - GPF, HDH, UTF

*Heliotropium curassavicum* L. var. *curassavicum* - Dorn01, M&H, KWA

[*Heliotropium xerophilum* Cockerell] - M&H

Δ *Heliotropium curassavicum* L. var. *oculatum* (A. Heller) I. M. Johnst. - IMF, KTZ <AZ, UT>, UTF, E/W

[*Heliotropium curassavicum* L. subsp. *oculatum* (A. Heller) Thorne] - SF!, W&W

*Heliotropium curassavicum* L. var. *obovatum* DC. - GPF, IMF, KTZ, UTF

[*Heliotropium spatulatum* Rydb.] - HDH

*Hesperochiron pumilus* (Griseb.) Porter - Dorn01, IMF, UTF, W

[*Hesperochiron pumilus* (Douglas) Porter] - SFW, W&W

[*Hesperochiron pumilus* (Douglas ex Griseb.) Porter] - KTZ

*Hydrophyllum capitatum* Douglas ex Benth. var. *capitatum* - IMF, KTZ, UTF, E/W

[*Hydrophyllum capitatum* Douglas] - SF!

[*Hydrophyllum capitatum* Douglas ex Benth.] - Dorn01, HDH, W&W

*Hydrophyllum fendleri* (A. Gray) A. Heller var. *fendleri* - IMF, KTZ, E/W

[*Hydrophyllum fendleri* (A. Gray) A. Heller] - Dorn01, HDH, SF!, UTF, W&W

*Lappula cenchrusoides* A. Nelson - WY checklist, HDH, exp., KTZ <NE, WY>

∴ *Lappula occidentalis* (S. Watson) Greene var. *cupulata* (A. Gray) L. C. Higgins - KTZ, UTF, E/W

[*Lappula marginata* (M. Bieb.) Gürke] - KTZ, SF!, W&W

[*Lappula redowskii* (Hornem.) Greene var. *cupulata* (A. Gray) M. E. Jones] - Dorn01, IMF

[*Lappula redowskii* (Hornem.) Greene var. *desertorum* (Greene) I. M. Johnst.] - HDH, IMF

[*Lappula texana* (Scheele) Britton] - GPF, RMC

[*Lappula texana* (Scheele) Britton var. *coronata* (Greene) A. Nelson & J. F. Macbr.] - HDH

[*Lappula texana* (Scheele) Britton var. *texana*] - HDH

*Lappula occidentalis* (S. Watson) Greene var. *occidentalis* - KTZ, UTF, E/W

[*Lappula redowskii* (Hornem.) Greene] - GPF, SF!, W&W

[*Lappula redowskii* (Hornem.) Greene var. *redowskii*] - Dorn01, HDH, IMF

∴ *Lappula squarrosa* (Retz.) Dumort. - IMF, KTZ, SF!, UTF, W&W, E/W

[*Lappula echinata* Gilib.] - GPF, HDH

[*Lappula fremontii* (Torr.) Greene] - HDH, exp.

[*Lappula squarrosa* (Retz.) Dum. var. *erecta* (A. Nelson) Dorn] - Dorn01

[*Lappula squarrosa* (Retz.) Dum. var. *squarrosa*] - Dorn01

∴ *Lithospermum arvense* L. - Dorn01, GPF, HDH, IMF, UTF, E

[*Buglossoides arvensis* (L.) I. M. Johnst.] - KTZ, SFE, W&W

[*Buglossoides arvensis* (L.) I. M. Johnst.] - W&W<sup>1</sup>

*Lithospermum caroliniense* (Walter ex J. F. Gmel.) MacMill. var. *croceum* (Fernald) Cronquist - KTZ, E

[*Lithospermum canescens* (Michx.) Lehm.] - HDH, exp., W&W<sup>1</sup>, misapp.

[*Lithospermum carolinense* (Walter) MacMill.] - GPF

[*Lithospermum caroliniense* (Walter) MacMill.] - HDH



[*Lithospermum croceum* Fernald] - SFE, W&W  
*Lithospermum cobrense* Greene - M&H, KWA, KTZ  
*Lithospermum incisum* Lehm. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Lithospermum multiflorum* Torr. ex A. Gray - Dorn01, HDH, IMF, KTZ, UTF, W&W, E/W  
[*Lithospermum multiflorum* Torr.] - SF!, UTF, W&W<sup>1</sup>  
*Lithospermum ruderales* Douglas ex Lehm. - Dorn01, HDH, IMF, KTZ, UTF, W&W, W  
[*Lithospermum ruderales* Douglas] - SFW

{*Lycopsis arvensis* L.} - HDH rep., W&W, err. rep.  
{*Anchusa arvensis* (L.) M. Bieb.} - KTZ <WY>

*Mertensia alpina* (Torr.) G. Don - HDH, IMF, KTZ, SFE, W&W, E  
*Mertensia arizonica* Greene - Dorn01, IMF, KTZ, UTF, W  
[*Mertensia arizonica* Greene var. *grahamii* L. O. Williams] - SFW, W&W  
*Mertensia brevistyla* S. Watson - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Mertensia ciliata* (E. James ex Torr.) G. Don var. *ciliata* - KTZ, E/W  
[*Mertensia ciliata* (E. James) G. Don] - HDH, SF!, UTF  
[*Mertensia ciliata* (E. James ex Torr.) G. Don] - Dorn01, W&W  
[*Mertensia ciliata* (Torr.) G. Don] - GPF  
[*Mertensia ciliata* (Torr.) G. Don var. *ciliata*] - IMF  
*Mertensia franciscana* A. Heller - HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Mertensia fusiformis* Greene - Dorn01, HDH, IMF, UTF, W&W, E/W  
[*Mertensia brevistyla* S. Wats.] - SF!, W&W<sup>1</sup>  
[*Mertensia oblongifolia* (Nutt.) G. Don] - KTZ  
*Mertensia humilis* Rydb. - Dorn01, HDH, KTZ, SFE, W&W, E  
*Mertensia lanceolata* (Pursh) A. DC. - Dorn01, SF!, E/W  
[*Mertensia bakeri* Greene var. *bakeri*] - HDH  
[*Mertensia bakeri* Greene var. *osterhoutii* L. O. Williams] - HDH  
[*Mertensia lanceolata* (Pursh) A. DC. var. *brachyloba* (Greene) A. Nelson] - GPF, HDH, KTZ  
[*Mertensia lanceolata* (Pursh) A. DC. var. *coriacea* (A. Nelson) L. C. Higgins & S. L. Welsh] - KTZ, UTF  
[*Mertensia lanceolata* (Pursh) DC. var. *fendleri* A. Gray] - HDH  
[*Mertensia lanceolata* (Pursh) DC. var. *lanceolata*] - GPF, HDH, KTZ, W&W  
[*Mertensia lanceolata* (Pursh) DC. var. *pubens* (J. F. Macbr.) L. O. Williams] - HDH  
[*Mertensia lanceolata* (Pursh) DC. var. *secundorum* Cockerell] - HDH, KTZ  
[*Mertensia viridis* A. Nelson var. *cynoglossoides* (Greene) J. F. Macbr.] - HDH  
*Mertensia oblongifolia* (Nutt.) G. Don - GPF, IMF, KTZ, SFW, UTF, W&W, W  
[*Mertensia oblongifolia* (Nutt.) G. Don] - KTZ  
[*Mertensia oblongifolia* (Nutt.) G. Don var. *nevadensis* (A. Nelson) L. O. Williams] - HDH  
*Mertensia viridis* (A. Nelson) A. Nelson - Dorn01, E/W  
[*Mertensia lanceolata* (Pursh) DC.] - SF!  
[*Mertensia lanceolata* (Pursh) DC. var. *viridis* A. Nelson] - W&W  
[*Mertensia lanceolata* (Pursh) DC. var. *nivalis* (S. Watson) L. C. Higgins] - UTF  
[*Mertensia oblongifolia* (Nutt.) G. Don] - KTZ  
[*Mertensia viridis* A. Nelson] - IMF  
[*Mertensia viridis* A. Nelson var. *cana* (Rydb.) L. O. Williams] - HDH  
[*Mertensia viridis* A. Nelson var. *dilatata* (A. Nelson) L. O. Williams] - HDH  
[*Mertensia viridis* A. Nelson var. *parvifolia* L. O. Williams] - HDH  
[*Mertensia viridis* A. Nelson var. *viridis*] - HDH

*Myosotis alpestris* F. W. Schmidt - Dorn01, HDH, W  
[*Myosotis asiatica* (Vesterg.) Schischk. & Serg.] - KTZ, SFW, W&W  
∴ *Myosotis scorpioides* L. - Dorn01, GPF, IMF, KTZ, SF!, UTF, W&W, E/W

Nama densum Lemmon var. parviflorum (Greenm.) C. L. Hitchc. - Dorn01, IMF, KTZ, UTF, W  
[Nama densum Lemmon] - SFW, W&W  
Nama dichotomum (Ruiz & Pav.) Choisy - HDH rep., KTZ, SFW, W&W, W  
Nama hispidum A. Gray -FCF, GPF, HDH rep., IMF, KTZ, SFW, UTF, W&W, W&W<sup>1</sup>,  
err. rep., W  
Nama retrorsum J. T. Howell - IMF, KTZ <AZ, NM, UT>, UTF, W&W<sup>1</sup>  
  
Nemophila breviflora A. Gray - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
Neomphila menziesii H. & A. - Dorn01

Onosmodium molle Michx. var. occidentale (Mack.) I. M. Johnst. - Dorn01, GPF, HDH, E  
[Onosmodium bejariense A. DC. var. occidentale (Mack.) B. L. Turner] - KTZ  
[Onosmodium molle Michx. subsp. occidentale (Mack.) Cochrane]- KTZ, SFE, W&W

### Oreocarya (see **Cryptantha**)

Pectocarya penicillata (H. & A.). A. DC. - Dorn01, KTZ  
[Cynoglossum penicillatum H. & A.] - KTZ  
[Pectocarya linearis var. penicillatum (H. & A.) M. E. Jones] - KTZ

### Phacelia

(Identification sources: \_\_\_\_\_)

Phacelia alba Rydb. - Dorn01, IMF, KTZ, SF!, UTF, W&W, E/W  
[Phacelia neomexicana Thurb. ex. Torr.] - W&W<sup>1</sup>, misapp.  
[Phacelia neomexicana Thurb. ex Torr. var. alba (Rydb.) Brand] - HDH  
Phacelia bakeri (Brand) J. F. Macbr. - KTZ, SF!, W&W, E/W  
Phacelia caerulea Greene - KWA  
[Phacelia intermedia Woot. p.p.] - KTZ  
Phacelia constancei N. D. Atwood - IMF, KTZ, SFW, UTF, W&W, W  
Phacelia crenulata Torr. ex S. Watson - IMF, W  
[Phacelia corrugata A. Nelson] - HDH  
[Phacelia crenulata Torr.] - SFW, W&W  
[Phacelia crenulata Torr. var. corrugata (A. Nels.) Brand] - UTF  
[Phacelia crenulata Torr. ex S. Watson var. corrugata (A. Nels.) Brand] - KTZ  
Phacelia demissa A. Gray var. demissa - HDH, KTZ, UTF, W  
[Phacelia demissa A. Gray] - Dorn01, IMF, SFW, W&W  
Phacelia denticulata Osterh. - Dorn01, HDH, KTZ, SFE, W&W, E  
◆ Phacelia formosula Osterh. - **ENDEMIC** <CO>, HDH, KTZ, SFE, W&W, E  
Phacelia glandulifera Piper - Dorn01, KTZ  
[Phacelia ivesiana var. glandulifera (Piper) A. Nelson & J. F. Macbr.] - KTZ  
Phacelia glandulosa Nutt. var. glandulosa - KTZ  
[Phacelia glandulosa Nutt. var. deserta (A. Nels.) Brand] - KTZ  
[NS - var. deserta Endemic to WY if recognized]  
Phacelia hastata Douglas ex Lehm. var. hastata - UTF, IMF, KTZ, E/W  
[Phacelia hastata Douglas] - SF!  
[Phacelia hastata Douglas ex Lehm.] - Dorn01, W&W  
[Phacelia hastata Douglas ex Lehm. var. alpina (Rydb.) Cronq.] - IMF

- [*Phacelia hastata* Douglas ex Lehm. var. *leucophylla* (Torr.) Cronquist] - GPF  
 [*Phacelia leucophylla* Torr.] - HDH, syn. of *P. heterophylla* var. *heterophylla*  
*Phacelia heterophylla* Pursh var. *heterophylla* - HDH, IMF, E/W  
 [*Phacelia heterophylla* Pursh] - GPF, SF!, UTF, W&W  
 [*Phacelia heterophylla* Pursh subsp. *heterophylla*] - KTZ  
*Phacelia heterophylla* Pursh var. *virgata* (Greene) Dorn - Dorn01  
 [*Phacelia heterophylla* Pursh subsp. *virgata* (Greene) Heckard] - KTZ  
*Phacelia incana* Brand - Dorn01, IMF, KTZ, SFW, UTF, W&W, W  
*Phacelia integrifolia* Torr. var. *integrifolia* - GPF, HDH rep., KTZ, W  
 [*Phacelia integrifolia* Torr.] - IMF, SFW, UTF, W&W  
*Phacelia ivesiana* Torr. var. *ivesiana* - HDH, KTZ, UTF, W  
 [*Phacelia ivesiana* Torr.] - Dorn01, IMF, SFW, W&W  
*Phacelia linearis* (Pursh) Holz. - Dorn01, KTZ  
 {*Phacelia lutea* (Hook. & Arn.) J. T. Howell var. *scopulina* (A. Nelson) Cronq.} - IMF,  
 UTF <CO>  
*Phacelia neomexicana* Thurb. ex Torr. var. *alba* (Rydb.) Brand - WY checklist  
 [*Phacelia neomexicana* Thurb. var. *pseudoarizonica* (Brand) J. Voss] - KTZ  
*Phacelia salina* (A. Nels.) J. T. Howell - Dorn01, KTZ  
*Phacelia scopulina* (A. Nelson) J. T. Howell var. *scopulina* - KTZ  
*Phacelia scopulina* (A. Nelson) J. T. Howell var. *submutica* (J. T. Howell) Halse - KTZ, W  
 [*Phacelia lutea* (Hook. & Arn.) J. T. Howell var. *submutica* (J. T. Howell) Cronquist] - IMF  
 [*Phacelia submutica* J. T. Howell] - HDH, SFW, W&W  
*Phacelia sericea* (Graham ex Hook.) A. Gray var. *ciliosa* Rydb. - Dorn01, E/W  
 [*Phacelia sericea* (Graham) A. Gray] - SFE  
 [*Phacelia sericea* (Graham) A. Gray subsp. *ciliosa* (Rydb.) J. M. Gillett] - HDH, KTZ, SFW, W&W  
 [*Phacelia sericea* (Graham) A. Gray var. *ciliosa* Rydb.] - IMF, UTF  
 [*Phacelia idahoensis* L. F. Hend.] - HDH, W&W, misapp.  
*Phacelia sericea* (Graham ex Hook.) A. Gray var. *sericea* - Dorn01, E/W  
 [*Phacelia sericea* (Graham) A. Gray] - HDH, SF!  
 [*Phacelia sericea* (Graham) A. Gray subsp. *sericea*] - KTZ, W&W  
 [*Phacelia sericea* (Graham) A. Gray var. *sericea*] - IMF, UTF  
 ♦ *Phacelia splendens* Eastw. - **ENDEMIC** <CO, NM>, HDH, KTZ, SFW, UTF, W&W, W  
*Phacelia tetramera* Howell - Dorn01
- Plagiobothrys leptocladus* (Greene) I. M. Johnst. - Dorn01, KTZ  
 [*Allocarya leptocladus* Greene Greene] - KTZ  
 [*Plagiobothrys orthocarpus* (Greene) I. M. Johnst.] - KTZ  
*Plagiobothrys scouleri* (Hook. & Arn.) I. M. Johnst. var. *hispidulus* (Greene) Dorn - Dorn01,  
 KTZ, E/W  
 [*Plagiobothrys nelsonii* (Greene) I. M. Johnst.] - HDH  
 [*Plagiobothrys scopulorum* (Greene) I. M. Johnst.] - HDH  
 [*Plagiobothrys scouleri* (Hook. & Arn.) I. M. Johnst.] - GPF  
 [*Plagiobothrys scouleri* (Hook. & Arn.) I. M. Johnst. subsp. *penicillata* (Greene) A. Löve] - SF!, W&W  
 [*Plagiobothrys scouleri* (Hook. & Arn.) I. M. Johnst. var. *penicillatus* (Greene) Cronquist] - IMF, UTF
- ∴ *Symphytum officinale* L. - KTZ, SF!, UTF, W&W, E/W
- Tiquilia nuttallii* (Hook.) A. T. Richardson - Dorn01, IMF, KTZ, SFW, UTF, W  
 [*Tiquilia nuttallii* (Benth.) A. T. Richardson] - W&W

## Brassicaceae - BRA

(Identification sources: \_\_\_\_\_)

**Aethionema** (see **Aurinia**)

∴ *Alliaria petiolata* (M. Bieb.) Cavara & Grande - GPF, FCF, KTZ, SFE, UTF, W&W, E

**Alyssum** (see also **Aurinia**)

∴ *Alyssum alyssoides* (L.) L. - Dorn01, KTZ, FCF, SF!, UTF, W&W<sup>1</sup>, E/W  
[*Alyssum alyssioides* L.] - GPF, HDH, W&W

∴ *Alyssum desertorum* Stapf - Dorn01, GPF, SF!, UTF, W&W, E/W  
[*Alyssum desertorum* Stapf var. *desertorum*] - KTZ, FCF

∴ *Alyssum murale* Waldst. & Kit. - KTZ, FCF, SFE, W&W, E

*Alyssum parviflorum* M. Bieb. var. *micranthum* (C. A. Mey.) Dorn - Dorn01, W&W<sup>1</sup>, E/W  
[*Alyssum minus* (L.) Rothm.] - UTF  
[*Alyssum minus* (L.) Rothm. var. *micranthum* (C. A. Mey.) Dudley] - GPF, KTZ, FCF  
[*Alyssum parviflorum* M. Bieb.] - SF!, W&W  
[*Alyssum parviflorum* Fisch. ex M. Bieb. var. *micranthum* (C. A. Mey.) Dorn] - Dorn01

**Arabidopsis** (see **Thellungiella**)

**Arabis** (see also **Boechera**, **Turritis**)

(Identification sources: \_\_\_\_\_)

*Arabis hirsuta* (L.) Scop. var. *glabrata* Torr. & A. Gray - HDH Dorn01, exp., KTZ, FCF, UTF, W&W, W&W<sup>1</sup>, E/W

[*Arabis hirsuta* (L.) Scop.] - SF!

*Arabis hirsuta* (L.) Scop. var. *hirsuta* - KTZ, FCF, UTF, W&W<sup>1</sup>, err. rep.

[*Arabis hirsuta* (L.) Scop.] - SF!

*Arabis hirsuta* (L.) Scop. var. *pycnocarpa* (M. Hopkins) Rollins - Dorn01, GPF, HDH, KTZ, FCF, W&W, E/W

[*Arabis hirsuta* (L.) Scop.] - SF!

[*Arabis hirsuta* (L.) Scop. var. *glabrata* Torr. & A. Gray] - UTF

{*Arabis laevigata* (Muhl. ex Willd.) Poir. var. *laevigata*} - KTZ, FCF

{*Arabis hastata* Eaton} - Rollins93

{*Arabis heterophylla* Nutt. ex Torrey & A. Gray} - Rollins93

{*Arabis laevigata* (Muhl.) Poir.} - GPF

{*Arabis laevigata* var. *heterophylla* (Nutt. ex Torrey & A. Gray) Farw.} - Rollins93

{*Arabis lyraefolia* DC.} - Rollins93

{*Turritis laevigata* Muhlenb. ex Willd.} - Rollins93

∴ *Armoracia rusticana* P. Gaertn., B. Mey., & Scherb. - Dorn01, GPF, KTZ, FCF, W&W

[*Armoracia rusticana* Gaertn.] - UTF

[*Rorippa armoracia* (L.) Hitchc.] - HDH

∴ *Aurinia saxatilis* (L.) Desv. - KTZ <UT>, FCF, E

[*Aethionema saxatile* (L.) R. Br.] - SFE, W&W<sup>1</sup>

[*Alyssum saxatile* L.] - UTF

- ∴ *Barbarea orthoceras* Ledeb. - Dorn01, GPF, HDH, KTZ, FCF, SF!, UTF, W&W, E/W  
 {*Barbarea verna* (Mill.) Asch.} - M&H, exp., HDH rep., KTZ, W&W<sup>1</sup>  
 ∴ *Barbarea vulgaris* R. Br. - Dorn01, GPF, FCF, SF!, UTF, W&W, E/W  
 [*Barbarea vulgaris* W. T. Aiton] - KTZ

- ∴ *Berberoa incana* (L.) DC. - Dorn01, GPF, KTZ, FCF, SF!, UTF, W&W, E/W

## Boechera

(Identification sources: \_\_\_\_\_)

*Boechera brachycarpa* (Torr. & A. Gray) Dorn - Dorn01

*Boechera cobrensis* (M.E. Jones) Dorn - Dorn01

[*Arabis cobrensis* M. E. Jones] - KTZ

*Boechera consanguinea* (Greene) Windham & Al-Shehbaz - Windham07a

[*Arabis holboellii* Horemann var. *consanguinea* (Greene) G. A. Mulligan] - Windham07a

◆ *Boechera crandallii* (B. L. Rob.) W. A. Weber - **ENDEMIC** <CO, WY>, Dorn01, SFW, W&W

[*Arabis crandallii* B. L. Rob. ] - HDH, KTZ, FCF, RMC, W

*Boechera demissa* (Greene) W. A. Weber

[NS - Following UT3 we do not recognize infraspecific taxa for our region]

[*Arabis demissa* Greene] - UTF, UT3

[*Arabis demissa* Greene var. *demissa*] - HDH, KTZ, FCF, E/W

[*Arabis demissa* Greene var. *languida* Rollins] - HDH, exp., KTZ, FCF, E/W

[*Boechera fendleri* (Wats.) W. A. Weber var., *languida* (Rollins) Dorn] - Dorn01

[*Boechera oxylobula* (Greene) W. A. Weber] - SF!, W&W

*Boechera divaricarpa* (A. Nelson) A. Löve & D. Löve - SF!, W&W, Windham07b

[*Arabis* X *divaricarpa* A. Nelson - KTZ, FCF, E/W

[*Arabis drummondii* X *A. holboellii*] - KTZ

[*Arabis divaricarpa* A. Nelson] - GPF

[*Arabis divaricarpa* A. Nelson var. *divaricarpa*] - HDH

[*Arabis holboellii* Hornem.] - UTF

[*Arabis stokesiae* Rydb.] - Windham07b

*Boechera drepanoloba* (Greene) Windham & Al-Shehbaz - Windham07a

[*Arabis lemmonii* S. Watson var. *drepanoloba* (Greene) Rollins] - Windham07a

*Boechera drummondii* (A. Gray) A. Löve & D. Löve - SF!, W&W

[*Arabis confinis* S. Watson var. *confinis*] - E/W

[*Arabis drummondii* A. Gray] - GPF, HDH, KTZ, FCF, UTF, E/W

*Boechera duchesnensis* (Rollins) Windham & Al-Shehbaz & Allphin - Windham07b

[*Arabis pulchra* M. E. Jones ex S. Watson var. *pallens* M. E. Jones] - HDH, KTZ, FCF, W

[*Arabis pulchra* M. E. Jones var. *pallens* M. E. Jones] - UTF

[*Boechera pulchra* (M. E. Jones) W. A. Weber] - SFW

[*Boechera pulchra* (M. E. Jones ex S. Watson) W. A. Weber subsp. *pallens* (M. E. Jones) W. A. Weber] - W&W

[*Boechera pulchra* (M. E. Jones ex S. Watson) var. *duchesnensis* (Rollins) Dorn - Windham07b

[*Boechera pulchra* (M. E. Jones ex S. Wats.) W.A. Weber var. *pallens* (M. E. Jones) Dorn] - Dorn01

*Boechera fendleri* (S. Watson) W. A. Weber var. *fendleri* - Dorn01

[*Boechera fendleri* (S. Watson) W. A. Weber subsp. *fendleri*] - W&W

[*Arabis fendleri* (S. Watson) Greene var. *fendleri*] - GPF, HDH, KTZ, FCF, E/W

[*Arabis holboellii* Hornem. var. *fendleri* S. Watson] - UTF

[*Boechera fendleri* (S. Watson) W. A. Weber] - SF!

*Boechera fernaldiana* (Rollins) W. A. Weber var. *fendleriana* - W&W

- [*Arabis fernaldiana* Rollins var. *fernalidiana*] - HDH, KTZ, FCF, W  
 [*Arabis fernaldiana* Rollins] - UTF  
 [*Boechera fernaldiana* (Rollins) W. A. Weber] - SFW, W&W<sup>1</sup>  
**Boechera fernaldiana** (Rollins) W. A. Weber subsp. *vivariensis* (S. L. Welsh) Windham & Al-Shehbaz - Windham06  
 [*Boechera vivariensis* (S. L. Welsh) W. A. Weber] - Windham06  
**Boechera formosa** (Greene) Windham & Al-Shehbaz - Windham06  
 [*Arabis formosa* Greene] - Windham06  
 [*Arabis pulchra* M. E. Jones ex S. Watson var. *pallens* M. E. Jones] - HDH, KTZ, FCF, W, Windham06  
 [*Boechera pulchra* (M. E. Jones ex S. Watson) W. A. Weber subsp. *pallens* (M. E. Jones) W. A. Weber] - W&W  
 [*Boechera pulchra* (M. E. Jones ex S. Watson) W. A. Weber var. *pallens* (M. E. Jones) Dorn] - Windham06  
**Boechera glareosa** Dorn - Dorn03  
**Boechera gracilentia** (Greene) Windham & Al-Shehbaz - Windham07b  
 [*Arabis gracilentia* Greene] - Windham07b  
 [*Arabis selbyi*] - HDH, KTZ, FCF, UTF, W, Windham07b  
 [*Boechera selbyi* (Rydb.) W. A. Weber] - Dorn01, SFW, W&W, Windham07b  
**Boechera grahamii** (Lehmann) Windham & Al-Shehbaz - Windham07b  
**Boechera gunnisoniana** (Rollins) W. A. Weber - SFW, W&W  
 [*Arabis gunnisoniana* Rollins - HDH, KTZ, FCF, W  
 [*Boechera glareosa* Dorn] - Al-Shehbaz03  
**Boechera holboellii** (Hornem.) Löve & Löve var. *collinsii* (Fern.) Dorn - Dorn01  
 [*Arabis holboellii* Hornem. var. *collinsii* (Fern.) Roll.] - WY checklist  
 [*Arabis bourgovii* Rydb.] - KTZ  
 [*Arabis collinsii* Fern.] - KTZ  
 [*Arabis dacotica* Greene] - KTZ  
 [*Arabis divaricarpa* var. *dacotica* (Greene) Boivin] - KTZ  
 [*Arabis retrofracta* var. *collinsii* (Fern.) Boivin] - KTZ  
 [*Boechera collinsii* (Fern.) A. & D. Löve] - KTZ  
**Boechera holboellii** (Hornem.) var. *pinetorum* (Tidestr.) Dorn - Dorn01  
 [*Arabis holboellii* Hornem. var. *pinetorum* (Tidestr.) Rollins] - GPF, HDH, KTZ, FCF, UTF, E/W  
 [*Arabis pinetorum* Tidestr.] - Dorn01  
 [*Boechera retrofracta* (Graham) A. Löve & D. Löve] - SF!, W&W  
**Boechera holboellii** (Hornem.) var. *secunda* (Howell) Dorn - Dorn01  
 [*Arabis holboellii* Hornem. var. *secunda* (Howell) Jeps.] - UTF, E/W  
 [*Arabis holboellii* Hornem. var. *retrofracta* (Graham) Rydb.] - HDH, KTZ, FCF  
 [*Arabis secunda* Howell] - Dorn01  
 [*Boechera retrofracta* (Graham) A. Löve & D. Löve] - SF!, W&W  
**Boechera lemmonii** (S. Watson) Weber var. *drepanoloba* (Greene) Dorn - Dorn01  
 [*Arabis lemmonii* S. Watson var. *drepanoloba* (Greene) Rollins] - KTZ, FCF, E/W  
 [*Boechera lemmonii* (S. Watson) W. A. Weber] - SF!  
**Boechera lemmonii** (S. Watson) Weber var. *lemmonii* - Dorn01  
 [*Arabis lemmonii* S. Watson var. *lemmonii*] - HDH, KTZ, FCF, UTF, E/W  
 [*Boechera lemmonii* (S. Watson) W. A. Weber] - SF!, W&W  
**Boechera lignifera** (A. Nelson) W. A. Weber - Dorn01, SF!, W&W, Windham06  
 [*Arabis lignifera* A. Nelson] - HDH, KTZ, FCF, E/W  
 [*Arabis holboellii* Hornem. var. *pinetorum* (Tidestr.) Rollins] - UTF  
**Boechera lyallii** (S. Watson) Dorn - Al-Shehbaz03, Dorn01, Windham06  
 [*Arabis lyallii* Wats. var. *lyallii*] - KTZ  
**Boechera microphylla** (Nutt.) Dorn var. *macounii* (Wats.) Dorn - Dorn01  
 [*Arabis microphylla* Nutt. var. *macounii* (Wats.) Roll] - WY checklist  
 [*Arabis macounii* Wats.] - KTZ  
**Boechera microphylla** (Nutt.) Dorn var. *microphylla* - Dorn01

[*Arabis microphylla* Nutt. var. *microphylla*] - WY checklist  
[*Arabis tenuicula* Greene] - KTZ

***Boechera nuttallii* (Robins.) Dorn - Dorn01**

[*Arabis nuttallii* Robins.] - WY checklist  
[*Arabis bridgeri* M.E. Jones] - KTZ  
[*Arabis macella* Piper] - KTZ

◆ ***Boechera oxylobula* (Greene) W. A. Weber - ENDEMIC <CO>, SF!, W&W, Al-Shehbaz03, Windham06**

[*Arabis aprica* Osterh. ex A. Nels.] - Windham06  
[*Arabis oxylobula* Greene] - HDH, KTZ, FCF, E/W  
[*Arabis demissa* Greene] - Windham06  
[*Arabis rugocarpa* Oster.] - Windham06

◆ ***Boechera pallidifolia* (Rollins) W. A. Weber - ENDEMIC <CO>, SFW, W&W<sup>1</sup>, Al-Shehbaz03**

[*Arabis pallidifolia* Rollins] - KTZ, FCF, W, Windham06  
[*Arabis thompsonii* S. L. Welsh] - Windham06  
[*Boechera thompsonii* (S. L. Welsh) N. H. Holmgren] - Windham06

***Boechera pendulina* (Greene) W. A. Weber - Windham06**

[*Arabis demissa* Greene] - UTF  
[*Arabis demissa* Greene var. *russeola* Rollins] - HDH  
[*Arabis pendulina* Greene var. *pendulina*] - KTZ, FCF, E/W  
[*Arabis pendulina* Greene var. *russeola* (Rollins) Rollins] - KTZ, FCF, E/W  
[*Boechera oxylobula* (Greene) W. A. Weber] - SF!, W&W  
[*Boechera pendulina* (Greene) Weber var. *russeola* (Rollins) Dorn] - Dorn01

***Boechera pendulocarpa* (A. Nels.) Windham & Al-Shehbaz - Windham06**

[*Arabis pendulocarpa* A. Nels.] - RMC, Windham06  
[*Arabis holboellii* Hornem. var. *pendulocarpa* (A. Nels.) Rollins] - Windham06, HDH, KTZ, FCF, UTF, E/W  
[*Boechera pendulocarpa* (A. Nels.) Á. Löve & D. Löve var. *pendulocarpa* (A. Nels.) N. Snow] - Windham06

***Boechera perennans* (S. Watson) W. A. Weber - Dorn01, SFW, W&W**

[*Arabis perennans* S. Watson] - HDH, KTZ, FCF, UTF, W  
[*Arabis perennans* S. Watson var. *perennans*] - UT3

***Boechera retrofracta* (Graham) Á. Löve & D. Löve - SF!, W&W, Windham06**

[*Arabis exilis* (A. Nels.)] - Windham06  
[*Arabis retrofracta* Graham] - Windham06  
[*Arabis holboellii* Hornem. var. *retrofracta* (Graham) Rydb.] - HDH, KTZ, FCF Windham06  
[*Boechera exilis* (A. Nels.) Dorn] - Dorn01  
[*Turritis retrfracta* (Graham) Hook.] - Windham06

◆ ***Boechera spatifolia* (Rydb.) Windham & Al-Shehbaz - ENDEMIC <NM, CO> - Windham06**

[*Arabis fendleri* (S. Watson) Greene var. *spatifolia* (Rydb.) Rollins] - GPF, HDH, KTZ, FCF, E/W  
[*Arabis holboellii* Hornem. var. *fendleri* S. Watson] - UTF  
[*Boechera fendleri* (S. Watson) W. A. Weber] - SF!  
[*Boechera fendleri* (S. Watson) W. A. Weber subsp. *spatifolia* (Rydb.) W. A. Weber] - W&W  
[*Boechera fendleri* (S. Watson) W. A. Weber var. *spatifolia* (Rydb.) Dorn] - Dorn01

◆ ***Boechera villosa* Windham & Al-Shehbaz - ENDEMIC <NM> - Windham06**

***Boechera williamsii* (Roll.) Dorn var. *saximontana* (Rollins) Dorn - Dorn01**

[*Arabis williamsii* Roll. var. *saximontana* (Roll.) Roll.] - WY checklist, KTZ  
[*Arabis microphylla* var. *saximontana* (Roll.) Roll.] - KTZ  
[*Arabis pendulocarpa* var. *saximontana* (Roll.) Dorn] - KTZ

**Brassica (see also *Sinapis*)**

∴ ***Brassica elongata* Ehrh. var. *integrifolia* (Boiss.) Breistr. - SFW, W&W<sup>1</sup>, W**

[*Brassica elongata* Ehrh.] - KTZ  
[*Brassica elongata* Ehrh. subsp. *integrifolia* (Boiss.) Breistr.] - FCF

- ∴ *Brassica juncea* (L.) Czern. - Dorn01, GPF, KTZ, FCF, UTF, E  
[*Brassica juncea* (L.) Cosson] - HDH, SFE, W&W
- ∴ *Brassica napus* L. - SF!, W&W<sup>1</sup>, E/W
- ∴ *Brassica nigra* (L.) W. D. J. Koch - GPF, HDH, KTZ, FCF, SFE, UTF, W&W, E
- ∴ *Brassica rapa* L. - Dorn01, FCF, W&W, W&W<sup>1</sup>, misapp.  
[*Brassica campestris* L.] - GPF, HDH, UTF  
[*Brassica rapa* L. var. *rapa*] - KTZ
  
- Braya glabella* Richardson - Dorn01, KTZ, FCF, E/W  
[*Braya glabella* R. Br.] - SF!  
[*Braya glabella* (Richardson) S. Watson var. *glabella*] - W&W
- Braya humilis* (C. A. Mey.) B. L. Rob. - Dorn01, HDH (mentioned without name, p. 256),  
KTZ, FCF, SFE, W&W, E/W  
[*Braya humilis* (C. A. Mey.) B. L. Rob. subsp. *ventosa* Rollins] - SFW
  
- ∴ *Camelina microcarpa* Andr. ex DC. - Dorn01, GPF, FCF, UTF, W&W, E/W  
[*Camelina microcarpa* DC.] - KTZ  
[*Camelina microcarpa* Andr.] - HDH, SF!
- Δ *Camelina rumelica* Velen. - KTZ, FCF, SF!, W&W, E/W
- ∴ *Camelina sativa* (L.) Crantz - Dorn01, GPF, HDH, exp., KTZ, FCF, W&W, err. rep.
  
- ∴ *Capsella bursa-pastoris* (L.) Medik. - Dorn01, GPF, HDH, KTZ, FCF, SF!, UTF, W&W, E/W

## Cardamine

(Identification sources: \_\_\_\_\_)

- Cardamine breweri* S. Watson var. *breweri* - KTZ, FCF, UTF, E/W  
[*Cardamine breweri* S. Watson] - Dorn01, SF!, W&W
- Cardamine breweri* S. Watson var. *leibergii* (Holz.) C. L. Hitchc. - KTZ, FCF, E/W  
[*Cardamine breweri* S. Watson var. *breweri*] - RMC  
[*Cardamine breweri* S. Watson] - SF!, W&W  
[*Cardamine vallicola* Greene] - HDH
- Cardamine cordifolia* A. Gray var. *cordifolia* - KTZ, FCF, UTF, E/W  
[*Cardamine cordifolia* A. Gray] - HDH, SF!, W&W
- Cardamine cordifolia* A. Gray var. *incana* A. Gray ex M. E. Jones - KTZ, Hartman06, FCF, E/W  
[*Cardamine cordifolia* A. Gray] - HDH, SF!, W&W  
[*Cardamine cordifolia* A. Gray var. *incana* M. E. Jones] - W&W<sup>1</sup>
- Cardamine oligosperma* Nutt. var. *oligosperma* - KTZ  
[*Cardamine oligosperma* Nutt.] - Dorn01, W&W, err. rep.  
[*Cardamine oligosperma* Nutt. ex Torr. & A. Gray] - UTF  
[*Cardamine oligosperma* Nutt. ex Torr. & A. Gray var. *oligosperma*] - FCF, W&W<sup>1</sup>  
[*Cardamine umbellata* Greene] - HDH  
[*Cardamine unijuga* Rydb.] - HDH, exp.
- Cardamine pensylvanica* Muhl. ex Willd. - Dorn01, HDH, KTZ, FCF, UTF, W&W, E/W  
[*Cardamine pensylvanica* Muhl.] - GPF, SF!

## Cardaria (see also **Lepidium**)

[NS - All of our species in *Cardaria* may ultimately be transferred to *Lepidium*]



- ∴ *Cardaria chalepensis* (L.) Hand.-Mazz. - Dorn01, GPF, KTZ, FCF, SF!, UTF, W&W, E/W
- ∴ *Cardaria draba* (L.) Desv. - Dorn01, GPF, HDH, KTZ, FCF, SF!, UTF, W&W, E/W
- ∴ *Cardaria pubescens* (C. A. Mey.) Jarm. - Dorn01, GPF, KTZ, FCF, SF!, W&W, E/W  
     [*Cardaria pubescens* (C. A. Mey.) Jarm. var. *elongata* Rollins] - UTF  
     [*Cardaria pubescens* (C. A. Mey.) Rollins var. *elongata* Rollins] - HDH

*Caulanthus crassicaulis* (Torr.) S. Watson var. *crassicaulis* - KTZ, FCF, UTF, W  
 [Caulanthus crassicaulis (Torr.) S. Watson] - Dorn01, HDH, SFW, W&W

- ∴ *Chorispora tenella* (Pall.) DC. - Dorn01, GPF, KTZ, FCF, SF!, UTF, W&W, E/W  
     [*Chorispora tenella* DC.] - HDH

- ∴ *Conringia orientalis* (L.) Dumort. - Dorn01, GPF, HDH, KTZ, FCF, SF!, UTF, W&W, E/W

## Descurainia

(Identification sources: \_\_\_\_\_)

*Descurainia brevisliqua* (Detling) Al-Shehbaz & Goodson - Goodson07

[*Descurainia obtusa* (Greene) O. E. Schulz var. *brevisliqua* Detling] - Goodson07

*Descurainia californica* (A. Gray) O. E. Schulz - Dorn01, HDH, KTZ, FCF, SF!, UTF, W&W, E/W

◆ *Descurainia kenheilii* Al-Shehbaz - Al-Shehbaz07a, **ENDEMIC <CO>**

*Descurainia incana* (Bernh. ex Fisch. & C. A. Mey.) Dorn var. *incana* - Dorn01, E/W

[*Descurainia incana* (Bernh.) Dorn] - SF!

[*Descurainia incana* (Bernh. ex Fisch. & C. A. Mey.) Dorn] - FCF, W&W

[*Descurainia incana* (Bernh. ex Fisch. & C. A. Mey.) Dorn subsp. *incana*] - KTZ

[*Descurainia richardsonii* (Sweet) O. E. Schulz] - GPF

*Descurainia incana* (Bernh. ex Fisch. & C. A. Mey.) Dorn var. *incisa* - E/W

[*Descurainia incana* (Bernh.) Dorn] - SF!

[*Descurainia incana* (Bernh. ex Fisch. & C. A. Mey.) Dorn] - W&W

[*Descurainia incana* (Bernh. ex Fisch. & C. A. Mey.) Dorn subsp. *incisa* (Engelm.) Kartesz & Gandhi] - HDH, KTZ

[*Descurainia incisa* (Engelm.) Britton subsp. *incisa*] - SF!

[*Descurainia incisa* (Engelm. ex A. Gray) Britton subsp. *incisa*] - FCF, W&W<sup>1</sup>

[*Descurainia richardsonii* (Sweet) O. E. Schulz] - GPF

[*Descurainia richardsonii* (Sweet) O. E. Schulz subsp. *incisa* (Engelm.) Detling] - HDH

[*Descurainia richardsonii* (Sweet) O. E. Schulz var. *sonnei* (B. L. Rob.) C. L. Hitchc.] - UTF

*Descurainia incana* (Bernh. ex Fisch. & C. A. Mey.) Dorn var. *macrosperma* (O. E. Schulz) Dorn - Dorn01, E/W

[*Descurainia incana* (Bernh.) Dorn] - SF!

[*Descurainia incisa* (Bernh. ex Fisch. & C. A. Mey.) Dorn] - FCF, SFW, W&W

[*Descurainia incana* (Bernh. ex Fisch. & C. A. Mey.) Dorn var. *brevipes* (Nutt.) S. Welsh - UT3

[*Descurainia incana* (Bernh. ex Fisch. & C. A. Mey.) Dorn subsp. *procera* (Greene) Kartesz & Gandhi] - KTZ

[*Descurainia richardsonii* (Sweet) O. E. Schulz] - GPF

[*Descurainia richardsonii* (Sweet) O. E. Schulz subsp. *richardsonii*] - HDH

[*Descurainia richardsonii* (Sweet) O. E. Schulz subsp. *procera* (Greene) Detling] - HDH

[*Descurainia richardsonii* (Sweet) O. E. Schulz var. *brevipes* (Nutt.) S. L. Welsh & Reveal] - UTF

*Descurainia incana* (Bernh. ex Fisch. & C. A. Mey.) Dorn var. *major* (Hook.) Dorn - Dorn01, E/W

[*Descurainia incana* (Bernh.) Dorn] - SF!

- [*Descurainia incana* (Bernh. ex Fisch. & C. A. Mey.) Dorn] - FCF, W&W  
 [*Descurainia incana* (Bernh. ex Fisch. & C. A. Mey.) Dorn subsp. *incana*] -KTZ  
 [*Descurainia richardsonii* (Sweet) O. E. Schulz] - GPF  
*Descurainia incana* (Bernh. ex Fisch. & C. A. Mey.) Dorn var. *viscosa* (Rydb.) Dorn - Dorn01,  
 E/W  
 [*Descurainia incana* (Bernh. ex Fisch. & C. A. Mey.) Dorn] - W&W  
 [*Descurainia incana* (Bernh. ex Fisch. & C. A. Mey.) Dorn subsp. *viscosa* (Rydb.) Kartesz & Gandhi] - KTZ,  
 FCF  
 [*Descurainia incisa* (Engelm.) Britton subsp. *viscosa* (Rydb.) Rollins - SF!  
 [*Descurainia incisa* (Engelm. ex A. Gray) Britton subsp. *viscosa* (Rydb.) Rollins - FCF, W&W  
 [*Descurainia richardsonii* (Sweet) O. E. Schulz] - GPF  
 [*Descurainia richardsonii* (Sweet) O. E. Schulz subsp. *viscosa* (Rydb.) Detling] - HDH  
 [*Descurainia richardsonii* (Sweet) O. E. Schulz var. *viscosa* (Rydb.) M. Peck] - UTF  
*Descurainia nelsonii* (Rydb.) Al-Shehbaz & Goodson - Goodson07  
 [*Descurainia brachycarpa* (Richardson) O. E. Schulz var. *nelsonii* (Rydb.) O. E. Schulz in Engler] - Goodson07  
 [*Descurainia pinnata* (Walter) Britton] - W&W  
 [*Descurainia pinnata* (Walter) Britton subsp. *nelsonii* (Rydb.) Detling] - HDH, KTZ, FCF, SF!, W&W<sup>1</sup>  
 [*Descurainia pinnata* (Walter) Britton var. *nelsonii* (Rydb.) M. Peck] - Dorn01, UTF, E/W  
 [*Sophia nelsonii* Rydb.] - Goodson07  
*Descurainia obtusa* (Greene) O.E.Schulz subsp. *adenophora* (Woot. & Standl.) Detling - KWA,  
 M&H, KTZ  
 [*Sophia adenophora* Woot. & Standl.] - M&H  
*Descurainia obtusa* (Greene) O. E. Schulz subsp. *obtusata* - KWA, M&H, FCF  
 [*Descurainia obtusa* (Greene) O. E. Schulz] - HDH, rep.  
 [*Descurainia obtusa* subsp. *typica* Detling] - KTZ  
 [*Sophia obtusa* Greene] - M&H  
*Descurainia pinnata* (Walter) Britton var. *brachycarpa* (Richardson) Fernald - Dorn01  
 [*Descurainia pinnata* (Walter) Britton] - W&W  
 [*Descurainia pinnata* (Walter) Britton subsp. *brachycarpa* (Richardson) Detling] - GPF, HDH, KTZ, FCF,  
 W&W  
*Descurainia pinnata* (Walter) Britton var. *filipes* (A. Gray) M. Peck - Dorn01, UTF, E/W  
 [*Descurainia incisa* (Engelm.) Britton subsp. *filipes* (A. Gray) Rollins] - SF!  
 [*Descurainia incisa* (Engelm. ex A. Gray) Britton subsp. *filipes* (A. Gray) Rollins] -FCF, W&W<sup>1</sup>  
 [*Descurainia pinnata* (Walter) Britton] - W&W  
 [*Descurainia pinnata* (Walter) Britton subsp. *filipes* (A. Gray) Detling] - HDH, KTZ  
*Descurainia pinnata* (Walter) Britton var. *intermedia* (Rydb.) C. L. Hitchc. - Dorn01, UTF, E/W  
 [*Descurainia pinnata* (Walter) Britton] - W&W  
 [*Descurainia pinnata* (Walter) Britton subsp. *intermedia* (Rydb.) Detling] - GPF, HDH, KTZ, FCF, SF!, W&W<sup>1</sup>  
*Descurainia pinnata* var. *ochroleuca* (Woot.) Shinnery - KWA, M&H  
 [*Descurainia pinnata* subsp. *ochroleuca* (Woot.) Detling] - KTZ, M&H  
 [*Sophia ochroleuca* Woot. ] - KTZ  
*Descurainia pinnata* (Walter) Britton var. *osmiarum* (Cockerell) Shinnery - Dorn01, UTF, E/W  
 [*Descurainia pinnata* (Walter) Britton] - W&W  
 [*Descurainia pinnata* (Walter) Britton subsp. *halictorum* (Cockerell) Detling] - GPF, HDH, KTZ, FCF, SF!,  
 W&W<sup>1</sup>  
*Descurainia pinnata* (Walter) Britton var. *paysonii* (Detling) S. L. Welsh & Reveal - Dorn01,  
 UTF  
 [*Descurainia incisa* (Engelm. ex A. Gray) Britton subsp. *paysonii* (Detling) Rollins] - FCF  
 [*Descurainia pinnata* (Walter) Britton] - W&W  
 [*Descurainia pinnata* (Walter) Britton subsp. *paysonii* Detling] - HDH, exp., KTZ  
 ♦ *Descurainia ramosissima* Rollins - **ENDEMIC** <CO>, KTZ, FCF, SFE, W&W, E  
 ♦ *Descurainia torulosa* Rollins - **ENDEMIC** <WY>, KTZ, Dorn01  
 ∴ *Descurainia sophia* (L.) Webb ex Prantl - Dorn01, HDH, KTZ, UTF, W&W, E/W

[*Descurainia sophia* (L.) Webb] - GPF, FCF, SF!, W&W<sup>1</sup>

Δ *Dimorphocarpa wislizeni* (Engelm.) Rollins - KTZ, FCF, SFW, W&W, W  
[*Dithyrea wislizenii* Engelm.] - HDH rep., UTF

∴ *Diplotaxis muralis* (L.) A. DC. - KTZ, FCF, SFW, W&W<sup>1</sup>, W  
[*Diplotaxis muralis* A. DC.] - UTF

Dithyrea (see **Dimorphocarpa**)

Draba

(Identification sources: \_\_\_\_\_)

*Draba albertina* Greene - KTZ, FCF, SF!, W&W, E/W

[*Draba crassifolia* R. Grah.] - HDH

[*Draba stenoloba* Ledeb. var. *nana* (O. E. Schulz) C. L. Hitchc.] - HDH

*Draba aurea* Vahl ex Hornem. - Dorn01, KTZ, FCF, W&W, E/W

[*Draba aurea* Vahl] - GPF, HDH, SF!, UTF

*Draba borealis* DC. - Dorn01, KTZ, FCF, SF!, W&W, E/W

*Draba cana* Rydb. - Dorn01, W&W, E/W

[*Draba breweri* S. Watson var. *cana* (Rydb.) Rollins] - KTZ, FCF, SF!, W&W<sup>1</sup>

[*Draba lanceolata* Royle] - GPF, HDH, UTF

*Draba crassa* Rydb. - HDH, KTZ, FCF, SF!, UTF, W&W, E/W

*Draba crassifolia* Graham var. *crassifolia* - Dorn01, HDH, E/W

[*Draba crassifolia* Graham] - KTZ, FCF, SF!, UTF, W&W

[*Draba stenoloba* Ledeb.] - HDH

*Draba cuneifolia* Nutt. ex Torr. & A. Gray var. *cuneifolia* - HDH, KTZ, FCF, UTF, E/W

[*Draba cuneifolia* Nutt.] - GPF, SF!

[*Draba cuneifolia* Nutt. ex Torr. & A. Gray] - W&W

[*Draba cuneifolia* Nutt. var. *cuneifolia*] - GPF

◆ *Draba exunguiculata* (O. E. Schulz) C. L. Hitchc. - **ENDEMIC** <CO>, HDH, KTZ,  
FCF, SF!, W&W, E/W

{*Draba fladnizensis* Wulf. var. *fladnizensis*} - KTZ, FCF, out of range

*Draba fladnizensis* Wulf. var. *pattersonii* (O. E. Schulz) Rollins - KTZ, FCF, SF!, W&W<sup>1</sup>, E/W

[*Draba fladnizensis* Wulf.] - HDH, UTF, W&W

*Draba globosa* Payson - Dorn01, KTZ, FCF, SF!, W&W, E/W

[*Draba apiculata* C. L. Hitchc.] - KTZ, RMC

[*Draba densifolia* Nutt. ex Torr. & A. Gray var. *apiculata* (C. L. Hitchc.) S. L. Welsh] - UTF

[*Draba densifolia* Nutt. ex Torr. & A. Gray var. *globosa* (Payson) S. Welsh] - UT3

◆ *Draba graminea* Greene - **ENDEMIC** <CO>, HDH, KTZ, FCF, SF!, W&W, E/W

◆ *Draba grayana* (Rydb.) C. L. Hitchc. - **ENDEMIC** <CO, NM>, Hartman06, HDH, KTZ, FCF,  
SF!, W&W, E/W

*Draba helleriana* Greene - Al-Shehbaz07b, HDH, SF!, W&W

[*Draba aurea* Vahl ex Hornemann var. *stylosa* A. Gray] - Al-Shehbaz07b

[*Draba helleriana* Greene var. *helleriana*] - KTZ, FCF, E/W, Snow07b

[*Draba helleriana* Greene var. *leiocarpa* O. E. Schulz in Engler] - Al-Shehbaz07b

[*Draba helleriana* Greene var. *patens* (Heller) O. E. Schulz] - Snow07b, KWA, JM, M&H, KTZ

[*Draba helleriana* Greene var. *neomexicana* (Greene) O. E. Schulz in Engler] - Al-Shehbaz07b

[*Draba helleriana* Greene var. *patens* (A. Heller) O. E. Schulz in Engler] - Al-Shehbaz07b

- [*Draba helleriana* Greene var. *pinetorum* (Greene) O. E. Schulz in Engler] - Al-Shehbaz07b  
 [*Draba neomexicana* Greene] - Al-Shehbaz07b  
 [*Draba neomexicana* Greene var. *robusta* A. Heller] - Al-Shehbaz07b  
 [*Draba pallida* A. Heller] - Al-Shehbaz07b  
 [*Draba patens* A. Heller] - Al-Shehbaz07b  
 [*Draba pinetorum* Greene] - Al-Shehbaz07b
- Draba incerta* Payson - Dorn01, SFW, UTF, W&W, W  
 [*Draba incerta* Payson var. *incerta*] - KTZ, FCF
- Draba juniperina* Dorn - Dorn01
- Draba lonchocarpa* Rydb. var. *lonchocarpa* - KTZ, FCF, UTF, E/W  
 [*Draba lonchocarpa* Rydb.] - Dorn01, SF!, W&W  
 [*Draba lonchocarpa* Rydb. var. *exigua* Schulz] - UTF  
 [*Draba nivalis* Liljeblad var. *exigua* (O. E. Schulz) C. L. Hitchc.] - HDH
- Draba macounii* O. E. Schulz - KTZ, FCF
- ◆ *Draba malpighiacea* Windham & Al-Shehbaz - Al-Shehbaz07b
- △ *Draba nemorosa* L. var. *nemorosa* - E/W  
 [*Draba nemorosa* L.] - Dorn01, GPF, HDH, KTZ, FCF, SF!, UTF, W&W
- Draba oligosperma* Hook. var. *juniperina* (Dorn) Welsh – WY checklist, KTZ
- Draba oligosperma* Hook. var. *oligosperma* - UTF, E/W  
 [*Draba oligosperma* Hook.] - Dorn01, HDH, KTZ, FCF, SF!, W&W
- Draba porsildii* Mulligan var. *porsildii* - Dorn01, KTZ, FCF, E/W  
 [*Draba porsildii* Mulligan] - SF!, W&W
- Draba rectifruca* C. L. Hitchc. - HDH, KTZ, FCF, SF!, UTF, W&W, E/W
- Draba reptans* (Lam.) Fernald - Dorn01, KTZ, FCF, SF!, W&W, E/W  
 [*Draba reptans* (Lam.) Fernald var. *reptans*] - GPF, HDH, UTF  
 [*Draba reptans* (Lam.) Fernald var. *micrantha* (Nutt.) Fernald] - GPF  
 [*Draba reptans* (Lam.) Fernald var. *stellifera* (O. E. Schulz) C. L. Hitchc.] - UTF  
 [*Draba reptans* (Lam.) Fernald forma *micrantha* (Nutt.) C. L. Hitchc.] - HDH  
 [*Draba reptans* (Lam.) Fernald forma *stellifera* (O. E. Schulz) C. L. Hitchc.] - HDH
- ◆ *Draba smithii* Gilg ex O. E. Schultz - **ENDEMIC** <CO>, HDH, KTZ, FCF, W&W, E  
 [*Draba smithii* Gilg] - SFE
- Draba spectabilis* Greene - SF!, W&W, Al-Shehbaz07b  
 [*Draba oxyloba* Greene] - Al-Shehbaz07b  
 [*Draba spectabilis* Greene var. *bella* O. E. Schulz in Engler] - Al-Shehbaz07b  
 [*Draba spectabilis* Greene var. *oxyloba* (Greene) Gilg & O. E. Schulz] - Dorn01, HDH, FCF, E/W, Al-Shehbaz07b  
 [*Draba spectabilis* Greene var. *oxyloba* (Greene) Gilg & O. E. Schulz ex O. E. Schulz] - KTZ  
 [*Draba spectabilis* Greene var. *purpusii* Gilg & O. E. Schulz in Engler] - Al-Shehbaz07b  
 [*Draba spectabilis* Greene var. *spectabilis*] - HDH, KTZ, FCF, UTF, E/W
- {*Draba stenoloba* Ledeb.} - GPF <CO>, KTZ, FCF, UTF  
 {GPF likely referring to *Draba albertina*}
- ◆ *Draba streptobrachia* Price - **ENDEMIC** <CO>, KTZ, FCF, SF!, W&W, E/W  
 [*Draba spectabilis* Greene var. *dasycarpa* (O. E. Schulz) C. L. Hitchc.] - HDH
- Draba streptocarpa* A. Gray - Dorn01, KTZ, FCF, SF!, W&W, E/W  
 [*Draba streptocarpa* A. Gray var. *streptocarpa*] - HDH  
 [*Draba streptocarpa* A. Gray var. *tonsa* (Wooton & Standl.) O. E. Schulz] - HDH
- Draba ventosa* A. Gray - Dorn01, HDH, exp., KTZ, FCF, SFW, W&W, W  
 [*Draba ventosa* A. Gray var. *ventosa*] - UTF
- ◆ *Draba weberi* Price & Rollins - **ENDEMIC** <CO>, KTZ, FCF, SFW, W&W, W
- Erucastrum gallicum* (Willd.) O. E. Schulz - Dorn01  
 [*Brassica erucastrum* L.] - KTZ

∴ {*Eruca vesicaria* (L.) Cav. subsp. *sativa* (Mill.) Thell.} - KTZ <AZ, KS, NE, NM, UT>, FCF  
{*Eruca sativa* Mill.} - GPF, HDH, rep.  
{*Eruca vesicaria* (L.) Cav. var. *sativa* (Mill.) Thell.} - UTF

*Erysimum asperum* (Nutt.) DC. - GPF, HDH, FCF, SF!, UTF, W&W, E/W

[*Erysimum asperum* (Nutt.) DC. var. *asperum*] - Dorn01

[*Erysimum asperum* (Nutt.) DC. var. *arkansanum* (Nutt.) A. Gray] - Dorn01

[*Erysimum capitatum* (Douglas ex Hook.) Greene var. *capitatum*] - KTZ

*Erysimum capitatum* (Douglas ex Hook.) Greene var. *argillosum* (Greene) R.J. Davis - E/W

[*Erysimum asperum* (Nutt.) DC.] - UTF

[*Erysimum capitatum* (Douglas) Greene] - SF!, W&W

[*Erysimum capitatum* (Douglas ex Hook.) Greene var. *purshii* (T. Durand) Rollin] - FCF, KTZ, W&W<sup>1</sup>

*Erysimum capitatum* (Douglas ex Hook.) Greene var. *capitatum* - KTZ, FCF, E/W

[*Erysimum asperum* (Nutt.) DC.] - UTF

[*Erysimum capitatum* (Douglas) Greene] - GPF, SF!, W&W

[*Erysimum nivale* (Greene) Rydb.] - HDH

[*Erysimum capitatum* (Douglas) Greene var. *capitatum*] - W&W<sup>1</sup>

[*Erysimum wheeleri* Rothr.] - HDH

∴ *Erysimum cheiranthoides* L. subsp. *altum* Ahti - Dorn01, SF!, W&W, E/W

[*Erysimum cheiranthoides* L.] - GPF, HDH, KTZ, FCF, UTF

*Erysimum inconspicuum* (S. Watson) MacMill. - Dorn01, GPF, HDH, SF!, UTF, W&W, E/W

[*Erysimum inconspicuum* (S. Watson) MacMill. var. *inconspicuum*] - KTZ, FCF

∴ *Erysimum repandum* L. - Dorn01, GPF, HDH, KTZ, FCF, SF!, UTF, W&W, E/W

∴ *Euclidium syriacum* (L.) R. Br. - Dorn01, FCF, SFW, UTF, W&W, W

[*Euclidium syriacum* (L.) W. T. Aiton] - KTZ

◆ *Eutrema penlandii* Rollins - **ENDEMIC** <CO>, FCF, HDH2, KTZ, E/W

[NS - Al-Shehbaz {pers. comm. 2004} indicates this taxon may need transfer to *Thellungiella*; however, the combination is not yet available in that genus]

[*Eutrema edwardsii* R. Br. subsp. *penlandii* (Rollins) W. A. Weber] - SFE, W&W

[*Eutrema edwardsii* R. Br. subsp. *penlandii* Rollins] - SFW

*Halimolobos virgata* (Nutt.) O. E. Schulz - Dorn01, HDH, KTZ, SF!, UTF, W&W, E/W

[*Halimolobos virgata* (Nutt. ex Torr. & A. Gray) O. E. Schulz] - FCF

*Hesperidanthus* (see **Thelypodiopsis**)

∴ *Hesperis matronalis* L. - Dorn01, GPF, HDH, KTZ, FCF, SF!, UTF, W&W, E/W

*Hutchinsia procumbens* (L.) Desv. - Dorn01, HDH, KTZ, FCF, UTF, W

[*Hymenolobus procumbens* (L.) Nutt.] - SFW

[*Hymenolobus procumbens* (L.) Nutt. ex Torr. & A. Gray] - W&W

*Hymenolobus* (see **Hutchinsia**)

∴ *Iberis amara* L. - KTZ, FCF, SFE, W&W, E

∴ *Isatis tinctoria* L. - Dorn01, KTZ, FCF, SFW, UTF, W&W, W

Koniga (see **Lobularia**)

Lepidium

(Identification sources: \_\_\_\_\_)

Lepidium alyssoides A. Gray var. alyssoides - KTZ, FCF, SFW, E/W

[Lepidium alyssoides A. Gray] - SFE, W&W<sup>1</sup>

[Lepidium montanum Nutt.] - HDH

[Lepidium montanum Nutt. subsp. alyssoides (A. Gray) C. L. Hitchc.] - W&W

[Lepidium montanum Nutt. var. alyssoides (A. Gray) M. E. Jones] - Dorn01

Lepidium alyssoides A. Gray var. eastwoodiae (Wooton) Rollins - KTZ, FCF, SFW, W

[Lepidium alyssoides A. Gray]

[Lepidium montanum Nutt.] - HDH

[Lepidium montanum Nutt. var. eastwoodiae (Wooton) C. L. Hitchc.] - W&W<sup>1</sup>

∴ Lepidium campestre (L.) R. Br. - Dorn01, GPF, HDH, FCF, UTF, E/W

[Lepidium campestre (L.) W. T. Aiton] - KTZ

[Neolepia campestre (L.) W. A. Weber] - SF!, W&W

Lepidium crenatum (Greene) Rydb. - KTZ, FCF, SFW, W&W<sup>1</sup>, W

[Lepidium alyssoides A. Gray var. alyssoides] - KTZ, FCF

[Lepidium alyssoides A. Gray var. eastwoodiae (Wooton) Rollins] - KTZ, FCF

[Lepidium montanum Nutt.] - HDH

[Lepidium montanum Nutt. var. spatulatum (B. L. Rob.) C. L. Hitchc.] - UTF, sensu UT material, W&W<sup>1</sup>

Δ Lepidium densiflorum Schrad. var. densiflorum - Dorn01, HDH, KTZ, FCF, UTF, E/W

[Lepidium densiflorum Schrad.] - GPF, SF!, W&W

[Lepidium montanum Nutt. var. spatulatum (B. L. Rob.) C. L. Hitchc.] - W&W

Lepidium densiflorum Schrad. var. macrocarpum Mulligan - Dorn01, KTZ, FCF, E/W

[Lepidium densiflorum Schrad.] - SF!, W&W

[Lepidium densiflorum Schrad. var. densiflorum] - UTF

Lepidium densiflorum Schrad. var. ramosum (A. Nels.) Thell. - Dorn01, HDH, KTZ, FCF, UTF, E/W

[Lepidium densiflorum Schrad.] - SF!, W&W

Lepidium integrifolium Nutt. var. heterophyllum S. Watson - KTZ, W

[Lepidium integrifolium Nutt. ex Torr. & A. Gray var. heterophyllum S. Watson] - FCF

[Lepidium montanum Nutt.] - Dorn01, HDH, SFW

[Lepidium montanum Nutt. var. heterophyllum (S. Watson) C. L. Hitchc.] - UTF

[Lepidium montanum Nutt. var. spatulatum (B. L. Rob.) C. L. Hitchc.] - W&W

Lepidium lasiocarpum Nutt. var. lasiocarpum - HDH, KTZ, W

[Lepidium lasiocarpum Nutt.] - SFW, W&W

[Lepidium lasiocarpum Nutt. ex Torr. & A. Gray var. lasiocarpum] - FCF, UTF

∴ Lepidium latifolium L. - Dorn01, GPF, HDH, KTZ, FCF, UTF, E/W

[Cardaria latifolia (L.) Spach] - SF!, W&W

◆ Lepidium montanum Nutt. var. coloradense Rollins - **ENDEMIC <CO>**, KTZ, SFW, W&W<sup>1</sup>, W

[Lepidium montanum Nutt. ex Torr. & A. Gray var. coloradense Rollins] - FCF

Lepidium montanum Nutt. var. jonesii (Rydb.) C. L. Hitchc. - KTZ, SFW, UTF, W&W, W

[Lepidium montanum Nutt.] - HDH

[Lepidium montanum Nutt. ex Torr. & A. Gray var. jonesii (Rydb.) C. L. Hitchc.] - FCF

Lepidium montanum Nutt. var. montanum - Dorn01, KTZ, SFW, UTF, W&W<sup>1</sup>, W

[Lepidium montanum Nutt.] - HDH

- [*Lepidium montanum* Nutt. subsp. *montanum*] - W&W  
 [*Lepidium montanum* Nutt. ex Torr. & A. Gray var. *montanum*] - FCF
- ◆ *Lepidium montanum* Nutt. var. *tenellum* (L. O. Williams) C. L. Hitchc. - **ENDEMIC** <CO>, KTZ, SFW, W&W, W  
 [*Lepidium montanum* Nutt. ex Torr. & A. Gray var. *tenellum* (L. O. Williams) C. L. Hitchc.] - FCF
- Lepidium montanum* Nutt. var. *wyomingense* (C. L. Hitchc.) C. L. Hitchc. - KTZ, SFW, W&W<sup>1</sup>, W  
 [*Lepidium montanum* Nutt. ex Torr. & A. Gray var. *wyomingensis* (C. L. Hitchc.) C. L. Hitchc.] - FCF  
 {*Lepidium paysonii* Rollins} - KTZ <WY>, FCF, W&W<sup>1</sup>, label err.?  
 ∴ *Lepidium perfoliatum* L. - Dorn01, GPF, HDH, KTZ, FCF, SF!, UTF, W&W, E/W
- Δ *Lepidium ramosissimum* A. Nelson var. *bourgeauanum* (Thell.) Rollins - Dorn01, FCF, Hartman 06, SFW, E/W  
 [*Lepidium bourgeauanum* Thell.] - W&W  
 [*Lepidium densiflorum* Schrad.] - GPF  
 [*Lepidium densiflorum* Schrad. var. *bourgeauanum* (Thell.) C. L. Hitchc.] - HDH  
 [*Lepidium densiflorum* Schrad. var. *densiflorum*] - UTF  
 [*Lepidium ramosissimum* A. Nelson] - SFE, W&W
- ◆ *Lepidium ramosissimum* A. Nelson var. *divergens* (Osterh.) Rollins - **ENDEMIC** <CO>, KTZ, FCF, SFW, E/W
- Lepidium ramosissimum* A. Nelson var. *ramosissimum* - Dorn01, KTZ, FCF, E/W  
 [*Lepidium densiflorum* Schrad. var. *ramosum* (A. Nelson) Thell.] - W&W  
 [*Lepidium ramosissimum* A. Nelson] - GPF, HDH, SF!, W&W  
 ∴ *Lepidium sativum* L. - Dorn01, GPF, KTZ, FCF, UTF, W&W<sup>1</sup>
- Δ *Lepidium strictum* (S. Watson) Rattan - KTZ, FCF, SFW, UTF, W&W, W
- Δ *Lepidium virginicum* L. var. *medium* (Greene) C. L. Hitchc. - Dorn01, HDH, KTZ, E/W  
 [*Lepidium virginicum* L.] - GPF, SF!, W&W  
 [*Lepidium virginicum* L. var. *virginicum*] - W&W<sup>1</sup>
- Δ *Lepidium virginicum* L. var. *pubescens* (Greene) Thell. - Dorn01, KTZ, FCF, UTF, E/W  
 [*Lepidium virginicum* L.] - GPF, SF!, W&W  
 [*Lepidium virginicum* L. var. *pubescens* (Greene) C. L. Hitchc.] - HDH  
 [*Lepidium virginicum* L. var. *virginicum*] - W&W<sup>1</sup>

## Lesquerella

(Identification sources: \_\_\_\_\_)

[NS - O'Kane and Al-Shehbaz placed all *Lesquerella* into *Physaria* apart from the auriculate-leaved species of the southeast, which will go into *Paysonia*. I prefer seeing published phylogenies before making the transfer.]

- Lesquerella alpina* (Nutt.) S. Watson var. *alpina* - KTZ, UTF, E/W  
 [*Lesquerella alpina* (Nutt.) S. Watson] - Dorn01, GPF, HDH  
 [*Lesquerella alpina* (Nutt.) S. Watson subsp. *alpina*] - SF!  
 [*Lesquerella alpina* (Nutt. ex Torr. & A. Gray) S. Watson subsp. *alpina*] - W&W  
 [*Lesquerella alpina* (Nutt. ex Torr. & A. Gray) var. *alpina*] - FCF
- Lesquerella arenosa* (Richardson) Rydb. var. *arenosa* - Dorn01  
 [*Lesquerella ludoviciana* var. *arenosa* (Richardson) S. Wats.] - KTZ
- Lesquerella arenosa* (Richardson) Rydb. var. *argillosa* Rollins & E. A. Shaw - Dorn01, GPF, KTZ, FCF, W&W, E  
 [*Lesquerella arenosa* (Richardson) Rydb.] - SFE
- ◆ *Lesquerella calcicola* Rollins - **ENDEMIC** <CO, NM>, HDH, KTZ, FCF, SFE, W&W, E

- Lesquerella condensata A. Nelson - Dorn01, KTZ, FCF  
 [Lesquerella alpina (Nutt.) S. Watson var. condensata (A. Nelson) C. L. Hitchc.] - UTF
- ◆ Lesquerella congesta Rollins - **ENDEMIC** <CO>, KTZ, FCF, SFW, W&W, W
- Lesquerella fendleri (A. Gray) S. Watson - GPF, HDH, KTZ, FCF, SF!, UTF, W&W, E/W  
 {Lesquerella intermedia (S. Watson) A. Heller} - HDH, KTZ, FCF, UTF, W&W
- Lesquerella ludoviciana (Nutt.) S.Wats.- Dorn01, GPF, HDH, KTZ, FCF, SF!, W&W, E/W
- ◆ Lesquerella macrocarpa A. Nelson - **ENDEMIC** <WY>, Dorn01, KTZ
- Lesquerella montana (A. Gray) S. Wats. - Dorn01, GPF, HDH, KTZ, FCF, SFE, W&W, E
- Lesquerella ovalifolia Rydb. ex Britton var. ovalifolia - E  
 [Lesquerella ovalifolia Rydb.] - HDH, SFE, W&W  
 [Lesquerella ovalifolia Rydb. subsp. ovalifolia] - GPF, FCF  
 [Lesquerella ovalifolia Rydb. ex Britton subsp. ovalifolia] - KTZ
- ◆ Lesquerella parviflora Rollins - **ENDEMIC** <CO>, KTZ, FCF, SFW, W&W, W
- Lesquerella parvula Greene - Dorn01, KTZ, FCF, W&W<sup>1</sup>, E/W  
 [NS - see O’Kane06 for distribution details]  
 [Lesquerella alpina (Nutt.) S. Watson] - HDH  
 [Lesquerella alpina (Nutt.) S. Watson subsp. parvula (Greene) Rollins & E. A. Shaw] - SF!,  
 [Lesquerella alpina (Nutt. ex Torr. & A. Gray) S. Watson subsp. parvula (Greene) Rollins &  
 E. A. Shaw] - W&W  
 [Lesquerella alpina (Nutt.) S. Watson var. parvula (S. Watson) S. L. Welsh & Reveal] - UTF
- Lesquerella rectipes Wootton & Standl. - HDH, KTZ, FCF, SFW, UTF, W&W, W
- Lesquerella subumbellata Rollins - HDH, KTZ, FCF, UTF, W&W<sup>1</sup>, W  
 [Lesquerella alpina (Nutt.) S. Watson subsp. alpina] - SFW  
 [Lesquerella alpina (Nutt. ex Torr. & A. Gray) S. Watson subsp. alpina] - W&W
- ◆ Lesquerella vicina Anderson, Reveal, & Rollins - **ENDEMIC** <CO>, KTZ, W&W<sup>1</sup>;  
 Anderson97
- ∴ Lobularia maritima (L.) Desv. - Dorn01, KTZ, FCF, UTF, W&W, E  
 [Koniga maritima (L.) R. Br.] - HDH  
 [Lobularia maritima Desv.] - SFE
- ∴ Lunaria annua L. - KTZ
- ∴ Malcolmia africana (L.) R. Br. - Dorn01, HDH, SFW, W&W, W  
 [Malcolmia africana R. Br.] - GPF, FCF, UTF  
 [Malcolmia africana (L.) W. T. Aiton] - KTZ
- Nasturtium microphyllum Boenn. ex Richenb. - Castilleja 23(4): 6 (2004)
- Nasturtium officinale R. Br. - Dorn01, GPF, SF!, UTF, W&W, E/W  
 [Rorippa nasturtium-aquaticum (L.) Hayek] - KTZ, FCF  
 [Rorippa nasturtium-aquaticum (L.) Schinz & Thell.] - HDH
- Neolepia (see **Lepidium**)
- Noccaea montana (L.) F. K. Mey. - Dorn01SF!, W&W, E/W, Koch04  
 [Noccaea montana (L.) F. K. Mey. var. montana]  
 [Thlaspi alpestre L.] - HDH  
 [Thlaspi montanum L. var. montanum] - KTZ, FCF, UTF
- Pennellia longifolia (Benth.) Rollins - KTZ, FCF



*Pennellia micrantha* (A. Gray) Nieuwl. - HDH, KTZ, FCF, SF!, W&W, E/W

## Physaria

(Identification sources: \_\_\_\_\_)

*Physaria acutifolia* Rydb. var. *acutifolia* - KTZ, FCF, UTF, W

[*Physaria acutifolia* Rydb.] - Dorn01HDH, SFW, W&W

[*Physaria australis* (Payson) Rollins] - HDH

◆ *Physaria alpina* Rollins - **ENDEMIC** <CO>, KTZ, FCF, SF!, W&W, E/W

◆ *Physaria bellii* Mulligan - **ENDEMIC** <CO>, KTZ, FCF, SFE, W&W, E

*Physaria brassicoides* Rydb. - Dorn01, Snow04b

{*Physaria curvipes* (A. Nels.) Grady & O'Kane - Grady07}

{NS - closely approaches the northern end of S. Rockies in Johnson Co., WY, just north of Natrona Co.}

*Physaria didymocarpa* (Hook.) Gray var. *didymocarpa* - Dorn01

[*Physaria didymocarpa* var. *normalis* Kuntze] - KTZ

◆ *Physaria eburniflora* Rollins - **ENDEMIC** <WY> Dorn01

*Physaria floribunda* Rydb. subsp. *floribunda*

[*Physaria floribunda* Rydb.] - HDH, SF!, UTF, W&W

[*Physaria floribunda* Rydb. var. *floribunda*] - KTZ, FCF, E/W

◆ *Physaria floribunda* Rydb. subsp. *osterhoutii* (Payson) O'Kane - **ENDEMIC** <CO> O'Kane07

[*Physaria floribunda* Rydb.] - SFW

[*Physaria floribunda* Rydb. var. *osterhoutii* (Payson) Rollins] - KTZ, FCF, SFE, W&W<sup>1</sup>, E/W

[*Physaria osterhoutii* Payson] - HDH, W&W

◆ *Physaria obcordata* Rollins - **ENDEMIC** <CO>, KTZ, FCF, SFW, W&W, W

◆ *Physaria pruinosa* (Greene) O'Kane & Al-Shehbaz - **ENDEMIC** <CO, NM>

[*Lesquerella pruinosa* Greene] - HDH, KTZ, FCF, SFW, W&W

◆ *Physaria pulvinata* O'Kane & Reveal - O'Kane06

◆ *Physaria rollinsii* Mulligan - **ENDEMIC** <CO>, KTZ, FCF, SFW, W&W, W

◆ *Physaria scrotiformis* O'Kane - **ENDEMIC** <CO> O'Kane07

*Physaria spatulata* (Rydb.) Grady & O'Kane - Grady07

[*Lesquerella alpina* (Nutt.) S. Wats. var. *spatulata* (Rydb.) Payson] - KTZ

[*Lesquerella spatulata* Rydb.] - Grady07

[*Lesquerella reediana* subsp. *spatulata* (Rydb.) O'Kane & Al-Shehbaz] - Al-Shehbaz02

◆ *Physaria vitulifera* Rydb. - **ENDEMIC** <CO, WY>, Dorn01, HDH, KTZ, FCF, SFE, W&W, E, Jennings04

∴ *Raphanus raphanistrum* L. - HDH, KTZ, FCF, UTF, W&W

∴ *Raphanus sativus* L. - Dorn01GPF, HDH, KTZ, FCF, UTF, W&W

## Rorippa (see also **Armoracia**, **Nasturtium**)

(Identification sources: \_\_\_\_\_)

*Rorippa calycina* (Engelm.) Rydb. - Dorn01, KTZ

[*Nasturtium calycinum* Engelm.] - KTZ

*Rorippa curvipes* Greene var. *alpina* (S. Watson) Stuckey - Dorn01, SFW, UTF, W&W, E/W

[*Rorippa alpina* (S. Watson) Rydb.] - HDH, KTZ, FCF, SFE, W&W<sup>1</sup>

*Rorippa curvipes* Greene var. *curvipes* - Dorn01, KTZ, FCF, UTF, W&W, E

[*Rorippa curvipes* Greene] - GPF, HDH, SFE, W&W<sup>1</sup>  
*Rorippa curvipes* Greene var. *integra* (Rydb.) Stuckey - Dorn01  
*Rorippa curvipes* Greene var. *truncata* (Jeps.) Rollins - KTZ, FCF  
 [Rorippa truncata (Jeps.) R. Stuckey] - Dorn01  
 {*Rorippa curvisiliqua* (Hook.) Bessey ex Britton var. *lyrata* (Nutt.) Stuckey} - W&W, err. rep.  
 {*Rorippa curvisiliqua* (Hook.) Bessey ex Britton var. *lyrata* (Nutt. ex Torr. & A. Gray) Stuckey} - FCF  
 {*Rorippa curvisiliqua* (Hook.) Besser ex Britton var. *lyrata* (Nutt.) M. Peck ex C. L. Hitchc.} - KTZ  
 {*Rorippa lyrata* (Nutt.) Rydb.} - HDH  
 {*Rorippa islandica* (Oeder ex J. A. Murray) Borbás} - HDH, W&W, err. rep.  
 {*Rorippa islandica* (Oeder) Borbás} - KTZ  
*Rorippa palustris* (L.) Besser var. *fernaldiana* (Butters & Abbe) Stuckey - Dorn01, FCF  
 [Rorippa islandica (Oeder) Borbás var. *glabra* (O. E. Schulz) S. L. Welsh & Reveal] - UTF  
 [Rorippa palustris (L.) Besser subsp. *fernaldiana* (Butters & Abbe) Jonsell] -KTZ  
 [Rorippa palustris (L.) Besser subsp. *glabra* (O. E. Schulz) R. Stuckey var. *fernaldiana*  
 (Butters & Abbe) Stucky] - GPF  
 [Rorippa palustris (L.) Besser var. *glabra* (O. E. Schulz) R. Stuckey] - W&W  
*Rorippa palustris* (L.) Besser var. *hispida* (Desv.) Rydb. - Dorn01, FCF, E/W  
 [Rorippa hispida (Desv.) Britton] - HDH  
 [Rorippa islandica (Oeder) Borbás var. *hispida* (Desv.) Butters & Abbe] - UTF  
 [Rorippa palustris (L.) Besser subsp. *hispida* (Desv.) Jonsell] - KTZ, SF!, W&W  
 [Rorippa palustris (L.) Besser subsp. *hispida* (Desv.) Jonsell var. *hispida*] - GPF <CO>  
*Rorippa palustris* (L.) Besser var. *palustris* - FCF  
*Rorippa sinuata* (Nutt.) Hitchc. - Dorn01, GPF, HDH, KTZ, SF!, UTF, W&W, E/W  
 [Rorippa sinuata (Nutt. ex Torr. & A. Gray) Hitchc.] - FCF  
*Rorippa sphaerocarpa* (A. Gray) Britton - Dorn01, HDH, KTZ, FCF, SF!, UTF, W&W, E/W  
 ∴ *Rorippa sylvestris* (L.) Besser - GPF, Hartman06, KTZ, FCF, SFE, UTF, W&W, E  
*Rorippa tenerrima* Greene - Dorn01, GPF, KTZ, FCF, SFE, UTF, W&W, E  
*Rorippa teres* (Michx.) Stuckey - KTZ, SF!, W&W, E/W  
 [Rorippa obtusa (Nutt.) Britton] - HDH  
 [Rorippa teres (Michx.) Stuckey var. *teres*] - FCF

#### Schoenocrambe (see **Sisymbrium**, **Thelypodiopsis**)

- ∴ *Sinapis alba* L. - KTZ, FCF, W&W  
 [Brassica hirta Moench] - GPF, HDH, UTF  
 [Rorippa coloradensis R. Stuckey] - Al-Shehbaz, pers. comm., 2007, KTZ, FCF, SFE, W&W, E
- ∴ *Sinapis arvensis* L. - Dorn01, KTZ, FCF, SF!, W&W, E/W  
 [Brassica kaber (DC.) Wheeler] - GPF, HDH, UTF

#### Sisymbrium (see also **Arabidopsis**, **Thelypodiopsis**)

(Identification sources: \_\_\_\_\_)

- ∴ *Sisymbrium altissimum* L. - GPF, HDH, KTZ, FCF, SF!, UTF, W&W, E/W
- ∴ *Sisymbrium austriacum* Jacq. - KTZ, SFE, W&W, E
- ∴ *Sisymbrium irio* L. - FCF, GPF <CO>, KTZ <AZ, NM, UT>, FCF
- Sisymbrium linifolium* Nutt. - HDH  
 [Schoenocrambe linifolia (Nutt.) Greene] - Dorn01, KTZ, FCF, SF!, UTF, W&W, E/W
- ∴ *Sisymbrium loeselii* L. - GPF, KTZ, FCF, SF!, W&W, E/W
- ∴ *Sisymbrium officinale* (L.) Scop. - HDH, KTZ, FCF, SFE, UTF, W&W, E

[*Sisymbrium officinale* (L.) Scop. var. *leiocarpum* DC.] - GPF  
[*Sisymbrium officinale* (L.) Scop. var. *officinale*] - GPF

*Smelowskia calycina* (Steph. ex Willd.) C. A. Mey. var. *americana* (Regel & Herd.) Drury & Rollins - Dorn01, KTZ, E/W

[*Smelowskia calycina* (Steph.) C. A. Mey.] - SF!

[*Smelowskia calycina* (Steph. ex Willd.) C. A. Mey.] - W&W

[*Smelowskia calycina* C. A. Mey. var. *americana* Drury & Rollins] - HDH

[*Smelowskia calycina* C. A. Mey. var. *americana* (Regel & Herd.) Drury & Rollins] - UTF

[*Smelowskia calycina* (Steph.) C. A. Mey. var. *americana* (Regel & Herd.) Drury & Rollins] - FCF

*Stanleya albescens* M. E. Jones - HDH, KTZ, FCF, SFW, UTF, W&W, W

*Stanleya pinnata* (Pursh) Britton var. *integrifolia* (E. James) Rollins - GPF, HDH, FCF, W&W, W

[*Stanleya integrifolia* E. James] - UTF

[*Stanleya pinnata* (Pursh) Britton] - Dorn01

[*Stanleya pinnata* (Pursh) Britton var. *integrifolia* (E. James) Robins.] - SFW

[*Stanleya pinnata* (Pursh) Britton var. *integrifolia* (E. James ex Torr.) Rollins] - KTZ

*Stanleya pinnata* (Pursh) Britton var. *pinnata* - GPF, HDH, KTZ, FCF, UTF, W&W, E/W

[*Stanleya pinnata* (Pursh) Britton] - SF!

[*Stanleya pinnata* (Pursh) Britton var. *bipinnata* (Greene) Rollins] - HDH, KTZ, FCF

*Stanleya viridiflora* Nutt. - Dorn01, HDH, KTZ, SFW, W&W, W

[*Stanleya viridiflora* Nutt. ex Torr. & A. Gray] - FCF, UTF

*Stanleyella* (see **Thelypodium**)

*Streptanthella longirostris* (S. Watson) Rydb. var. *longirostris* - RMC, W

[*Streptanthella longirostris* (S. Watson) Rydb.] - Dorn01, HDH, KTZ, FCF, SFW, UTF, W&W

*Streptanthus cordatus* Nutt. - Dorn01, GPF, SFW, W

[*Streptanthus cordatus* Nutt. ex Torr. & A. Gray] - HDH, UTF, W&W

[*Streptanthus cordatus* Nutt. var. *cordatus*] - KTZ

[*Streptanthus cordatus* Nutt. ex Torr. & A. Gray var. *cordatus*] - FCF

*Subularia aquatica* L. var. *americana* (Mulligan & Calder) Bovin - KTZ, FCF, E

[*Subularia aquatica* L.] - Dorn01, SFE, W&W<sup>1</sup>

*Thellungiella salsuginea* (Pall.) O. E. Schulz] - SFE, W&W

[*Arabidopsis salsuginea* (Pall.) N. Busch] - KTZ, FCF, E

[*Sisymbrium salsugineum* Pall.] - HDH, rep.

*Thelypodopsis*

(Identification sources: \_\_\_\_\_)

*Thelypodopsis aurea* (Eastw.) Rydb. - KTZ, FCF, SFW, UTF, W&W, W

[*Sisymbrium aureum* (Eastw.) Payson] - HDH

*Thelypodopsis elegans* (M. E. Jones) Rydb. - Dorn01, KTZ, FCF, SFW, UTF, W&W, W

[*Sisymbrium elegans* (M. E. Jones) Payson var. *elegans*] - HDH

◆ *Thelypodopsis juniperorum* (Payson) Rydb. - **ENDEMIC** <CO>, KTZ, FCF, SFW, W&W,

## W

[*Sisymbrium elegans* (M. E. Jones) Payson var. *juniperorum* (Payson) Harrington] - HDH

### *Thelypodiopsis linearifolius* (Gray) Al-Shehbaz

[*Schoenocrambe linearifolia* (A. Gray) Rollins] - KTZ, FCF, SF!, W&W, E/W

[*Hesperidanthus linearifolius* (A. Gray) Rydb.] - HDH

### *Thelypodium*

(Identification sources: \_\_\_\_\_)

### *Thelypodium integrifolium* (Nutt.) Endl. ex Walp. var. *gracilipes* B. L. Rob. - E/W

[*Thelypodium integrifolium* (Nutt.) Endl.] - Dorn01, SF!, W&W

[*Thelypodium integrifolium* (Nutt.) Endl. var. *gracilipes* B. L. Rob.] - UTF

[*Thelypodium integrifolium* (Nutt. ex Torr. & A. Gray) Endl. subsp. *gracilipes* (B. L. Rob.)  
Al-Shehbaz] - FCF

[*Thelypodium integrifolium* (Nutt.) Endl. ex Walp. subsp. *gracilipes* (B. L. Rob.) Al-Shehbaz] - KTZ

[*Thelypodium rhomboideum* Greene var. *gracilipes* (B. L. Rob.) Payson] - HDH

### *Thelypodium integrifolium* (Nutt.) Endl. ex Walp. var. *integrifolium* - E/W

[*Thelypodium integrifolium* (Nutt.) Endl.] - GPF, SF!, W&W

[*Thelypodium integrifolium* (Nutt.) Endl. var. *integrifolium*] - UTF

[*Thelypodium integrifolium* (Nutt. ex Torr. & A. Gray) Endl. subsp. *integrifolium*] - FCF

[*Thelypodium integrifolium* (Nutt.) Endl. ex Walp. subsp. *integrifolium*] - KTZ

[*Thelypodium lilacinum* Greene] - HDH

[*Thelypodium rhomboideum* Greene var. *rhomboideum*] - HDH

### *Thelypodium laxiflorum* Al-Shehbaz - KTZ, FCF, SFW, UTF, W&W, W

### *Thelypodium paniculatum* A. Nelson - Dorn01, KTZ, FCF, SFE, W&W, E

[*Thelypodium sagittatum* (Nutt.) Endl.] - HDH

### *Thelypodium sagittatum* (Nutt.) Endl. ex Walp. var. *sagittatum* - E

[*Thelypodiopsis sagittata* (Nutt.) O. E. Schulz var. *sagittata*] - UTF

[*Thelypodium sagittatum* (Nutt.) Endl.] - Dorn01, HDH, SFE

[*Thelypodium sagittatum* (Nutt.) Engl. subsp. *sagittatum*] - FCF, W&W

[*Thelypodium sagittatum* (Nutt. ex Torr. & A. Gray) Endl. ex Walp. subsp. *sagittatum*] - KTZ

### *Thelypodium wrightii* A. Gray subsp. *oklahomensis* Al-Shehbaz - KTZ, FCF, SFE, W&W, E

### {*Thelypodium wrightii* A. Gray subsp. *wrightii*} - KTZ <AZ, NM> FCF, W&W, err. rep.

{*Stanleyella wrightii* (A. Gray) Rydb.} - HDH

{*Thelypodium wrightii* A. Gray} - GPF, UTF

### *Thlaspi* (see also **Noccaea**)

∴ *Thlaspi arvense* L. - Dorn01, GPF, HDH, KTZ, FCF, SF!, UTF, W&W, E/W

### Δ *Turritis glabra* L. var. *glabra* – SF!, W&W, Al-Shehbaz03, O'Kane03

[*Arabis glabra* (L.) Bernh. var. *glabra*] - FCF, UTF, E/W, Rollins93

[*Arabis glabra* (L.) Bernh.] - GPF, HDH, KTZ

[*Arabis macrocarpa* (Nutt. ex Torr. & Gray) Torrey] - Rollins93

[*Arabis perfoliata* Lam.] - Rollins93

[*Turritis glabra* var. *lilacina* O. E. Schulz] - Rollins93

[*Turritis macrocarpa* Nutt. ex Torr. & Gray] - Rollins93

### *Wislizenia refracta* Engelm. subsp. *refracta* - KWA, M&H, W&S, KTZ

[*Wislizenia refracta* var. *melilotoides* (Greene) I.M. Johnston] - KTZ

## Cactaceae - CAC

(Identification sources: \_\_\_\_\_)

*Coryphantha missouriensis* (Sweet) Britton & Rose var. *missouriensis* - GPF, UTF, E/W

[*Coryphantha missouriensis* (Sweet) Britton & Rose] - Dorn01, SF!, W&W

[*Escobaria missouriensis* (Sweet) D. R. Hunt var. *missouriensis*] - KTZ

[*Mammillaria missouriensis* Sweet] - HDH

{*Coryphantha vivipara* (Nutt.) Britton & Rose var. *arizonica* (Engelm.) W. T. Marshall} - UTF, W&W

{*Escobaria vivipara* (Nutt.) Buxbaum var. *arizonica* (Engelm.) D. R. Hunt} - KTZ

*Coryphantha vivipara* (Nutt.) Britton & Rose var. *radiosa* (Engelm.) Backeb.} - M&H, GPF

<CO>, KTZ, SFW, W&W, W

[*Escobaria vivipara* (Nutt.) Buxbaum var. *radiosa* (Engelm.) D. R. Hunt] - KWA, KTZ

[*Mammillaria vivipara* (Nutt.) Haw.] - HDH

*Coryphantha vivipara* (Nutt.) Britton & Rose var. *vivipara* - GPF, SFE, UTF, W&W, E

[*Coryphantha vivipara* (Nutt.) Britton & Rose] - Dorn01

[*Escobaria vivipara* (Nutt.) Buxbaum var. *vivipara*] - KTZ

[*Mammillaria vivipara* (Nutt.) Haw.] - HDH

*Cylindropuntia* (see **Opuntia**)

*Echinocactus* (see **Pediocactus, Sclerocactus**)

*Echinocerus*

(Identification sources: \_\_\_\_\_)

*Echinocereus coccineus* Engelm. var. *coccineus* - HDH, KTZ, W

[*Echinocereus coccineus* Engelm. var. *inermis* (K. Schum.) Boiss.] - HDH

[*Echinocereus triglochidiatus* Engelm. var. *melanacanthus* (Engelm.) L. D. Benson] - UTF, W&W

[*Echinocereus triglochidiatus* Engelm. var. *triglochidiatus*] - W&W

*Echinocereus fendleri* (Engelm.) F. Seitz var. *fendleri* - KTZ, W

[*Echinocereus fendleri* (Engelm.) F. Seitz] - KTZ

[*Echinocereus fendleri* (Engelm.) Rumpler] - HDH, SFW, W&W

*Echinocereus reichenbachii* (Terscheck ex Walp.) F. Haage var. *perbellus* (Britton & Rose) L. D. Benson - GPF, KTZ, E

[*Echinocereus reichenbachii* (Terscheck) F. Haage] - HDH

[*Echinocereus reichenbachii* (Terscheck) F. Haage var. *perbellus* (Britton & Rose) L. D. Benson] - SFE, W&W

*Echinocereus triglochidiatus* Engelm. var. *mojavensis* (Engelm. & Bigel.) Benson - FCF

*Echinocereus triglochidiatus* Engelm. var. *neomexicanus* (Standl.) Standl. ex W.T. Marshall - KWA, M&H

[Some {see KWA} feel this may be a sterile hybrid between *E. coccineus* x *E. chloranthus*]

[*Echinocereus coccineus* var. *arizonicus* (Rose ex Orcutt) Ferguson] - KTZ <AZ>

[*Echinocereus neomexicanus* Standl.] - M&H

[*Echinocereus rosei* Woot. & Standl.] - M&H

[*Echinocereus polyacanthus* Engelm.] - M&H

[*Cereus neomexicanus* (Standl.) Tidestr.] - IPNI

*Echinocereus triglochidiatus* Engelm. var. *triglochidiatus* - KTZ, W&W, E/W

[*Echinocereus triglochidiatus* Engelm.] - HDH, SF!

[Echinocereus triglochidiatus Engelm. var. gonacanthus (Engelm. & Bigelow) Boissev. & C. Davidson] -  
W&W

Echinocereus viridiflorus Engelm. var. viridiflorus - KTZ, E  
[Echinocereus viridiflorus Engelm.] - Dorn01, GPF, HDH, SFE, W&W

Escobaria (see **Coryphantha**)

Mammillaria (see also **Coryphantha**)

Mammillaria heyderi Muehlenpf. - KTZ

[NS – B. Legler {pers. comm. 2009} also confirms 2 collections from Colfax Co., NM;  
mostly likely the typical variety]

Opuntia

(Identification sources: \_\_\_\_\_)

Opuntia cymochila Engelm. & Bigelow - KTZ, E

[Opuntia macrorhiza Engelm. var. macrorhiza] L. Benson - GPF, KTZ

[Opuntia macrorhiza Engelm.] - Dorn01, SFE, UTF, W&W

{Opuntia davisii Engelm. & Bigelow} - HDH

{Cylindropuntia davisii (Engelm. & Bigelow) Kunth} - W&W, err. rep.

{Opuntia tunicata (Lehm.) Link & Otto var. davisii (Engelm. & Bigelow) L. D. Benson}-GPF, KTZ <NM, OK>

Opuntia engelmannii Salm-Dyck var. engelmannii - KWA, KTZ

[Opuntia discata Griffiths] - KWA

[Opuntia dillei Griffiths] - KWA, KTZ

[Opuntia megacarpa Griffiths] - KTZ

[Opuntia microcarpa Engelm. ex B. D. Jackson] - KWA

[Opuntia occidentalis var. megacarpa (Griffiths) Munz] - KTZ

[Opuntia phaeacantha Engelm. var. discata (Griffiths) Benson] - KWA, M&H

[Opuntia tardospina Griffiths] - KWA

Opuntia erinacea Engelm. & Bigelow ex Engelm. var. erinacea - KTZ, W

[Opuntia erinacea Engelm.] - SFW

[Opuntia erinacea Engelm. var. erinacea] - UTF

[Opuntia erinacea Engelm. & Bigelow var. erinacea] - W&W

[Opuntia hystricina Engelm. & Bigelow] - HDH

Opuntia erinacea Engelm. & Bigelow ex Engelm. var. utahensis (Engelm.) L. D. Benson -  
Dorn01, KTZ

[Opuntia erinacea Engelm. var. utahensis (Engelm.) L. D. Benson] -UTF

[Opuntia erinacea Engelm. & Bigelow var. utahensis (Engelm.) L. D. Benson] - GPF, W&W

[Opuntia rhodantha K. Schum.] - HDH

Opuntia fragilis (Nutt.) Haw. var. brachyarthra (Engelm. & Bigelow) J. M. Coult. - KTZ, SFW,  
W&W, W

[Opuntia fragilis (Nutt.) Haw.] - Dorn01, UTF

[Opuntia schweriniana K. Schum.] - HDH

Opuntia fragilis (Nutt.) Haw. var. fragilis - KTZ, W&W, E

[Opuntia fragilis (Nutt.) Haw.] - GPF, HDH, SFE, UTF

◆ Opuntia heacockiae Arp - **ENDEMIC <CO>**, KTZ, SFE, W&W, E

{Opuntia humifusa (Raf.) Raf.} - GPF, W&W, err. rep.

{Opuntia humifusa Raf.} - HDH

{Opuntia humifusa (Raf.) Raf. var. humifusa} - KTZ

Opuntia imbricata (Haw.) DC. var. imbricata - KTZ, E/W

- [*Cylindropuntia imbricata* (Haw.) Knuth] - SF!, W&W  
 [Opuntia arborescens Engelm.] - HDH  
 [Opuntia imbricata (Haw.) DC.] - GPF
- Opuntia macrocentra Engelm. - KWA**  
 [Opuntia violacea Engelm.] - KTZ  
 [Opuntia violacea var. castetteri L. Benson] - KTZ  
 [Opuntia violacea var. macrocentra (Engelm.) L. Benson] - KTZ, M&H
- Opuntia phaeacantha Engelm. var. camanchica (Engelm. & Bigelow) L. D. Benson - GPF, KTZ, W&W, E/W**  
 [Opuntia phaeacantha Engelm.] - HDH, SF!
- Opuntia phaeacantha Engelm. var. major Engelm. - GPF, KTZ, UTF, W&W**  
 {Opuntia phaeacantha Engelm. var. phaeacantha} - GPF, KTZ, UTF, <CO fide L. D. Benson>
- Opuntia polyacantha Haw. var. juniperina (Britton & Rose) L. D. Benson - Dorn01, KTZ, W**  
 [Opuntia polyacantha Haw.] - W  
 [Opuntia polyacantha Haw. var. polyacantha] - UTF, W&W
- Opuntia polyacantha Haw. var. polyacantha - Dorn01, GPF, KTZ, UTF, W&W, E/W**  
 [Opuntia polyacantha Haw.] - HDH, SF!  
 [Opuntia rutila Nutt.] - HDH
- Opuntia polyacantha Haw. var. rufispina (Engelm. & Bigelow ex Engelm.) L. D. Benson - Dorn01, KTZ, W**  
 [Opuntia polyacantha Haw.] - HDH, SFW  
 [Opuntia polyacantha Haw. var. rufispina (Engelm. & Bigelow) L. D. Benson] - UTF  
 [Opuntia polyacantha Haw. var. rufispina (Engelm.) L. D. Benson] - W&W
- Opuntia polyacantha Haw. var. trichophora (Engelm. & Bigelow) J. M. Coult. - GPF, UTF, KTZ**  
 [Opuntia polyacantha Haw. var. polyacantha] - W&W  
 [Opuntia trichophora (Engelm.) Britton & Rose] - HDH
- Opuntia X viridiflora Britton & Rose - KTZ**  
 [Cylindropuntia viridiflora (Britton & Rose) F. M. Knuth] - KWA  
 [Opuntia imbricata X O. whipplei] - KTZ (pro sp.) - KTZ  
 [Opuntia whipplei Engelm. var. viridiflora (Britton & Rose) L. Benson] - KWA
- Opuntia whipplei Engelm. & Bigelow var. whipplei - UTF, W**  
 [Cylindropuntia whipplei (Engelm. & Bigelow) Knuth] - SFW, W&W  
 [Opuntia whipplei Engelm. & Bigelow] - KTZ
- ◆ **Opuntia wootonii Griffiths - ENDEMIC <NM>**  
 [Opuntia engelmannii var. wootonii (Griffiths) Fosberg] - KTZ  
 [Opuntia phaeacantha var. wootonii (Griffiths) L. Benson] - KWA, M&H, KTZ
- {*Pediocactus knowltonii* L. D. Benson} - KTZ, SFW, W&W, W
- Pediocactus simpsonii (Engelm.) Britton & Rose var. simpsonii - Dorn01, KTZ, W&W, E/W**  
 [Echinocactus simpsonii Engelm.] - HDH  
 [Pediocactus simpsonii (Engelm.) Britton & Rose] - GPF, SFW, UTF  
 [Pediocactus simpsonii (Engelm.) Britton & Rose var. minor (Engelm.) Cockerell] - KTZ, SFE, W&W
- Sclerocactus cloveriae K. D. Heil & J. M. Porter subsp. cloveriae - KTZ**  
 [Sclerocactus cloveriae K. D. Heil & J. M. Porter] - KTZ
- Sclerocactus glaucus (J. A. Purpus ex K. Schum.) L. D. Benson - KTZ, W**  
 [Echinocactus whipplei Engelm. & Bigelow] - HDH  
 [Sclerocactus glaucus (K. Schum.) L. D. Benson] - SFW, W&W  
 [Sclerocactus whipplei (Engelm.) Britton & Rose var. roseus (Clover) L. D. Benson] - UTF  
 [Sclerocactus whipplei (Engelm.) Britton & Rose var. glaucus (Purpus) S. Welsh] - UT3
- ◆ **Sclerocactus mesae-verdae (Boissev. ex Boissev. & C. Davidson) L. D. Benson**

- **ENDEMIC** <CO, NM>, KTZ, W

[Echinocactus mesae-verdae (Boissev. & C. Davidson) L. D. Benson] - HDH

[Sclerocactus mesae-verdae Boissev. & C. Davidson] - SFW

[Sclerocactus mesae-verdae (Boissev.) L. D. Benson] - UTF

[Sclerocactus mesae-verdae (Boissev. & C. Davidson) L. D. Benson] - W&W

Sclerocactus parviflorus Clover & Jotter var. intermedius (Peebles) Woodruff & L. D. Benson -  
W

[Echinocactus whipplei Engelm. & Bigelow] - HDH

[Sclerocactus parviflorus Clover & Jotter] - W&W

[Sclerocactus parviflorus Clover & Jotter subsp. intermedius (Peebles) K. D. Heil & J. M. Porter] - KTZ

[Sclerocactus whipplei (Engelm.) Britton & Rose var. roseus (Clover) L. D. Benson] - UTF

[Sclerocactus whipplei (Engelm. & Bigelow) Britton & Rose var. intermedius (Peebles) Benson] - SFW

Sclerocactus parviflorus Clover & Jotter var. parviflorus

[Sclerocactus parviflorus Clover & Jotter] - W&W

[Sclerocactus parviflorus Clover & Jotter subsp. parviflorus] - KTZ

[Sclerocactus whipplei (Engelm.) Britton & Rose var. roseus (Clover) L. D. Benson] - UTF

**Caesalpiaceae** (see **FAB**)

**Calochortaceae** (see **LIL**)

**Callitrichaceae** - **CLL**

Callitriche hermaphroditica L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

Callitriche heterophylla Pursh var. heterophylla - KWA, KTZ, M&H, E/W

[Callitriche anceps Fern.] - KTZ

[Callitriche heterophylla Pursh] - GPF, HDH, IMF, SF!, UTF, W&W, doubtful, W&W<sup>1</sup>

[Callitriche heterophylla Pursh subsp. heterophylla] - KTZ

Callitriche palustris L. - Dorn01, HDH, IMF, KTZ, E/W

[Callitriche verna L.] - GPF, KTZ, SF!, UTF, W&W

**Campanulaceae** - **CAM** (including **Lobeliaceae**)

(Identification sources: \_\_\_\_\_)

Campanula aparinoides Pursh - Dorn01, GPF, HDH rep., KTZ, SFE, W&W, E

∴ Campanula glomerata L. - KTZ<UT>, UTF

[WJ - rapidly spreading through vacant lots in Marble, Gunnison Co.]

Campanula parryi A. Gray var. parryi - IMF, KTZ, E/W

[Campanula parryi A. Gray] - Dorn01, HDH, SF!, UTF, W&W

∴ Campanula rapunculoides L. - Dorn01, GPF, HDH, corr. & add., IMF, KTZ, SFE, W&W, E

Campanula rotundifolia L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

[Campanula gieseckiana Vest] - SFE

[Campanula groenlandica Berlin] - SFE

[Campanula rotundifolia L. subsp. groenlandica (Berlin) A. Löve & D. Löve] - SFW, possibly, alpine race

Campanula uniflora L. - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

Downingia laeta (Greene) Greene - Dorn01, KTZ



Heterocodon rariflorum Nutt. - HDH, IMF, KTZ, SFW, W&W, W  
[Specularia rariflora (Nutt.) McVaugh] - KTZ

### Legousia (see **Triodanis**)

Lobelia cardinalis L. - GPF, KTZ, E

[Lobelia cardinalis L. subsp. graminea (Lam.) McVaugh] - HDH, IMF, SFE, UTF, W&W

{Lobelia kalmii L.} - HDH rep., GPF <CO>, KTZ, W&W, doubtful

Lobelia siphilitica L. var. ludoviciana A. DC. - Dorn01, GPF, HDH, KTZ, SFE, W&W, E

{Lobelia X speciosa Sweet var. occidentalis Bowden} - KTZ

{Lobelia spicata Lam.} - HDH, rep. <NE>, KTZ <KS, NE, OK>

{Porterella carnosula (Hook. & Arn.) Torr.} - HDH, exp., IMF <CO>, KTZ <AZ, UT, WY>, UTF

### Specularia (see **Heterocodon, Triodanis**)

Triodanis holzingeri McVaugh - Dorn01, GPF, HDH, KTZ, SFE, possible hybrid, W&W, E

[Specularia holzingeri (McVaugh) Fern.] - KTZ

Triodanis leptocarpa (Nutt.) Nieuwl. - Dorn01, GPF, HDH, KTZ, SFE, W&W, E

[Specularia leptocarpa (Nutt.) Gray] - KTZ

Δ Triodanis perfoliata (L.) Nieuwl. - Dorn01, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E

[Legousia perfoliata (L.) Britt.] - KTZ

[Specularia perfoliata (L.) A. DC.] - KTZ

### **Cannabaceae - CAN** (including some formerly in **ULM**)

∴ Cannabis sativa L. - Dorn01, FNA, HDH, SF!, W&W, E/W

[Cannabis sativa L. subsp. indica (Lam.) Small & Cronquist] - UTF

[Cannabis sativa L. subsp. sativa] - UTF

[Cannabis sativa L. subsp. sativa var. sativa] - GPF, KTZ

[Cannabis sativa L. subsp. sativa var. spontanea Vavilov] - GPF

Δ Celtis occidentalis L. - Dorn01, GPF, HDH, KTZ, UTF, W&W, cult.

Celtis reticulata Torr. - GPF, SF!, UTF, W&W, E/W

[NS - Alan Whittemore, National Arboretum, indicates {pers. comm., 2007} that this is the correct name for plants in our region, but not the correct one for plants farther south and east]

[Celtis laevigata Willd. var. reticulata (Torr.) L. D. Benson] - KTZ

[Celtis occidentalis L.] - HDH

{Humulus lupulus L. var. lupuloides E. Small} - FNA, GPF, KTZ <KS, NE, UT, WY>, E/W

{Humulus americanus Nutt.} - HDH, UTF

{Humulus lupulus L. subsp. americanus (Nutt.) A. Löve & D. Löve} - SF!, W&W<sup>1</sup>

{Humulus lupulus L. var. americanus (Nutt.) A. Löve & D. Löve} - W&W

Humulus lupulus L. var. neomexicanus A. Nelson & Cockerell - Dorn01, FNA, GPF, KTZ

### **Cleomaceae - CMC**

### Cristatella (see **Polanisia**)

*Cleome lutea* Hook. var. *lutea* - Dorn01, KTZ, W  
[*Cleome lutea* Hook.] - GPF, HDH, SFW, UTF, W&W  
*Cleome multicaulis* Sessé & Moç. ex DC. - Dorn01, W&W, E  
[*Cleome multicaulis* DC.] - KTZ  
[*Cleome multicaulis* Sessé & Moç.] - SFE  
[*Cleome sonorae* A. Gray] - HDH  
*Cleome serrulata* Pursh - Dorn01, GPF, KTZ, SF!, W&W, E/W  
[*Cleome serrulata* Pursh forma *inornata* (Greene) W. A. Weber] - SF!  
[*Cleome serrulata* Pursh var. *angusta* (M. E. Jones) Tidestr.] - HDH, UTF  
[*Cleome serrulata* Pursh var. *serrulata*] - HDH, UTF

*Cleomella angustifolia* Torr. - GPF, HDH, KTZ, SFE, W&W, E  
*Cleomella palmeriana* M. E. Jones - HDH rep., KTZ, SFW, W&W, W  
[*Cleomella montrosae* Payson] - HDH  
[*Cleomella nana* Eastw.] - HDH  
[*Cleomella palmeriana* M. E. Jones var. *palmeriana*] - UTF  
*Cleomella plocasperma* - FCF

{*Polanisia dodecandra* (L.) DC. var. *dodecandra*}  
{*Polanisia dodecandra* (L.) DC. subsp. *dodecandra*} - GPF, KTZ  
{*Polanisia graveolens* Raf.} - HDH, rep.  
*Polanisia dodecandra* (L.) DC. var. *trachysperma* (Torr. & A. Gray) H. H. Iltis - UTF, E/W  
[*Polanisia dodecandra* (L.) DC.] - SF!, W&W  
[*Polanisia dodecandra* (L.) DC. subsp. *trachysperma* (Torr. & A. Gray.) H. H. Iltis] - GPF, KTZ  
[*Polanisia trachysperma* Torr. & A. Gray] - Dorn01, HDH  
*Polanisia jamesii* (Torr. & A. Gray) H. H. Iltis - GPF, KTZ, SFE, W&W, E  
[*Cristatella jamesii* Torr. & A. Gray] - HDH

## **Capparaceae (see CMC)**

## **Caprifoliaceae - (CPR)**

(Identification sources: \_\_\_\_\_)

## **Distegia (see *Lonicera*)**

*Lonicera dioica* L. var. *glaucescens* (Rydb.) Butters - Dorn01, KTZ  
[*Lonicera dioica* var. *dasygyna* (Rehd.) Gleason] - KTZ  
[*Lonicera dioica* var. *glaucescens* (Rydb.) Butters] - KTZ  
[*Lonicera dioica* var. *orientalis* Gleason] - KTZ  
[*Lonicera glaucescens* (Rydb.) Rydb.] - KTZ  
[*Lonicera glaucescens* var. *dasygyna* Rehd.] - KTZ  
*Lonicera involucrata* (Richardson) Banks ex Spreng. var. *involucrata* - IMF, E/W  
[*Distegia involucrata* (Banks) Cockerell] - SF!  
[*Distegia involucrata* (Banks ex Spreng.) Cockerell] - W&W  
[*Lonicera involucrata* (Richardson) Banks] - HDH  
[*Lonicera involucrata* (Richardson) Banks ex Spreng.] - UTF  
[*Lonicera involucrata* Banks ex Spreng.] - Dorn01  
[*Lonicera involucrata* Banks ex Spreng. var. *involucrata*] - KTZ

∴ *Lonicera morrowii* A. Gray - Dorn01, KTZ, SF!, W&W, E/W  
∴ *Lonicera tatarica* L. - Dorn01, GPF, KTZ, SFE, UTF, W&W, E  
{*Lonicera utahensis* S. Watson} - HDH, exp., IMF, KTZ <AZ,NM,UT,WY>, UTF, W&W, misid.

*Lonicera x bella* Zabel - WY checklist

[*Lonicera morrowii* x *L. tatarica*] - KTZ

*Lonicera x minutiflora* Zabel - WY checklist

[*Lonicera morrowii* x *L. xylosteoides*] - KTZ

[*Lonicera x muendeniensis*] - KTZ

**Sambucus (see SAM)**

*Symphoricarpos albus* (L.) S. F. Blake var. *albus* - Dorn01, IMF, KTZ, E

[*Symphoricarpos albus* (L.) S. F. Blake] - GPF, HDH, SFE, UTF, W&W

[*Symphoricarpos rivularis* Suksd.] - HDH

{*Symphoricarpos albus* (L.) S. F. Blake var. *laevigatus* (Fernald) S. F. Blake} - IMF, KTZ

*Symphoricarpos longiflorus* A. Gray - HDH, IMF, KTZ, SFW, UTF, W&W, W

*Symphoricarpos occidentalis* Hook. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

{*Symphoricarpos orbiculatus* Moench} - GPF, KTZ <KS, NE, OK, UT>, UTF, W&W, cult.

[*Symphoricarpos orbiculatus* A. Gray] - HDH, rep.

*Symphoricarpos oreophilus* A. Gray var. *oreophilus* - IMF, KTZ, UTF, E/W

[*Symphoricarpos oreophilus* A. Gray] - HDH

[*Symphoricarpos rotundifolius* A. Gray] - SF!, W&W<sup>1</sup>

*Symphoricarpos oreophilus* A. Gray var. *utahensis* (Rydb.) A. Nelson - Dorn01, KTZ, UTF, E/W

[*Symphoricarpos rotundifolius* A. Gray] - SF!, W&W<sup>1</sup>

[*Symphoricarpos tetonensis* A. Nelson] - HDH

[*Symphoricarpos utahensis* Rydb.] - HDH

[*Symphoricarpos vaccinioides* Rydb.] - HDH

*Symphoricarpos rotundifolius* A. Gray var. *rotundifolius* - KTZ, E/W

[*Symphoricarpos palmeri* G. N. Jones] - GPF, HDH, KTZ

[*Symphoricarpos rotundifolius* A. Gray] - HDH, SF!, W&W

**Viburnum (see VIB)**

**Caryophyllaceae - CRY (including Alsiniaceae)**

(Identification sources: \_\_\_\_\_)

∴ *Agrostemma brachyloba* (Fenzl) Hammer - KTZ, W&W<sup>1</sup>, rep.}

{NS - a garden waif from Boulder; not considered established by FNA 5: 215}

{*Agrostemma gracilis* Boiss.} - W&W

*Agrostemma githago* L. var. *githago* - FNA

[*Agrostemma githago* L.] - Dorn01, GPF, HDH rep., KTZ?, RMC, W&W<sup>1</sup>, rep.

**Alsinanthe (see Minuartia)**

**Alsine (see Stellaria)**

Anotites (see **Silene**)

Arenaria

(Identification sources: \_\_\_\_\_)

Arenaria (see also **Eremogone**, **Minuartia**, **Moehringia**)

Arenaria lanuginosa (Michx.) Rohrbach var. saxosa (A. Gray) Zarucchi, R. L. Hartm. & Rabeler  
- FNA

[Arenaria confusa Rydb.] - FNA, HDH

[Arenaria lanuginosa (Michx.) Rohrb.] - UTF

[Arenaria lanuginosa (Michx.) Rohrb. var. cinerascens (B. L. Rob.) Shinnars] - FNA, E/W

[Arenaria lanuginosa (Michx.) Rohrb. subsp. saxosa (A. Gray) Maguire - FNA, KTZ

[Arenaria saxosa A. Gray] - FNA, HDH

[Spergulastrum lanuginosum Michx. subsp. saxosum (A. Gray) W. A. Weber] - FNA, SF!, W&W

∴ Arenaria serpyllifolia L. var. serpyllifolia - FNA

[Arenaria serpyllifolia L.] - Dorn01, GPF, HDH, KTZ?, SFE, UTF, W&W

[Arenaria serpyllifolia L. subsp. serpyllifolia] - E

Cerastrium

(Identification sources: \_\_\_\_\_)

Cerastium arvense L. subsp. strictum Gaudin - FNA

[NS - see FNA 5: 80 for lengthy synonymy, including many combinations by either Greene or A. Nels.]

[Cerastium arvense L.] - Dorn01, GPF, HDH, UTF, E/W

[Cerastium arvense L. subsp. fuegianum (Hook f.) Ugbor.] - KTZ

[Cerastium arvense L. subsp. strictum (L.) Ugbor.] - KTZ

[Cerastium strictum L.] - SF!, W&W

Cerastium beeringianum Cham. & Schltl. - FNA, HDH, UTF

[NS - see FNA 5:81 for additional synonymy]

[Cerastium beeringianum Cham. & Schltl. var. capillare Fernald & Wiegand] - Dorn01, E/W

[Cerastium beeringianum Cham. & Schltl. subsp. earlei (Rydb.) Hultén] - KTZ, SF!, W&W

Cerastium brachypodum (Engelm. ex A. Gray) B. L. Rob. - Dorn01, FNA, GPF, KTZ, E/W

[Cerastium adsurgens Raf.] - FNA

[Cerastium adsurgens Raf. var. brachypodum Engelm. ex A. Gray] - FNA

[Cerastium brachypodum (Engelm.) B. L. Rob.] - HDH

[Cerastium brachypodum (Engelm.) B. L. Rob. var. compactum B. L. Rob.] - FNA

[Cerastium nutans Raf. var. brachypodum Engelm.] - SF!

[Cerastium nutans Raf. var. brachypodum Engelm. ex A. Gray] - W&W

[Cerastium nutans Raf.] - UTF

Cerastium fastigiatum Legler, pers. comm.

[NS - FNA (Vol. 5: 85) discusses the taxonomy of this and related species. Legler reports several collections from Colfax Co., NM but confirms the taxonomy of the species complex may need more attention]

∴ Cerastium fontanum Baumg. subsp. vulgare (Hartm.) Greuter & Burdet - FNA, KTZ, E/W

[Cerastium caespitosum Gilbert] - FNA

[Cerastium caespitosum Baumg. subsp. triviale (Link) Jalas] - FNA

[Cerastium triviale Link] - FNA

[Cerastium vulgare Hartman] - FNA

[Cerastium vulgatum L.] - GPF

- [*Cerastium vulgatum* L. var. *hirsutum* Fries] - FNA, HDH  
 ∴ *Cerastium glomeratum* Thuill. - GPF, KTZ <KS, NM, OK>  
 [NS - FNA report for NM may not apply yet, but taxon widespread and likely to be collected in our area soon]  
 [*Cerastium viscosum* L.] - HDH, exp.  
*Cerastium nutans* Raf. var. *nutans* - FNA, KTZ  
 [*Cerastium longipedunculatum* Muhl. ex Britt.] - FNA  
 [*Cerastium nutans* Raf.] - GPF, HDH, UTF  
 [*Cerastium nutans* Raf. var. *occidentale* B. Boivin] - FNA

Conosilene (see **Silene**)

Coronaria (see **Silene**)

- ∴ *Dianthus armeria* L. - Dorn01, FNA, GPF, KTZ, SF!, UTF, W&W  
 [*Dianthus armeria* L. subsp. *armeria*] - E/W  
 ∴ *Dianthus barbatus* L. - Dorn01, KTZ, UTF  
 [NS - FNA does not indicate subsp. *barbatus* in our region]  
 [*Dianthus barbatus* L. subsp. *barbatus*] - RMC  
 ∴ *Dianthus deltoides* L. subsp. *deltoides* - FNA, E/W  
 [*Dianthus deltoides* L.] - Dorn01, KTZ, SF!, UTF, W&W

*Drymaria depressa* Greene - FNA

[*Drymaria effusa* A. Gray var. *depressa* (Greene) Duke] - KTZ, SFE, W&W, E

*Drymaria glandulosa* Bartlin in C. Presl var. *glandulosa* - B. Legler, pers. comm. 2009

[NS - Legler reports multiple collections from Colfax Co., NM]

*Drymaria leptophylla* (Cham. & Schldl.) Fenzl ex Rohrb. var. *leptophylla* - FNA, KTZ, W&W, err. rep.

*Drymaria molluginea* (Seringe) Didrichsen - B. Legler, pers. comm. 2009

[NS - Legler reports multiple collections from Colfax Co., NM]

Eremogone

(Identification sources: \_\_\_\_\_)

*Eremogone congesta* (Nutt.) Ikonn. var. *congesta* - Dorn01, FNA

[*Arenaria congesta* Nutt. ex Torr. & A. Gray] - HDH

[*Arenaria congesta* Nutt. var. *congesta*] - KTZ, UTF, E/W

[*Eremogone congesta* (Nutt.) Ikonn.] - SF!

[*Eremogone congesta* (Nutt. ex Torr. & A. Gray) Ikonn.] - W&W

*Eremogone congesta* (Nutt.) Ikonn. var. *lithophila* (Rydb.) Dorn] - Dorn01, FNA

[*Arenaria congesta* Nutt. var. *congesta*] - UTF

[*Arenaria congesta* Nutt. var. *lithophila* (Rydb.) Maguire] - KTZ, E/W

[*Eremogone congesta* (Nutt.) Ikonn.] - SF!

*Eremogone eastwoodiae* (Rydb.) Ikonn. - FNA

[*Arenaria eastwoodiae* Rydb. var. *adenophora* Kearney & Peebles] - KTZ, W

*Eremogone eastwoodiae* (Rydb.) Ikonn. var. *adenophora* (Kearney & Peebles) R. L. Hartman & Rabeler - FNA

[*Arenaria eastwoodiae* Rydb. var. *adenophora* Kearney & Peebles] - FNA

[*Arenaria fendleri* A. Gray var. *eastwoodiae* (Rydb.) Harrington] - HDH

[*Arenaria fendleri* A. Gray var. *eastwoodiae* (Rydb.) S. L. Welsh] - UTF

- [*Eremogone kingii* (S. Watson) Ikonn. subsp. *uintahensis* (A. Nelson) W. A. Weber] - SFW, W&W
- Eremogone fendleri* (A. Gray) Ikonn. - Dorn01, FNA, SF!**
- [*Arenaria fendleri* A. Gray] - GPF
- [*Arenaria fendleri* A. Gray var. *brevifolia* (Maguire) Maguire] - KTZ, E/W
- [*Arenaria fendleri* A. Gray var. *diffusa* Porter & Coulter] - FNA
- [*Arenaria fendleri* A. Gray var. *fendleri*] - UTF, HDH, KTZ, UTF, E/W
- [*Arenaria fendleri* A. Gray var. *porteri* Rydb.] - FNA
- [*Arenaria fendleri* A. Gray var. *tweedyi* (Rydb.) Maguire] - HDH, KTZ
- Eremogone hookeri* (Nutt.) W. A. Weber var. *hookeri* - Dorn01, FNA**
- [*Arenaria hookeri* Nutt. ex Torr. & A. Gray] - HDH
- [*Arenaria hookeri* Nutt. subsp. *desertorum* (Maguire) W. A. Weber] - FNA, KTZ
- [*Arenaria hookeri* Nutt. var. *desertorum* Maguire] - FNA, UTF
- [*Arenaria hookeri* Nutt. subsp. *hookeri*] - KTZ
- [*Arenaria hookeri* Nutt. ex Torr. & A. Gray var. *hookeri*] - GPF
- [*Eremogone hookeri* (Nutt.) W. A. Weber] - SF!
- [*Eremogone hookeri* (Nutt. ex Torr. & A. Gray) W. A. Weber subsp. *desertorum* (Maguire) W. A. Weber] - W&W
- [*Eremogone hookeri* (Nutt. ex Torr. & A. Gray) W. A. Weber subsp. *hookeri*] - W&W
- Eremogone hookeri* (Nutt.) W. A. Weber var. *pinetorum* (A. Nels.) Dorn - Dorn01, FNA**
- [*Arenaria hookeri* Nutt. ex Torr. & A. Gray] - HDH
- [*Arenaria hookeri* Nutt. ex Torr. & A. Gray var. *pinetorum* (A. Nelson) Maguire] - GPF
- [*Arenaria hookeri* Nutt. subsp. *pinetorum* (A. Nelson) W. A. Weber] - KTZ
- [*Arenaria hookeri* Nutt. var. *pinetorum* (A. Nelson) Maguire] - E/W
- [*Eremogone hookeri* (Nutt.) W. A. Weber] - SF!
- [*Eremogone hookeri* (Nutt. ex Torr. & A. Gray) W. A. Weber subsp. *pinetorum* (A. Nelson) W. A. Weber] - W&W
- Eremogone kingii* (S. Watson) Ikonn. var. *glabrescens* (S. Watson) Dorn - Dorn01**
- [*Arenaria fendleri* A. Gray var. *glabrescens* S. Watson] - UTF
- [*Arenaria kingii* (S. Watson) M. E. Jones var. *glabrescens* (S. Watson) Maguire] - RMC, W
- [*Arenaria kingii* (S. Watson) M. E. Jones subsp. *uintahensis* (A. Nelson) Maguire] - KTZ
- [*Arenaria uintahensis* A. Nelson] - HDH
- [*Eremogone kingii* (S. Watson) Ikonn. subsp. *uintahensis* (A. Nelson) W. A. Weber] - SFW, W&W

### Gastrolychnis (see **Silene**)

- ∴ *Gypsophila elegans* M. Bieb. - FNA, GPF, KTZ, SF!, UTF, W&W, E/W
- ∴ *Gypsophila paniculata* L. var. *paniculata* - FNA, E/W
- [*Gypsophila paniculata* L.] - Dorn01, GPF, KTZ, SF!, UTF, W&W
- ∴ *Gypsophila scorzonifolia* Ser. - Dorn01, FNA, KTZ, SFE, UTF, W&W, E
- ∴ *Holostetum umbellatum* L. subsp. *umbellatum* - FNA
- [*Holostetum umbellatum* L.] - Dorn01, GPF, KTZ, SF!, W&W, E/W
- [*Holostetum umbellatum* L. var. *umbellatum*] - UTF

### *Loeflingia squarrosa* Nutt. - FNA

- [*Loeflingia squarrosa* Nutt. var. *artemisiarum* (Barneby & Twiss.) Dorn] - Dorn01, KTZ

### Lidia (see **Minuartia**)

### Lychnis (see **Silene**)

### Melandrium (see **Silene**)

## Minuratia

(Identification sources: \_\_\_\_\_)

{*Minuartia elegans* (Cham. & Schldl.) Schischk.} - KTZ

*Minuartia macrantha* (Rydb.) House - FNA, KTZ, E/W, Hartman08

[*Alsinanthe macrantha* (Rydb.) W. A. Weber] - SF!, W&W

[*Alsinopsis macrantha* Rydb.] - FNA

[*Arenaria filiorum* Maguire] - HDH, W&W, misapp.

[*Arenaria macrantha* (Rydb.) A. Nelson ex J. M. Coult. & A. Nelson] - HDH

[*Arenaria rubella* (Wahl.) Smith var. *filifolium* (Maguire) S. L. Welsh] - FNA

[*Minuartia filiorum* (Maguire) McNeill] - FNA

*Minuratia nutallii* (Pax) Briq. var. *nuttallii* - FNA

[*Arenaria nutallii* Pax] - Dorn01, HDH rep., UTF

[*Arenaria pungens* Nuttall] - FNA

[*Minuartia nutallii* (Pax) Briq. subsp. *nuttallii*] - KTZ, W

[*Minuopsis nutallii* (Pax) W. A. Weber] - SFW, W&W

*Minuartia obtusiloba* (Rydb.) House - Dorn01, FNA, KTZ, E/W

[*Alsinopsis obtusiloba* Rydb.] - FNA

[*Arenaria obtusa* Torr., non Allioni 1785] - FNA

[*Arenaria obtusiloba* (Rydb.) Fernald] - HDH, UTF

[*Arenaria sajanensis* Willd.] - HDH

[*Lidia biflora* (L.) A. Löve & D. Löve] - W&W, err. rep.

[*Lidia obtusiloba* (Rydb.) A. Löve & D. Löve] - SF!, W&W

*Minuartia rubella* (Wahlenb.) Hiern - Dorn01, FNA, KTZ, E/W

[*Alsine rubella* Wahlenb.] - FNA

[*Arenaria rubella* (Wahlenb.) J. E. Sm.] - GPF, HDH

[*Arenaria rubella* (Wahlenb.) J. E. Sm. var. *rubella*] - UTF

[*Tryphane rubella* (Wahlenb.) Rchb.] - SF!, W&W

*Minuartia stricta* (Sw.) Hiern - FNA, KTZ, Wolf79, E

[*Alsinanthe stricta* (Sw.) Rchb.] - SFE, W&W

[*Arenaria rossii* Richardson] - HDH, W&W, misapp.

[*Minuartia rossii* (R. Br. ex Richardson) Graebn.] - KTZ

[*Spergula stricta* Sw.] - FNA

*Minuopsis* (see **Minuartia**)

*Moehringia lateriflora* (L.) Fenzl - Dorn01, FNA, KTZ, SF!, W&W, E/W

[*Arenaria lateriflora* L.] - GPF, HDH, UTF

*Moehringia macrophylla* (Hook.) Fenzl - FNA, KTZ, W

[*Moehringia macrophylla* (Hook.) Torr.] - SFW, W&W

[*Arenaria macrophylla* Hook.] - HDH, UTF

## Paronychia

(Identification sources: \_\_\_\_\_)

*Paronychia depressa* (Torr. & A. Gray) Nutt. ex A. Nelson - FNA, KTZ

[*Paronychia depressa* Nutt. ex Torr. & A. Gray] - Dorn01, GPF, HDH

[*Paronychia depressa* Nutt. ex Torr. & A. Gray var. *brevicuspis* (A. Nels.) Chaudhri] - FNA

[*Paronychia depressa* Nutt. ex Torr. & A. Gray var. *diffusa* (A. Nels.) Chaudhri] - FNA

[*Paronychia jamesii* Torr. & A. Gray] - W&W  
*Paronychia jamesii* Torr. & A. Gray - Dorn01, FNA, GPF, HDH, KTZ, SF!, W&W, E/W  
[*Paronychia jamesii* Torr. & A. Gray var. *hirsuta* Chaudhri] - FNA  
[*Paronychia jamesii* Torr. & A. Gray var. *parviflora* Chaudhri] - FNA  
[*Paronychia jamesii* Torr. & A. Gray var. *praelongifolia* Chaudhri] - FNA  
*Paronychia pulvinata* A. Gray - Dorn01, FNA, HDH, KTZ, SF!, W&W, E/W  
[*Paronychia pulvinata* A. Gray var. *longiaristata* Chaudhri] - UTF  
*Paronychia sessiliflora* Nutt. - Dorn01, FNA, GPF, HDH, KTZ, SF!, UTF, W&W, E/W

*Pseudostellaria jamesiana* (Torr.) W. A. Weber & R. L. Hartm. - Dorn01, FNA, KTZ, SF!,  
W&W, E/W  
[*Stellaria jamesiana* Torr.] - HDH, UTF

∴ {*Sagina apetala* Ard.} - KTZ, W&W<sup>1</sup>  
∴ *Sagina procumbens* L. - FNA, KTZ, UTF; Crow78  
*Sagina saginoides* (L.) H. Karst. - Dorn01, FNA, KTZ, SF!, W&W, E/W  
[*Sagina saginoides* (L.) Britt.] - HDH, UTF

#### Saponaria (see also **Vaccaria**)

∴ *Saponaria officinalis* L. - Dorn01, FNA, GPF, HDH, KTZ, SF!, UTF, W&W, E/W

#### Silene

(Identification sources: \_\_\_\_\_)

*Silene acaulis* (L.) Jacq. - FNA  
[*Silene acaulis* (L.) Jacq. var. *subacaulescens* (F. N. Wms.) Fernald & H. St. John] - KTZ, UTF, E/W  
[*Silene acaulis* L. subsp. *subacaulescens* (F. N. Wms.) C. L. Hitchc. & Maguire] - HDH, SF!  
[*Silene acaulis* (L.) Jacq. subsp. *subacaulescens* (F. N. Wms.) Fernald & H. St. John] - W&W  
[*Silene acaulis* (L.) L. subsp. *subacaulescens* (F. N. Wms.) C. L. Hitchc. & Maguire] - W&W<sup>1</sup>  
*Silene antirrhina* L. - Dorn01, FNA, GPF, HDH, KTZ, SF!, UTF, W&W, E/W  
{∴ *Silene conoidea* L.} - KTZ  
∴ *Silene csereii* Baumg. - Dorn01, FNA, GPF, KTZ, SF!, W&W, E/W  
∴ *Silene dichotoma* Ehrh. subsp. *dichotoma* - FNA  
[*Silene dichotoma* Ehrh.] - Dorn01, GPF, KTZ, SF!, W&W, E/W  
*Silene drummondii* Hook. subsp. *drummondii* - FNA  
[*Gastrolychnis drummondii* (Hook.) A. Löve & D. Löve] - SF!, W&W  
[*Lychnis drummondii* (Hook.) S. Watson] - HDH, UTF  
[*Silene drummondii* Hook.] - GPF  
[*Silene drummondii* Hook. var. *kruckebergii* Bocquet] - KTZ  
[*Silene drummondii* Hook. var. *drummondii* - KTZ, E/W  
*Silene drummondii* Hook. subsp. *striata* (Rydb.) J. K. Morton - FNA  
[*Gastrolychnis drummondii* (Hook.) A. Löve & D. Löve] - SF!, W&W  
[*Lychnis drummondii* (Hook.) S. Watson] - HDH, SF!, UTF  
[*Silene drummondii* Hook. var. *striata* (Rydb.) Bocq. - KTZ, E/W  
{∴ *Silene gallica* L. - KTZ, SFE, W&W, E}  
*Silene hitchguirei* Bocq. - Dorn01, FNA, E/W  
[*Gastrolychnis apetala* (L.) Tolm. & Kozhanch. subsp. *uralensis* A. Löve & D. Löve] - SF!  
[*Gastrolychnis apetala* (L.) Tolm. & Kozhanch. subsp. *uralensis* (Rupr.) A. Löve & D. Löve] - W&W  
[*Lychnis apetala* L. subsp. *montana* (S. Watson) Maguire] - HDH



- [*Lychnis apetala* L. var. *montana* (S. Watson) C. L. Hitchc.] - UTF  
 [*Silene uralensis* (Rupr.) Bocquet subsp. *montana* (S. Watson) McNeill] - KTZ  
 [*Silene uralensis* (Rupr.) Bocquet subsp. *uralensis*] - KTZ
- Silene kingii* (S. Watson) Bocq.** - Dorn01, FNA, KTZ, E/W  
 [*Gastrolychnis kingii* (S. Watson) W. A. Weber] - SF!, W&W  
 [*Lychnis apetala* L. var. *kingii* (S. Watson) S. L. Welsh] - UTF  
 [*Lychnis kingii* S. Watson] - HDH
- ∴ ***Silene latifolia* Poir.** - Dorn01, FNA  
 [*Lychnis alba* Mill.] - HDH, UTF  
 [*Melandrium dioicum* (L.) Cosson & Germain] - SF!, W&W  
 [*Silene latifolia* Poir. subsp. *alba* (Mill.) Greuter & Burdet] - KTZ, E/W  
 [*Silene pratensis* (Rafn) Godr. & Gern.] - GPF
- Silene menziesii* Hook.** - FNA, HDH, UTF  
 [*Anotites alsinoides* Greene] - FNA  
 [*Anotites bakeri* Greene] - FNA  
 [*Anotites costata* Greene] - FNA  
 [*Anotites debilis* Greene] - FNA  
 [*Anotites diffusa* Greene] - FNA  
 [*Anotites dorrii* (Kellogg) Greene] - FNA  
 [*Anotites elliptica* Greene] - FNA  
 [*Anotites halophila* Greene] - FNA  
 [*Anotites latifolia* Greene] - FNA  
 [*Anotites macilenta* Greene] - FNA  
 [*Anotites menziesii* (Hook.) Greene] - SF!, W&W  
 [*Anotites nodosa* Greene] - FNA  
 [*Anotites picta* Greene] - FNA  
 [*Anotites tenerrima* Greene] - FNA  
 [*Anotites tereticaulis* Greene] - FNA  
 [*Anotites villosula* Greene] - FNA  
 [*Anotites viscosa* Greene] - FNA  
 [*Silene dorii* Kellogg] - FNA  
 [*Silene menziesii* Hook. subsp. *dorii* (Kellogg) C. L. Hitchc. & Maguire] - FNA  
 [*Silene menziesii* Hook. subsp. *menziesii* var. *menziesii*] - KTZ  
 [*Silene menziesii* Hook. var. *menziesii*] - Dorn01, GPF, E/W  
 [*Silene menziesii* Hook. subsp. *menziesii* var. *viscosa* (Greene) C. L. Hitchc. & Maguire] - KTZ  
 [*Silene menziesii* Hook. var. *viscosa* (Greene) C. L. Hitchc. & Maguire] - Dorn01, GPF, E/W  
 [*Silene obovata* A. E. Porsild] - FNA  
 [*Silene stellarioides* Nutt. ex Torr. & A. Gray] - FNA
- ∴ ***Silene noctiflora* L.** - Dorn01, FNA, GPF, HDH, KTZ, SFE, UTF, W&W, E
- Silene parryi* (S. Wats.) C. L. Hitchc. & Maguire** - Dorn01, FNA  
 [*Lychnis parryi* S. Wats.] - FNA  
 [*Silene douglasii* (S. Wats.) C. L. Hitchc. & Maguire var. *macounii* (S. Wats.) Hooker] - FNA  
 [*Silene douglasii* Hooker var. *macounii* (S. Wats.) B. L. Robins.] - KTZ  
 [*Silene macounii* S. Wats.] - KTZ  
 [*Silene scouleri* (S. Wats.) var. *macounii* Boivin] - KTZ  
 [*Silene tetonensis* A. Nels.] - KTZ  
 [*Silene tetragyna* Suksdorf] - FNA  
 [*Wahlbergella parryi* (Wats.) Rydb.] - KTZ
- Silene plankii* C.L. Hitchcock & Macguire** - KWA, M&H, KTZ, (not rep. by JM)
- Silene scaposa* B. L. Rob.** - FNA  
 [*Silene scaposa* var. *lobata* C. L. Hitchc. & Maguire] - FNA
- Silene scouleri* Hook. subsp. *hallii* (S. Watson) C. L. Hitchc.** - HDH, KTZ, UTF, E/W  
 [*Lychnis elata* S. Wats.] - FNA  
 [*Silene hallii* S. Wats.] - FNA  
 [*Silene concolor* Greene] - FNA

- [*Silene scouleri* Hook. var. *concolor* (Greene) C. L. Hitchc. & Maguire] - FNA  
 [*Silene scouleri* Hook. subsp. *hallii* (S. Watson) C. L. Hitchc. & Maguire] - SF!, W&W
- Silene uralensis* (Ruprecht) Bocquet subsp. *uralensis* - FNA**  
 [*Gastrolychnis uralensis* (Rupr.) Bocquet] - FNA
- ∴ ***Silene vulgaris* (Moench) Garcke - Dorn01, GPF, KTZ, SF!, W&W, E/W**  
 [*Behen vulgaris* Moench] - FNA  
 [*Silene cucubalus* Wibel] - HDH  
 [*Silene inflata* Smith] - FNA  
 [*Silene latifolia* (Miller) Britten & Rendle var. *pubescens* (DC.) Farwell] - FNA
- ∴ ***Spergula arvensis* L. - Dorn01, FNA, GPF, HDH, KTZ, SFE, W&W, E**
- Δ{***Spergularia echinosperma* (Celak.) Aschers. & Graebn.**} - Dorn01  
 {*Spergularia salsuginea* var. *bracteata* B. L. Robins.} - KTZ
- Δ ***Spergularia salina* J. Presl & C. Presl - FNA, KTZ**  
 [*Spergularia marina* (L.) Griseb.] - Dorn01, GPF, HDH, SFE, UTF, W&W, E  
 [*Spergularia tenuis* Greene] - FNA  
 [*Tissa marina* (L.) Britton] - FNA
- ∴ ***Spergularia media* (L.) C. Presl ex Griseb. - Dorn01, E, FNA**  
 [*Spergularia maritima* (All.) Chiov.] - KTZ  
 [*Spergularia media* (L.) C. Presl] - HDH, SFE, UTF, W&W
- ∴ ***Spergularia rubra* (L.) J. Presl & C. Presl - Dorn01, FNA, GPF, KTZ, UTF, W&W, E/W**  
 [*Spergularia rubra* (L.) Presl] - HDH, SF!

### **Spergulastrum (see *Arenaria*)**

### **Stellaria**

(Identification sources: \_\_\_\_\_)

### **Stellaria (see also *Pseudostellaria*)**

- Stellaria borealis* Bigelow subsp. *borealis* - FNA, HDH, KTZ, W&W, Morton89**  
 [NS - see FNA 5:101 for additional synonymy]  
 [*Stellaria borealis* Bigelow] - Dorn01, HDH
- Stellaria calycantha* (Ledeb.) Bong. - Dorn01, FNA, GPF, KTZ, SF!, W&W, Morton89, E/W**  
 [*Arenaria calycantha* Ledeb.] - FNA  
 [*Alsine calycantha* (Ledeb.) Rydb.] - FNA  
 [*Alsine simcoei* Howell] - FNA  
 [*Stellaria borealis* Bigelow var. *simcoei* (Howell) Fernald] - FNA  
 [*Stellaria simcoei* (Howell) C. L. Hitchc.] - FNA
- Stellaria crassifolia* Ehrh. - Dorn01, FNA, GPF, HDH, SF!, W&W, E/W**  
 [*Stellaria crassifolia* Ehrh. var. *crassifolia*] - KTZ  
 [*Stellaria crassifolia* Ehrh. var. *ericalycina* Schischkin] - FNA  
 [*Stellaria crassifolia* Ehrh. var. *linearis* Fenzl] - FNA  
 [*Stellaria gracilis* Richardson] - FNA
- ∴ ***Stellaria graminea* L. - FNA, GPF, HDH, KTZ, SFE, W&W, E**  
 [*Alsine graminea* (L.) Britton] - FNA
- Stellaria irrigua* Bunge - FNA, KTZ, SF!, W&W, E/W**  
 [*Alsine polygonoides* Greene ex Rydb., 1913, non *Moehringia polygonoides* Mert. & W. D. J. Koch, 1813] - FNA  
 [NS - see comments in FNA Vol. 5, p. 107 regarding uncertainty of distinctness of Colorado material]

*Stellaria longifolia* Muhl. ex Willd. - Dorn01, GPF, HDH, W&W, Morton89, E/W

[*Alsine longifolia* (Muhl. ex Willd.) Britton] - FNA

[*Stellaria atrata* (J. W. Moore) B. Boivin] - FNA

[*Stellaria atrata* (J. W. Moore) B. Boivin var. *eciliata* B. Boivin] - FNA

[*Stellaria diffusa* Willd. ex Schlect.] - FNA

[*Stellaria longifolia* Torr.] - UTF

[*Stellaria longifolia* Muhl.] - SF!

[*Stellaria longifolia* Muhl. ex Willd. var. *eciliata* (B. Boivin) B. Boivin] - FNA

[*Stellaria longifolia* Muhl. ex Willd. var. *longifolia*] - KTZ

*Stellaria longipes* Goldie subsp. *longipes* - FNA

[NS - For many additional synonyms see KTZ or FNA 5: 108]

[*Stellaria longipes* Goldie var. *longipes* - GPF, HDH, UTF, E/W

[*Stellaria longipes* Goldie] - Dorn01, KTZ, SF!, W&W

[*Stellaria monantha* Hultén] - Dorn01, Chinappa84 & 91, E/W

∴ *Stellaria media* (L.) Vill. - Dorn01, FNA, GPF, UTF, E/W

[*Alsine media* L.] - SF!, W&W

[*Stellaria apetala* Ucria ex Roem.] - FNA

[*Stellaria media* (L.) Cyrill.] - GPF, HDH

[*Stellaria media* (L.) Vill. subsp. *media*] - KTZ

[*Stellaria media* (L.) Vill. var. *procera* Klatt & Richter] - FNA

*Stellaria obtusa* Engelm. - Dorn01, FNA, HDH, KTZ, SF!, UTF, W&W, Morton89, E/W

[*Alsine obtusa* (Englem.) Rose] - FNA

[*Alsine washingtoniana* (B. L. Rob.) A. Heller] - FNA

[*Stellaria viridula* (Piper) St. John] - FNA

[*Stellaria washingtoniana* B. L. Rob.] - FNA

*Stellaria pallida* (Dumortier) Crépin - FNA

[*Alsine pallida* Dumortier] - FNA

[*Stellaria boreana* Jordan] - FNA

[*Stellaria media* (L.) Vill. subsp. *pallida* (Dumortier) Ascherson & Graebner] - FNA

*Stellaria umbellata* Turcz. - FNA, HDH, SF!

[*Stellaria umbellata* Turcz. ex Karel. & Kir.] - Dorn01, KTZ, UTF, W&W, E/W

Tryphane (see **Minuartia**)

∴ *Vaccaria hispanica* (Mill.) Rauschert - Dorn01, FNA, KTZ, E/W

[*Saponaria vaccaria* L.] - HDH

[*Vaccaria pyramidata* Medicus] - GPF, SF!, UTF, W&W

**Celastraceae - CEL** (see also **CRO**)

*Celastrus scandens* L. - Dorn01, KTZ

*Paxistima myrsinites* (Pursh) Raf. - Dorn01, IMF, KTZ, SF!, W&W, E/W

[*Pachystima myrsinites* (Pursh) Raf.] - HDH, UTF

**Celtidaceae** (see **CAN** and **ULM**)

**Ceratophyllaceae - CTP**

*Ceratophyllum demersum* L. - Dorn01, FNA, GPF, HDH, KTZ, SF!, UTF, W&W, E/W

## **Chenopodiaceae (see AMA)**

## **Cistaceae - CIS**

### **Crocanthemum (see Helianthemum)**

*Helianthemum bicknellii* Fernald - GPF, HDH, KTZ, E  
[*Crocanthemum bickenellii* (Fernald) Janch.] - SFE, W&W

{*Lechea intermedia* Legg.} - GPF, HDH <NE>  
{*Lechea intermedia* Legg. ex Britton} - Dorn01  
{*Lechea intermedia* Legg. ex Britton var. *intermedia*} - KTZ <WY>

## **Clusiaceae - CLU**

*Hypericum formosum* Kunth var. *scouleri* (Hook.) J. M. Coult. - Dorn01  
[*Hypericum formosum* Kunth] - HDH, SF!, UTF, W&W  
[*Hypericum scouleri* Hook. subsp. *nortoniae* (M. E. Jones) J. M. Gillett] - KTZ  
[*Hypericum formosum* Kunth var. *nortoniae* (M. E. Jones) C. L. Hitchc.] - E/W  
*Hypericum formosum* Kunth var. *formosum* - Dorn01  
*Hypericum majus* (A. Gray) Britton - GPF, HDH, KTZ, SFE, W&W, E  
∴ *Hypericum perforatum* L. - Dorn01, GPF, HDH, KTZ, SF!, W&W, E/W

## **Colchicaceae - CHC**

*Disporum trachycarpum* (S. Watson) Benth. & Hook. - GPF, HDH, IMF, UTF, W&W, E/W  
[*Prosartes trachycarpa* S. Watson] - Dorn01, FNA, KTZ, SF!, W&W<sup>1</sup>

*Streptopus amplexifolius* (L.) DC. - Dorn01, FNA, GPF, W&W<sup>1</sup>, misapp., E/W  
[NS - Vinnersten07 refers *Streptopus* back to a narrowly defined Liliaceae]  
[*Streptopus amplexifolius* (L.) DC. & Lam.] - HDH  
[*Streptopus amplexifolius* (L.) DC. var. *chalazatus* Fassett] - IMF, KTZ, UTF  
[*Streptopus fassettii* A. Löve & D. Löve] - SF!, W&W

## **Commelinaceae - CMM**

*Commelina dianthifolia* Delile - FNA, HDH, SF!, W&W, E/W  
[*Commelina dianthifolia* Delile var. *longispatha* (Torr.) Brashier] - KTZ  
*Commelina erecta* L. - FNA, E  
[*Commelina erecta* L. var. *angustifolia* (Michx.) Fernald] - GPF, KTZ, SFE, W&W  
[*Commelina crispa* Wooton] - HDH

*Tradescantia bracteata* Small - FNA, HDH, exp.  
[NS - reportedly collected in Otero County in 2008 from reliable source]  
[*Tradescantia bracteata* Small ex Britton] - KTZ <KS, NE, OK, WY>  
{*Tradescantia canaliculata* Raf.} - HDH, exp.  
{*Tradescantia ohimensis* Raf.} - FNA, KTZ <KS, NE, OK>  
*Tradescantia occidentalis* (Britton) Smyth var. *occidentalis* - FNA, HDH, IMF, KTZ, E/W  
[*Tradescantia occidentalis* (Britton) Smyth] - Dorn01, GPF, SF!, UTF

[*Tradescantia occidentalis* (Britton) Smyth var. *scopulorum* (Rose) E. S. Anderson & Woodson] - HDH rep., IMF, KTZ, W&W

**Compositae** (see **AST**)

**Convallariaceae - CVL** (see **LIL**)

**Convolvulaceae - CNV** (including **Cuscutaceae**)

(Identification sources: \_\_\_\_\_)

*Calystegia macounii* (Greene) Brummitt - Dorn01, GPF, KTZ, SFE, W&W, E

*Calystegia sepium* (L.) R. Br. var. *angulata* (Brummitt) N. H. Holmgren - Dorn01, IMF, E/W

[*Calystegia sepium* (L.) R. Br. subsp. *americana* (Sims) Brummitt] - KTZ, SFW

[*Calystegia sepium* (L.) R. Br. subsp. *angulata* Brummitt] - GPF, KTZ, SFE, W&W

[*Convolvulus sepium* L.] - HDH, UTF

[*Convolvulus sepium* L. var. *americanus* Sims] - HDH, rep.

{*Calystegia silvatica* (Kit.) Griseb. subsp. *fraterniflora* (Mack. & Bush) Brummitt} - KTZ

{*Calystegia sylvatica* (Kit.) Griseb. subsp. *fraterniflora* (Mack. & Bush) Brummitt} - GPF

**Convolvulus** (see also **Calystegia**)

∴ *Convolvulus arvensis* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Convolvulus equitans* Benth. - GPF, KTZ, SFE, UTF, W&W, E

[*Convolvulus incanus* Vahl] - HDH

{*Convolvulus hermannioides* A. Gray} - HDH, rep.

{*Convolvulus equitans* Benth.} - KTZ, W&W

**Cuscuta**

(Identification sources: \_\_\_\_\_)

∴ *Cuscuta approximata* Bab. var. *urceolata* (Kuntze) Yunck. - HDH, E/W

[*Cuscuta anthemi* A. Nelson] - HDH

[*Cuscuta approximata* Bab.] - Dorn01, KTZ, UTF

[*Cuscuta approximata* Bab. var. *approximata*] - IMF

[*Cuscuta epithymum* (L.) L. subsp. *approximata* (Bab.) Rouy] - SF!, W&W

*Cuscuta californica* Hook. & Arn. var. *breviflora* Engelm. - KTZ, W

[*Cuscuta occidentalis* Millsprauh] - Dorn01, HDH, IMF, UTF

[*Grammica occidentalis* (Millsprauh) Hadaç & Chrtek] - W&W

[*Grammica occidentalis* (Millsprauh) W. A. Weber] - SFW

{*Cuscuta cephalanthi* Engelm.} - GPF, HDH, exp., IMF, KTZ <AZ,KS,NE,NM,OK,UT>, UTF

{*Grammica cephalanthi* (Engelm.) W. A. Weber} - W&W

{*Cuscuta coryli* Engelm.} - GPF, HDH, exp., KTZ <AZ, KS, NE, NM, OK>

{*Grammica coryli* (Engelm.) W. A. Weber} - W&W

*Cuscuta cuspidata* Engelm. - GPF, HDH, IMF, KTZ, UTF, E/W

[*Grammica cuspidata* (Engelm.) Hadaç & Chrtek] - SF!, W&W

*Cuscuta denticulata* Engelm. var. *denticulata* - KTZ, W

[*Cuscuta denticulata* Engelm.] - HDH, IMF, UTF

[*Grammica denticulata* (Engelm.) W. A. Weber] - SFW, W&W

{*Cuscuta gronovii* Willd. ex Schult. var. *gronovii*} - KTZ

- {*Cuscuta gronovii* Willd.} - GPF, HDH, rep.  
 {*Grammica gronovii* (Willd. ex Roem. & Schult.) Hadaç & Chrtek} - W&W, misapp.  
 {*Grammica umbrosa* (Hook.) W. A. Weber} - W&W
- Cuscuta indecora* Choisy var. *indecora* - KTZ, E/W  
 [*Cuscuta indecora* Choisy] - GPF, IMF, UTF  
 [*Grammica indecora* (Choisy) W. A. Weber] - SF!, W&W
- Cuscuta indecora* Choisy var. *neuropetala* (Engelm.) Hitchc. - HDH, KTZ, E  
 [*Cuscuta indecora* Choisy] - Dorn01, IMF, UTF  
 [*Grammica indecora* (Choisy) W. A. Weber var. *neuropetala* (Engelm.) W. A. Weber] - SFE, W&W
- ◆ *Cuscuta fasciculata* Yunker - KWA, KTZ
- Cuscuta megalocarpa* Rydb. - Dorn01, HDH, IMF, KTZ, UTF, W  
 [*Cuscuta curta* (Engelm.) Rydb.] - GPF  
 [*Grammica umbrosa* (Hook.) W. A. Weber] - SFW, W&W
- Cuscuta pentagona* Engelm. var. *pentagona* - FCF, IMF, KTZ, W  
 [*Cuscuta campestris* Yuncker] - HDH  
 [*Cuscuta pentagona* Engelm.] - GPF, HDH rep., UTF  
 [*Cuscuta pentagona* Engelm. var. *calycina* Engelm.] - IMF  
 [*Grammica campestris* (Yuncker) Hadaç & Chrtek] - SFW, W&W  
 [*Grammica pentagona* (Engelm.) W. A. Weber] - W&W, err. rep.
- Cuscuta plattensis* A. Nelson - Dorn01
- Cuscuta umbellata* Kunth - GPF, HDH, KTZ, E/W  
 [*Grammica umbellata* Kunth] - SFE  
 [*Grammica umbellata* (Kunth) Hadaç & Chrtek] - W&W  
 [*Grammica umbellata* (Kunth) W. A. Weber] - SFW
- Evolvulus nuttallianus* Schult. - Dorn01, KTZ, UTF, W&W, E/W  
 [*Evolvulus nuttallianus* Roem. & Schult.] - GPF, HDH, IMF, SF!
- Evolvulus sericeus* Sw. var. *sericeus* - KWA, KTZ  
 [*Evolvulus sericeus* var. *discolor* (Benth.) Gray] - KTZ  
 [*Evolvulus wilcoxianus* House] - KWA

**Grammica (see *Cuscuta*)**

- Ipomoea capillacea* (Kunth) G. Don - KWA, KTZ  
 [*Convolvulus capillaceus* Kunth] - KTZ  
 [*Ipomoea muricata* Cav., non (L.) Jacq. ] - KTZ, KWA  
 [*Ipomoea patens* (Gray) House] - KWA
- Ipomoea cristulata* H. Hallier f. - KWA, KTZ  
 [*Ipomoea hederacea* (L.) Jacq.] - HDH, exp.  
 [*Ipomoea hederacea* Jacq.] - GPF, KTZ <AZ, KS, NE, NM, OK>
- Ipomoea leptophylla* Torr. - Dorn01, GPF, HDH, KTZ, SFE, W&W, E  
 {*Ipomoea longifolia* Benth.} - M&H, err. rep., HDH, exp., KTZ <AZ>
- ∴ *Ipomoea purpurea* (L.) Lam. - KWA, JM, KTZ, HDH, rep.  
 [*Ipomoea purpurea* L.] - W&W<sup>1</sup>, rep.  
 [*Ipomoea purpurea* (L.) Roth] - GPF, KTZ <AZ, KS, NE, NM, OK, UT>

**Coptaceae (see *RAN*)**

**Cornaceae - COR**

**Chamaepericlymenum (see *Cornus*)**

*Cornus canadensis* L. var. *canadensis* - E/W  
[*Chamaepericlymenum canadense* (L.) Asch. & Graebner] - SF!, W&W  
[*Cornus canadensis* L.] - Dorn01, GPF, HDH, KTZ  
*Cornus sericea* L. var. *sericea* - Dorn01, IMF, UTF, E/W  
[*Cornus stolonifera* Michx.] - GPF, HDH  
[*Cornus sericea* L. subsp. *sericea*] - KTZ  
[*Swida sericea* (L.) Holub.] - SF!, W&W

*Swida* (see **Cornus**)

**Corylaceae** (see **BET**)

**Crassulaceae - CRS**

*Amerosedum* (see **Sedum**)

*Clemensia* (see **Sedum**)

*Cockerellia* (see **Sedum**)

*Crassula drummondii* (Torr. & A. Gray) Fedde - KTZ, E  
[*Crassula aquatica* (L.) Schönland] - IMF, SFE, W&W  
[*Tillaea aquatica* L.] - HDH, UTF

*Rhodiola* (see **Sedum**)

∴ *Sedum acre* L. - Dorn01, HDH, IMF, KTZ, SFW, W&W, W  
*Sedum cockerellii* Britton – Legler (pers. comm. 2009), HDH rep., KTZ <AZ, NM>  
[NS - Legler reports one collection from Colfax Co., NM]  
[*Cockerellia cockerellii* (Britton) A. Löve & D. Löve] - W&W, id. not possible  
*Sedum integrifolium* (Raf.) A. Nelson - Dorn01, HDH, E/W  
[*Rhodiola integrifolia* Raf.] - SF!, W&W  
[*Rhodiola integrifolia* Raf. subsp. *integrifolia*] - KTZ  
[*Rhodiola integrifolia* Raf. subsp. *procera* (Clausen) Kartesz] - KTZ  
[*Sedum integrifolium* (Raf.) A. Nelson subsp. *integrifolium*] - RMC  
[*Sedum rosea* (L.) Scop. var. *integrifolium* (Raf.) A. Berger] - IMF, UTF  
[*Tolmachevia integrifolia* (Raf) A. Löve & D. Löve] - W&W<sup>1</sup>  
*Sedum lanceolatum* Torr. - Dorn01, GPF, IMF, UTF, E/W  
[*Amerosedum lanceolatum* (Torr.) A. Löve & D. Löve] - SF!, W&W  
[*Sedum lanceolatum* Torr. subsp. *lanceolatum*] - KTZ  
[*Sedum lanceolatum* Torr. var. *lanceolatum*] - RMC  
[*Sedum lanceolatum* Torr. subsp. *subalpinum* (Blank.) Clausen] - KTZ  
[*Sedum stenopetalum* Pursh] - HDH  
*Sedum rhodanthum* A. Gray - Dorn01, HDH, IMF, KTZ, UTF, E/W  
[*Clemensia rhodantha* (A. Gray) Rose] - SF!, W&W  
[*Rhodiola rhodantha* (A. Gray) Jacobsen] - KTZ  
∴ *Sedum spurium* M. Bieb. - IMF, KTZ, UTF, W  
[WJ - A population also established on East Slope in CO in Boulder canyon]  
[*Spathulata spuria* (M. Bieb.) A. Löve & D. Löve] - SFW, W&W  
{*Sedum stenopetalum* Pursh} - IMF, KTZ <WY>

{*Amerosedum stenopetalum* (Pursh) A. Löve & D. Löve} - W&W, err. rep.  
{*Sedum stenopetalum* Pursh var. *stenopetalum*} - RMC

Spathulata (see **Sedum**)

Tillaea (see **Crassula**)

### **Crossosomataceae - CRO** (see also **CEL**)

*Forsellesia meionandra* (Koehne) A. Heller - HDH, FCF, SFW, UTF, W&W, W

[*Glossopetalon spinescens* A. Gray var. *meionandrum* (Koehne) Trel.] - IMF, KTZ

*Forsellesia planitierum* Ensign - HDH, exp., SFE, W&W, E

[*Glossopetalon planitierum* (Ensign) H. St. John] - GPF, KTZ

{*Forsellesia spinescens* (A. Gray) Greene} - HDH rep., W&W, err. rep.

{*Glossopetalon spinescens* A. Gray var. *spinescens*} - KTZ <AZ, NM, OK>

*Glossopetalon* (see also **Forsellesia**)

*Glossopetalon spinescens* Gray var. *meionandrum* (Koehne) Trel. - Dorn01

**Cruciferae** (see **BRA**)

### **Cucurbitaceae - CUC**

*Cucurbita foetidissima* Kunth - Dorn01, GPF, HDH, KTZ, SF!, UTF, W&W, E/W

*Cyclanthera dissecta* (Torr. & A. Gray) Arn. - GPF, HDH, KTZ, SFE, W&W, E

*Echinocystis lobata* (Michx.) Torr. & A. Gray - Dorn01, GPF, HDH, KTZ, SF!, W&W, E/W

**Cuscutaceae** (see **CNV**)

### **Cyperaceae - CYP**

(Identification sources: \_\_\_\_\_)

*Amphiscirpus nevadensis* (S. Watson) Oteng-Yeb. - Dorn01, SF!, W&W, E/W, FNA

[*Scirpus nevadensis* S. Watson] - GPF, HDH, IMF, KTZ, UTF

*Bolboschoenus fluviatilis* (Torr.) Soják - FNA

[*Bolboschoenus maritimus* (L.) Palla subsp. *fluviatilis* (Torr.) A. Löve & D. Löve] - W&W<sup>1</sup>

[*Schoenoplectus fluviatilis* (Torr.) M. T. Strong] - KTZ

[*Scirpus fluviatilis* (Torr.) A. Gray] - GPF, IMF, UTF

*Bolboschoenus maritimus* (L.) Palla subsp. *paludosus* (A. Nelson) A. Löve & D. Löve - SF!,  
W&W, E/W

[*Bolboschoenus maritimus* (L.) Palla subsp. *paludosus* (A. Nelson) T. Koyama] - FNA

[*Bolboschoenus maritimus* (L.) Palla var. *paludosus* (A. Nelson) Dorn] - Dorn01

[*Schoenoplectus maritimus* (L.) Lye] - KTZ



[*Scirpus maritimus* L.] - UTF  
[*Scirpus maritimus* L. var. *paludosus* (A. Nelson) Kük.] - GPF, IMF  
[*Scirpus paludosus* A. Nelson] - HDH

## Carex

(Identification sources: \_\_\_\_\_)

- Carex albonigra* Mack. - Dorn01, IMF, KTZ, SF!, UTF, FNA, E/W  
[*Carex albo-nigra* Mack.] - HDH, W&W
- Carex aquatilis* Wahlenb. var. *aquatilis* - KTZ, FNA, E/W  
[*Carex aquatilis* Wahlenb.] - Dorn01, HDH, IMF, SF!, UTF  
[*Carex aquatilis* Wahlenb. var. *altior* (Rydb.) Fernald] - GPF  
[*Carex aquatilis* Wahlenb. subsp. *aquatilis*] - W&W
- Carex aquatilis* Wahlenb. var. *stans* (Drejer) Boott - KTZ, E  
[*Carex aquatilis* Wahlenb. subsp. *stans* (Drejer) Hultén] - SFE, W&W  
[*Carex aquatilis* Wahlenb. var. *minor* Boott] - FNA
- Carex arapahoensis* Clokey - HDH, IMF, KTZ, FNA, SF!, UTF, W&W, E/W
- Carex atherodes* Spreng. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W
- Carex athrostachya* Olney - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W
- Carex atrata* L. var. *chalciolepis* (Holm) Kük. - Dorn01, IMF, E/W  
[*Carex chalciolepis* Holm] - HDH, SF!, W&W  
[*Carex heteroneura* Boott var. *chalciolepis* (Holm) F. J. Herm.] - KTZ, UTF
- Carex atrata* L. var. *erecta* Boot - Dorn01, IMF, E/W  
[*Carex atrata* L.] - HDH, SF!, W&W  
[*Carex epapillosa* Mack.] - SF!, W&W, FNA  
[*Carex heteroneura* Boott] - FNA  
[*Carex heteroneura* Boott var. *epapillosa* F. J. Herm.] - UTF  
[*Carex heteroneura* Boott var. *epapillosa* (Mack.) F. J. Herm.] - KTZ
- Carex atosquama* Mack. - KTZ, SF!, UTF, FNA, W&W, E/W
- Carex aurea* Nutt. - Dorn01, GPF, HDH, IMF, KTZ, FNA, SF!, UTF, W&W, E/W
- Carex backii* Boott var. *backii* - E, Saarela01  
[*Carex backii* Boott] - Dorn01, GPF, IMF, KTZ, SFE, UTF, W&W, FNA
- Carex bebbii* (L. H. Bailey) Fernald - GPF, SFE, W&W, E/W  
[*Carex bebbii* Olney] - SFW  
[*Carex bebbii* (L. H. Bailey) Olney ex Fernald] - Dorn01, FNA  
[*Carex bebbii* Olney ex Fernald] - HDH, IMF, KTZ, UTF
- Carex bella* L. H. Bailey - GPF, HDH, IMF, KTZ, FNA, SF!, UTF, W&W, E/W
- Carex bipartita* All. - Dorn01, IMF, UTF, E/W  
[*Carex lachenalii* Schkuhr] - KTZ, SF!, W&W, FNA
- Carex brevior* (Dewey) Mack. ex Lunell - Dorn01, GPF, HDH, FNA, IMF, E  
[*Carex brevior* (Dewey) Mack.] - KTZ, SFE, W&W
- Carex breweri* Boott var. *paddoensis* (Suksd.) Cronquist - Dorn01, IMF, UTF, E/W  
[*Carex engelmannii* L. H. Bailey] - HDH, KTZ, SF!, W&W, FNA
- Carex brunnescens* (Pers.) Poir. subsp. *brunnescens* - FNA  
[*Carex brunnescens* (Pers.) Poir. subsp. *sphaerostachya* (Tuck.) Kalela] - FNA, KTZ, E/W  
[*Carex brunnescens* (Pers.) Poir.] - Dorn01, GPF, HDH, IMF, SF!, UTF, W&W
- Carex buxbaumii* Wahlenb. - GPF, HDH, IMF, KTZ, FNA, SF!, UTF, W&W, E/W
- Carex canescens* L. var. *canescens* - E/W  
[*Carex canescens* L.] - Dorn01, HDH, IMF, SF!, UTF, W&W  
[*Carex canescens* L. subsp. *canescens*] - KTZ, FNA

*Carex capillaris* L. - Dorn01, HDH, IMF, KTZ, SF!, UTF, FNA, W&W, E/W  
 [Carex capillaris L. var. elongata Olney] - GPF  
*Carex capitata* L. var. arctogena (H. Sm.) Hultén - E/W  
 [Carex capitata L. subsp. arctogena (H. Sm.) Hiitonen] - KTZ  
 [Carex capitata L.] - Dorn01, HDH, exp., IMF, UTF, FNA  
 [Carex capitata L. subsp. arctogena (H. Sm.) Böcher] - SF!, W&W  
*Carex concinna* R. Br. - Dorn01, GPF, HDH, KTZ, FNA, SF!, W&W, E/W  
*Carex conoidea* Willd.  
 [NS - confirmed from S. Popovich based on det. by T. Reznicek; vouchers at COLO, CS, KHD, MICH, RM]  
 [Carex katahdinensis Fernald] - FNA  
*Carex cordillerana* Saarela and B. A. Ford - Saarela01  
*Carex crawei* Dewey - Dorn01, GPF, IMF, KTZ, FNA, SFE, UTF, W&W, E  
*Carex deweyana* Schwein. var. bolanderi (Olney) Boott - IMF, UTF  
 [NS - needs confirmation from SRMF region in NM]  
 [Carex bolanderi Olney] - KTZ <AZ, NM, UT, WY>, FNA  
*Carex deweyana* Schwein. var. deweyana - Hartman06, IMF, KTZ, FNA, E/W  
 [Carex deweyana Schwein.] - GPF, HDH, SF!, W&W  
*Carex diandra* Schrank - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Carex disperma* Dewey - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Carex douglasii* Boott - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Carex ebenea* Rydb. - HDH, IMF, FNA, KTZ, SF!, UTF, W&W, E/W  
*Carex echinata* Murray subsp. echinata - FNA, KTZ, E/W  
 [Carex angustior Mack.] - HDH, SF!, W&W  
 [Carex echinata Murray] - Dorn01, W&W  
 [Carex muricata L.] - IMF, UTF  
*Carex egglestonii* Mack. - Dorn01, HDH, IMF, KTZ, FNA, SF!, UTF, W&W, E/W  
*Carex elynoides* Holm - Dorn01, HDH, IMF, KTZ, FNA, SF!, UTF, W&W, E/W  
*Carex emoryi* Dewey - Dorn01, GPF, HDH, KTZ, FNA, SF!, W&W, E/W  
*Carex exsiccata* L. H. Bailey - KTZ, SF!, W&W, FNA, E/W  
 [Carex vesicaria L. var. vesicaria] - IMF, UTF  
 {Carex festucacea Schkuhr ex Willd.} - KTZ <KS, OK>, FNA, W&W<sup>1</sup>, misid.  
 {Carex festucacea Schkuhr} - GPF, W&W  
*Carex filifolia* Nutt. - Dorn01, GPF, HDH, IMF, KTZ, FNA, SF!, UTF, W&W, E/W  
 {Carex foenea Willd. var. foenea} - E/W  
 {NS - name has been misapplied to our material; see FNA p. 307 for this and var. tuberculata}  
 {Carex siccata Dewey} - HDH, IMF, KTZ, UTF  
 {Carex foenea Willd.} - Dorn01, GPF, SF!, W&W  
 {Carex foenea Willd. var. tuberculata F. J. Herm.} - PLS  
 {Carex foenea Willd.} - GPF, W&W  
 {Carex siccata Dewey} - IMF, KTZ, UTF  
*Carex foetida* All. var. vernacula (L. H. Bailey) Kük. - Dorn01, IMF, UTF, E/W  
 [Carex vernacula L. H. Bailey] - HDH, KTZ, SF!, W&W, FNA  
 {Carex garberi Fernald} - KTZ <WY>, FNA  
 {Carex aurea Nutt.} - IMF, UTF  
*Carex geyeri* Boott - Dorn01, HDH, IMF, KTZ, FNA, SF!, UTF, W&W, E/W  
 {Carex gravida L. H. Bailey var. gravida} - GPF, KTZ  
 {Carex gravida L. H. Bailey} - FNA  
*Carex gravida* L. H. Bailey var. lunelliana (Mack.) F. J. Herm. - GPF, HDH, KTZ, SFE,  
 W&W, FNA, E  
 [Carex gravida L. H. Bailey] - FNA  
*Carex gynocrates* Wormsk. ex Drejer - Dorn01, FNA, HDH, KTZ, E/W

[Carex dioica L. subsp. gynocrates (Wormskiold) Hultén] - SF!, W&W  
 [Carex dioica L. var. gynocrates (Wormskiold) Ostenf.] - IMF, UTF  
 Carex hassei L. H. Bailey - FNA <CO?>, HDH, KTZ <NM, UT>, SF!, W&W, E/W  
 [Carex aurea Nutt.] - IMF, UTF  
 Carex haydeniana Olney - Dorn01, HDH, IMF, FNA, KTZ, SF!, UTF, W&W, E/W  
 {Carex heteroneura W. Boott var. brevisquama F. J. Herm., publ. without Latin desc. or  
 typification} - KTZ  
 {Carex atrata L.} - IMF, SF!  
 {Carex atrata L. var. erecta Boott} - RMC  
 Carex hoodii Boott - Dorn01, GPF, HDH, IMF, KTZ, FNA, SF!, UTF, W&W, E/W  
 Carex hystricina Muhl. ex Willd. - Dorn01, GPF, FNA, HDH, IMF, KTZ, UTF, W&W, E/W  
 [Carex hystricina Muhl.] - SF!  
 Carex illota L. H. Bailey - Dorn01, HDH, IMF, KTZ, FNA, SF!, UTF, W&W, E/W  
 Carex incurviformis Mack. var. danaensis (Stacey) F. J. Herm. - Dorn01, KTZ  
 [Carex incurviformis Mack.] - FNA  
 Carex interior L. H. Bailey - Dorn01, GPF, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 [Carex scirpoides Schkuhr ex Willdenow] - FNA  
 Carex jonesii L. H. Bailey - Dorn01, HDH, IMF, KTZ, FNA, SF!, UTF, W&W, E/W  
 Carex laeviculmis Meinsh. - KTZ, FNA, SF!, W&W, E/W  
 Carex lanuginosa Michx. - GPF, HDH, IMF, SF!, UTF, W&W, E/W  
 [Carex pellita Muhl. ex Willd.] - Dorn01, KTZ  
 [Carex lasiocarpa Ehrh.] - FNA  
 Carex lasiocarpa Ehrh. - Dorn01, FNA, SFE, UTF, W&W, E  
 [Carex lasiocarpa Ehrh. var. americana Fernald] - GPF, KTZ  
 Carex lenticularis Michx. var. pallida (Boott) Dorn - Dorn01, E/W  
 [Carex kelloggii Boott] - HDH  
 [Carex lenticularis Michx.] - UTF  
 [Carex lenticularis Michx. var. lenticularis] - IMF  
 [Carex lenticularis Michx. var. lipocarpa (Holm) L. A. Standl.] - FNA, KTZ, SF!, W&W  
 Carex leporinella Mack. - FCF, FNA  
 Carex leptalea Wahlenb. subsp. leptalea - KTZ, E/W  
 [Carex leptalea Wahlenb.] - Dorn01, GPF, FNA, HDH, IMF, SF!, UTF, W&W  
 Carex leptopoda Mack. - KTZ, FNA  
 [Carex deweyana Schwein. var. leptopoda (Mack.) Boivin] - PLS  
 [Carex deweyana Schwein.] - SF!  
 [Carex deweyana Schwein. var. bolanderi (Olney) W. Boott] - UTF  
 [Carex deweyana Schwein. subsp. leptopoda (Mack.) Calder & Taylor] - IMF  
 Carex limosa L. - Dorn01, FNA, GPF, HDH rep., IMF, KTZ, SF!, UTF, W&W, E/W  
 Carex livida (Wahlenb.) Willd. var. radicaulis Paine - KTZ, FNA, E  
 [Carex livida (Wahlenb.) Willd.] - SFE, W&W  
 Carex macloviana D'Urville - Dorn01, FNA, SF!, W&W, E/W  
 [Carex subfusca W. Boott] - KTZ  
 Carex maritima Gunn. - KTZ, SF!, W&W, FNA <Canada>, E/W  
 Carex microglochis Wahlenb. - Dorn01, HDH, KTZ, SF!, UTF, W&W, E/W  
 [Carex microglochis Wahlenb. subsp. microglochis] - FNA  
 Carex microptera Mack. var. limnophila (F. J. Herm.) Dorn - Dorn01, E/W  
 [Carex limnophila F. J. Herm.] - IMF, SF!, UTF, W&W  
 [Carex microptera Mack.] - KTZ, FNA  
 Carex microptera Mack. var. microptera - E/W  
 [Carex festivella Mack.] - HDH, SF!, W&W  
 [Carex microptera Mack.] - GPF, IMF, FNA, KTZ, SF!, UTF, W&W

- Carex misandra* R. Br. - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 [*Carex fuliginosa* Schkuhr] - FNA
- Carex molesta* Mack. ex Bright - KTZ, E  
 [*Carex molesta* Mack.] - GPF, SFE, W&W
- Carex nardina* Fr. var. *hepburnii* (W. Boott) Kük. - KTZ, E/W  
 [*Carex hepburnii* Boott] - HDH, W&W<sup>1</sup>  
 [*Carex nardina* Fr.] - Dorn01, IMF, UTF, FNA  
 [*Carex nardina* Fr. subsp. *hepburnii* (Boott) A. Löve & D. Löve] - SF!, W&W
- Carex nebrascensis* Dewey - Dorn01, FNA, IMF, KTZ, SF!, UTF, W&W, E/W  
 [*Carex nebrascensis* Dewey] - GPF, HDH
- Carex nelsonii* Mack. - Dorn01, HDH, KTZ, FNA, SF!, UTF, W&W, E/W  
 [*Carex estesiana* Kelso] - FNA  
 [*Carex nova* L. H. Bailey] - Dorn01 (as distinct form *C. nelsonii*), IMF
- Carex neurophora* Mack. - Dorn01, HDH, FNA, IMF, KTZ, SF!, UTF, W&W, E/W
- Carex nigricans* C. A. Mey. - Dorn01, HDH, FNA, IMF, KTZ, SF!, UTF, W&W, E/W  
 {*Carex norvegica* Retz. var. *norvegica*} - KTZ, FNA <eastern Canada>, W  
 {*Carex norvegica* Retz. subsp. *norvegica*} - SFW, W&W
- Carex norvegica* Retz. var. *stevenii* (Holm) Dorn - Dorn01, E/W  
 [*Carex media* R. Br. var. *stevenii* (Holm) Fernald] - HDH  
 [*Carex norvegica* Retz.] - IMF, UTF  
 [*Carex norvegica* Retz. subsp. *stevenii* (Holm) E. Murray] - KTZ  
 [*Carex norvegica* Retz. subsp. *stevenii* (Holm) D. Murray] - SF!, W&W  
 [*Carex stevenii* (Holm) Kalela] - W&W<sup>1</sup>, FNA
- Carex nova* L. H. Bailey var. *nova* - E/W  
 [*Carex nova* L. H. Bailey] - Dorn01, HDH, IMF, KTZ, FNA, SF!, UTF, W&W<sup>1</sup>  
 [*Carex nova* A. Nelson] - W&W
- Carex nova* L. H. Bailey var. *pelocarpa* (F. J. Herm.) Dorn - Dorn01, E/W  
 [*Carex pelocarpa* F. J. Herm.] - KTZ, SF!, W&W, FNA  
 [*Carex nova* L. H. Bailey] - IMF, UTF
- Carex obtusata* Lilj. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W
- Carex occidentalis* L. H. Bailey - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W
- Carex oederi* Retz. var. *recterostrata* (L. H. Bailey) Dorn - E/W  
 [*Carex oederi* Retz.] - IMF  
 [*Carex oederi* Retz. var. *viridula* (Michx.) Kük.] - see IMF, UTF  
 [*Carex viridula* Michx.] - Dorn01, GPF, HDH, SF!, W&W  
 [*Carex viridula* Michx. subsp. *viridula*] - KTZ, FNA
- Carex oreocharis* Holm - Dorn01, HDH, FNA, KTZ, SFE, W&W, E  
 [NS - a "regional endemic" of CO and WY, including parts of UT]
- Carex pachystachya* Cham. ex Steud. - Dorn01, FNA, HDH, IMF, KTZ, UTF, W&W, E/W  
 [*Carex pachystachya* Cham.] - SF!
- Carex parryana* Dewey var. *parryana* - Dorn01, KTZ  
 [*Carex parryana* Dewey] - GPF, IMF, UTF, FNA  
 [*Carex parryana* Dewey subsp. *parryana*] - W&W
- Carex parryana* Dewey var. *unica* L. H. Bailey - Dorn01, E/W  
 [*Carex hallii* Olney] - GPF, HDH, KTZ, FNA  
 [*Carex parryana* Dewey] - IMF, UTF  
 [*Carex parryana* Dewey subsp. *hallii* D. F. Murray] - SFW  
 [*Carex parryana* Dewey subsp. *hallii* (Olney) D. F. Murray] - SF!, W&W
- Carex paupercula* Michx. - Dorn01, HDH, IMF, UTF, E/W  
 [*Carex magellanica* Lam. subsp. *irrigua* (Sm.) Hultén] - W&W  
 [*Carex magellanica* Lam. subsp. *irrigua* (Wahlenb.) Hiitonen] - FNA  
 [*Carex magellanica* Lam. subsp. *irrigua* (Wahlenb.) Hultén] - KTZ, SF!

*Carex paysonis* Clokey - Dorn01, FNA  
 [Carex podocarpa var. paysonis (Clokey) Boivin] - KTZ  
 [Carex tolmei auct. non Boott] - KTZ  
*Carex peckii* Howe - FNA, GPF, KTZ, SFE, W&W, E  
*Carex pensylvanica* Lam. var. *digyna* Boeck. - Dorn01, E/W  
 [Carex heliophila Mack.] - GPF, HDH  
 [Carex inops L. H. Bailey subsp. heliophila (Mack.) Crins] - KTZ, FNA  
 [Carex pensylvanica Lam. subsp. heliophila (Mack.) W. A. Weber] - SF!, W&W  
*Carex perglobosa* Mack. - HDH, IMF, FNA, KTZ, SF!, UTF, W&W, E/W  
*Carex petasata* Dewey - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Carex phaeocephala* Piper - Dorn01, HDH, FNA, IMF, KTZ, SF!, UTF, W&W, E/W  
*Carex pityophila* Mack. - HDH, FNA, KTZ, E/W  
 [Carex geophila Mack.] - IMF, KTZ, SF!, UTF, W&W  
*Carex praeceptorum* Mack. - Dorn01, IMF, FNA, SF!, UTF, W&W, E/W  
 [Carex praeceptorium Mack.] - HDH, KTZ  
*Carex praegracilis* Boott - Dorn01, FNA GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Carex praticola* Rydb. - Dorn01, GPF, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Carex pyrenaica* Wahlenb. subsp. *pyrenaica* - KTZ, E/W  
 [Carex crandallii Gand.] - SF!, W&W  
 [Carex pyrenaica Wahlenb.] - Dorn01, HDH, IMF, UTF, W&W<sup>1</sup>, misapp.  
 [Carex micropoda C. A. Meyer] - FNA  
*Carex raynoldsii* Dewey - Dorn01, HDH, IMF, FNA, KTZ, SF!, UTF, W&W, E/W  
*Carex retrorsa* Schwein. - GPF, FNA, HDH, IMF, KTZ, SFW, UTF, W&W, W  
*Carex rosea* Schkuhr ex Willd. - Hartman06  
*Carex rossii* Boott - Dorn01, HDH, IMF, FNA, KTZ, SF!, UTF, W&W, E/W  
 [Carex brevipes Boott] - SF!, W&W  
 [Carex rossii Boott ex Hook.] - GPF  
 {*Carex rostrata* Stokes} - see *C. utriculata*  
*Carex rupestris* All. - Dorn01, FNA, IMF, UTF, E/W  
 [Carex drummondiana Dewey] - HDH  
 [Carex rupestris All. subsp. drummondiana (Dewey) Holub] - SF!, W&W  
 [Carex rupestris All. var. drummondiana (Dewey) L. H. Bailey] - KTZ  
*Carex sartwellii* Dewey - Dorn01, FNA, GPF, HDH, SF!, W&W, E/W  
 [Carex sartwellii Dewey var. sartwellii] - KTZ  
*Carex saxatilis* L. - Dorn01, IMF, FNA, KTZ, UTF, E/W  
 [Carex physocarpa C. Presl] - HDH  
 [Carex X physocarpioides Lepage] - KTZ  
 [Carex saxatilis X C. utriculata] - KTZ  
 [Carex saxatilis L. subsp. laxa (Trautv.) Kalela] - SF!, W&W  
 [Carex saxatilis L. var. major Olney] - see IMF  
*Carex saximontana* Mack. - Dorn01, Sarrela01, FNA  
 [Carex backii Boott var. subrostrata (Bates) Dorn] - E  
 [Carex backii Boott] - IMF, KTZ, UTF, FNA  
 [Carex saximontana Mack.] - GPF, HDH, KTZ, SFE, W&W, FNA  
*Carex scirpoidea* Michx. var. *pseudoscirpoidea* (Rydb.) Cronquist - Dorn01, IMF, UTF, E/W  
 [Carex pseudoscirpoidea Rydb.] - HDH, W&W  
 [Carex scirpoidea Michx. subsp. pseudoscirpoidea (Rydb.) Dunlop] - FNA, KTZ, SF!, W&W<sup>1</sup>  
*Carex scirpoidea* Michx. var. *scirpiformis* (Mack.) O'Neill & Duman - Dorn01, FNA  
 [Carex scirpoidea Michx.] - GPF  
 [Carex scirpoidea Michx. subsp. scirpoidea] - KTZ  
*Carex scirpoidea* Michx. var. *scirpoidea* - Dorn01, E/W  
 [Carex scirpoidea Michx.] - SF!, W&W

- [*Carex scirpoidea* Michx. subsp. *scirpoidea*] - KTZ, FNA  
*Carex scoparia* Schkuhr ex Willd. var. *scoparia* - KTZ, FNA, E  
 [*Carex scoparia* Schkuhr] - SFE, UTF  
 [*Carex scoparia* Schkuhr ex Willd.] - GPF, HDH, W&W  
*Carex scopulorum* Holm - Dorn01, HDH, FNA, IMF, SF!, UTF, W&W, E/W  
 [*Carex bigelowii* Torr. ex Schwein.] - HDH, KTZ, W&W, misapp.  
 [*Carex chimaphila* Holm] - HDH  
 [*Carex gymnoclada* Holm] - HDH  
 [*Carex scopulorum* Holm var. *bracteosa* (L. H. Bailey) F. J. Herm.] - KTZ  
 [*Carex scopulorum* Holm var. *scopulorum*] - KTZ  
*Carex siccata* Dewey - FNA, HDH, IMF, KTZ, UTF  
 [*Carex foenea* Willd. var. *foenea*] - E/W  
 [*Carex foenea* Willd.] - GPF, SF!, W&W  
 [*Carex foenea* Willd.] - GPF, W&W  
 [*Carex siccata* Dewey] - IMF, KTZ, UTF  
*Carex simulata* Mack. - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Carex sprengelii* Dewey ex Spreng. - Dorn01, FNA, GPF, HDH, KTZ, W&W, E/W  
 [*Carex sprengelii* Dewey] - SF!  
*Carex stenophylla* Wahlenb. - Dorn01, IMF, UTF, E/W  
 [*Carex duriuscula* C. A. Mey] - KTZ, FNA  
 [*Carex eleocharis* L. H. Bailey] - GPF, HDH  
 [*Carex stenophylla* Wahlenb. subsp. *eleocharis* (L. H. Bailey) Hultén] - SF!, W&W  
*Carex stenoptila* F. J. Herm. - Dorn01, HDH, FNA, KTZ, SF!, W&W, E/W  
*Carex stipata* Muhl. ex Willd. var. *stipata* - FNA, IMF, KTZ, E/W  
 [*Carex stipata* Muhl.] - GPF, SF!  
 [*Carex stipata* Muhl. ex Willd.] - Dorn01, HDH, W&W  
 [*Carex stipata* Muhl. var. *stipata*] - UTF  
*Carex stricta* - Dorn01  
 Δ *Carex sychnocephala* J. Carey - FNA, GPF, KTZ, SFE, W&W, E  
 [WJ - possibly a disjunct vs. adventive]  
*Carex tahoensis* Smiley - KTZ, FNA  
*Carex tenera* Dewey - WY Checklist  
 [*Carex tenera* Dewey var. *echinodes* (Fern.) Wieg.] - KTZ  
 [*Carex tenera* Dewey var. *tenera*] - FNA  
*Carex tenuiflora* Wahlenb. - KTZ, FNA, SFE, W&W, E  
*Carex torreyi* Tuck. - FNA, GPF, HDH, KTZ, SFE, W&W, E  
*Carex utriculata* Boott - Dorn01, FNA, KTZ, SF!, W&W, E/W  
 [*Carex rostrata* Stokes] - HDH, W&W, misapp.  
 [*Carex rostrata* Stokes var. *rostrata*] - RMC  
 [*Carex rostrata* Stokes ex With.] - IMF, UTF  
 [*Carex rostrata* Stokes ex Willd.] - GPF  
*Carex vallicola* Dewey var. *vallicola* - KTZ, E/W  
 [*Carex vallicola* Dewey] - Dorn01, FNA, GPF, HDH, IMF, SF!, UTF, W&W  
 Δ *Carex vesicaria* L. var. *vesicaria* - IMF, KTZ, UTF, E/W  
 [*Carex vesicaria* L.] - Dorn01, HDH, SF!, W&W, FNA  
 [*Carex vesicaria* L. *monile* (Tuck.) Fernald] - GPF  
*Carex vulpinoidea* Michx. - Dorn01, FNA, GPF, HDH, IMF, SF!, W&W, E/W  
 [*Carex vulpinoidea* Michx. var. *vulpinoidea*] - KTZ  
*Carex xerantica* L. H. Bailey - Dorn01, FNA, GPF, HDH, IMF, SF!, UTF, W&W, E/W  
  
*Cyperus acuminatus* Torr. & Hook. ex Torr. - Dorn01, KTZ, E  
 [*Cyperus acuminatus* Torr. & Hook.] - GPF, HDH, IMF, SFE, UTF, W&W, FNA

- Cyperus aristatus* Rottb. var. *aristatus* - E/W  
 [Cyperus aristatus Rottb.] - GPF, HDH, IMF, SF!, UTF, W&W  
 [Cyperus squarrosus L.] - Dorn01, KTZ, FNA  
 {Cyperus diandrus Torr.} - GPF, HDH rep., KTZ <NE>, FNA <NE>, W&W<sup>1</sup>, no specimens  
*Cyperus engelmannii* Steud. - GPF, Castilleja 23(4): 6 (2004)  
 Δ *Cyperus erythrorhizos* Muhl. - Dorn01, FNA, GPF, HDH, exp., IMF, KTZ, SF!, UTF, W&W, E/W  
 Δ {Cyperus esculentus L. var. *esculentus*} - KTZ, FNA, E  
 {Cyperus esculentus L.} - GPF, HDH, IMF, SFE, UTF, W&W  
 Δ *Cyperus esculentus* L. var. *leptostachys* Boeck. - KTZ, FNA  
*Cyperus fendlerianus* Boeckl. - HDH, FNA, KTZ, E/W  
 [Chlorocyperus fendlerianus (Boeckeler) Palla] - FNA  
 [Mariscus fendlerianus (Böckl.) T. Koyama] - SF!, W&W  
*Cyperus lupulinus* (Spreng.) Marcks var. *lupulinus* - E  
 [Cyperus filiculmis Vahl] - HDH  
 [Cyperus lupulinus (Spreng.) Marcks subsp. *lupulinus*] - FNA, GPF, KTZ  
 [Mariscus filiculmis (Vahl) T. Koyama] - SFE, W&W  
 Δ *Cyperus odoratus* L. - GPF, KTZ, FNA, SF!, W&W, E/W  
 [Cyperus odoratus L. var. *squarrosus* (Britton) S. D. Jones] - KTZ  
*Cyperus rivularis* Kunth - GPF, HDH, SFE, UTF, W&W, E  
 [Cyperus rivularis Kunth var. *rivularis*] - IMF  
 [Cyperus bipartitus Torr.] - Dorn01, KTZ, FNA  
*Cyperus schweinitzii* Torr. - Dorn01, GPF, FNA, HDH, IMF, KTZ, UTF, E  
 [Mariscus schweinitzii (Torr.) T. Koyama] - SFE, W&W  
*Cyperus strigosus* L. - FNA, GPF, HDH exp., IMF, KTZ, UTF  
 [Cyperus hansenii Britton] - FNA  
 [Cyperus strigosus var. *hansenii* (Britton) Kükenthal] - FNA  
 [Cyperus strigosus var. *stenolepis* (Torrey) Kükenthal] - FNA  
 [Mariscus tenolepis (Torrey) C. B. Clarke] - FNA  
 [Mariscus strigosus (L.) C. B. Clarke] - FNA

### Eleocharis

[NS - FNA took the continent-wide perspective but knowledge of our material would benefit from a dissertation level study of the genus regionally]

(Identification sources: \_\_\_\_\_)

- Eleocharis acicularis* (L.) Roem. & Schult. - Dorn01, GPF, FNA, HDH, KTZ, SF!, W&W, E/W  
*Eleocharis atropurpurea* (Retz.) J. Presl & C. Presl - KTZ, FNA, E  
 [Eleocharis atropurpurea (Retz.) Kunth] - GPF, HDH, rep.  
 [Eleocharis atropurpurea (Retz.) C. Presl] - SFE, W&W  
*Eleocharis bolanderi* A. Gray - HDH, IMF, FNA, KTZ, SF!, UTF, W&W, E/W  
*Eleocharis compressa* Sull. - FNA, GPF, KTZ, E  
 [Eleocharis elliptica Kunth var. *compressa* (Sull.) Drapalik & Mohlenb.] - SFE, W&W  
*Eleocharis elliptica* Kunth - FNA  
 [Eleocharis capitata (L.) R. Brown var. *borealis* Svens.] - FNA, KTZ  
 [Eleocharis compressa Sullivant var. *borealis* Drapalik & Mohlenbrock] - FNA, KTZ  
 [Eleocharis tenuis var. *borealis* (Svens.) Gleason] - Dorn01, FNA, KTZ  
*Eleocharis engelmannii* Steud. - FNA, KTZ, E  
 [Eleocharis engelmannii Steud. var. *detonsa* A. Gray] - FNA  
 [Eleocharis engelmannii Steud. var. *monticola* (Fernald) Svenson] - HDH

[Eleocharis monticola Fernald] - FNA  
 [Eleocharis monticola Fernald var. leviseta Fernald] - FNA  
 [Eleocharis obtusa (Willd.) Schult. var. detonsa (A. Gray) Drapalik & Mohlenb.] - SFE, W&W  
 [Eleocharis obtusa (Willd.) Schult. var. ovata (Roth) Drapalik & Mohlenb.] - GPF  
 [Eleocharis ovata (Roth) Roem. & Schult.] - IMF, UTF  
 [Eleocharis ovata (Roth) Roem. & Schult. var. detnosa (A. Gray) Mohlenbrock] - FNA  
 Eleocharis erythropoda Steud. - FNA, GPF, KTZ<KS, NE, OK>, W&W<sup>1</sup>  
 [Eleocharis palustris (L.) Roem. & Schult.] - Dorn01, IMF  
 Eleocharis macrostachya Britt. in J. K. Small - FNA  
 [Eleocharis perlonga Fernald & Brackett] - FNA  
 [Eleocharis xyridiformis Fernald & Brackett] - FNA  
 Eleocharis montevidensis Kunth - FNA <NM>, GPF, HDH rep., KTZ, SF!, W&W, E/W  
 Eleocharis obtusa (Willd) Schult. - HDH, FNA, KTZ  
 [Eleocharis obtusa (Willd) Schult. var. obtusa] - GPF, W&W, W&W<sup>1</sup>  
 [Eleocharis ovata (Roth) Roem. & Schult.] - Dorn01, IMF  
 Eleocharis palustris (L.) Roem. & Schult. - FNA, IMF, KTZ, SF!, UTF, W&W, W&W<sup>1</sup>, E/W  
 [Eleocharis macrostachya Britton] - GPF, HDH, KTZ, W&W<sup>1</sup>  
 Eleocharis parvula (Roem. & Schult.) Link ex Bluff & Fingerh. - UTF, E  
 [Eleocharis coloradoensis (Britton) Gilley] - FNA  
 [Eleocharis parvula (Roem. & Schult.) Link ex Bluff, Nees & Schauer] - KTZ, W&W  
 [Eleocharis parvula (Roem. & Schult.) Link var. anachaeta (Torr.) Svenson] - SFE  
 [Eleocharis parvula (Roem. & Schult.) Link ex Bluff & Fingerh. var. anachaeta (Torr.) Svenson] - Dorn01, IMF  
 [Eleocharis parvula (Roem. & Schult.) Boff. & Fingerbr. var. anachaeta (Torr.) Svenson] - GPF  
 [Eleocharis parvula (Roem. & Schult.) Link ex Bluff var. anachaeta (Torr.) Svenson] - HDH  
 [Eleocharis parvula (Roem. & Schult.) Link var. anachaeta (Torr.) Svenson] - W&W<sup>1</sup>  
 Eleocharis pauciflora (Lightf.) Link - GPF, HDH, IMF, UTF, E/W  
 [Eleocharis quinqueflora (Hartmann) Schwarz] - Dorn01, FNA, KTZ, SF!, W&W  
 Eleocharis rostellata (Torr.) Torr. - Dorn01, FNA, GPF, IMF, KTZ, SF!, UTF, E/W  
 [Eleocharis rostellata Torr.] - HDH, W&W  
 Eleocharis suksdorfiana Beauverd - FNA  
 Eleocharis wolfii (A. Gray) A. Gray ex Britton - FNA, KTZ, W&W<sup>1</sup>  
 [Eleocharis wolfii (A. Gray) Patt.] - GPF  
 [Eleocharis wolfii A. Gray] - HDH rep., W&W  
 Eleocharis xyridiformis (Fernald) Brackett - GPF, W&W<sup>1</sup>  
 [Eleocharis macrostachya Britton] - KTZ, FNA  
 [Eleocharis palustris (L.) Roem. & Schult.] - IMF

Eriophorum angustifolium Honck. - Dorn01, SF!, W&W, FNA  
 [Eriophorum angustifolium Roth] - HDH  
 [Eriophorum angustifolium Honck. subsp. scabriusculum Hultén] - KTZ  
 [Eriophorum polystachion L. - GPF, IMF, UTF, E/W; FNA [rejected name]]  
 Eriophorum chamissonis C. A. Mey. - Dorn01, FNA, GPF, HDH, KTZ, W&W  
 [Eriophorum altaicum Meinsh. var. neogaeum Raymond sensu FNA.]  
 Eriophorum gracile W. D. J. Koch var. gracile - Dorn01, KTZ, FNA, E/W  
 [Eriophorum gracile W. D. J. Koch] - GPF, HDH, SF!, W&W  
 Eriophorum scheuchzeri Hoppe - IMF, FNA, KTZ, UTF, W&W err. rep., E/W  
 [Eriophorum altaicum Meinsh. var. neogaeum Raymond misapp. in SFW and in 7 specimens of *E. scheuchzeri* at RM annotated as *E. altaicum* by W. A. Weber in 1991] - KTZ, SF!, W&W  
 Eriophorum viridicarinarum (Engelm.) Fernald - FNA, GPF, KTZ

Hemicarpha (see **Lipocarpa**)



*Fimbristylis puberula* (Michx.) Vahl var. *interior* (Britton) Kral - FNA <NM>, GPF, see IMF, KTZ, W&W, E

[*Fimbristylis puberula* (Michx.) Vahl] - SFE, HDH

[*Fimbristylis spadicea* (L.) Vahl] - IMF, UTF

*Kobresia bellardii* (All.) Degland - HDH, IMF, UTF, E/W

[*Kobresia myosurioides* (Vill.) Fiori] - KTZ, FNA

[*Kobresia myosurioides* (Vill.) Fiori & Paoli] - SF!, W&W

*Kobresia sibirica* Turcz. - (E/W)

[*Kobresia bellardii* (All.) Degland var. *macrocarpa* (Clokey) Harrington] - HDH

[*Kobresia schoenoides* (C. A. Mey.) Steud.] - SF!, W&W

[*Kobresia sibirica* (Turcz. ex Ledeb.) Boeckl.] - KTZ, FNA

*Kobresia simpliciuscula* (Wahlenb.) Mack. - IMF, FNA, KTZ, SF!, UTF, W&W, E/W

*Lipocarpa aristulata* (Coville) G. C. Tucker - KTZ, E

[*Hemicarpha micrantha* (Vahl) Britton] - GPF, IMF

[*Hemicarpha micrantha* Pax var. *aristulata* Coville] - HDH, W&W

[*Hemicarpha micrantha* (Vahl) Britton var. *aristulata* Coville] - see IMF, UTF

[*Hemicarpha micrantha* (Vahl) Pax var. *aristulata* Coville] - SFE, W&W<sup>1</sup>

*Lipocarpa drummondii* (Nees) G. Tucker - Dorn01, KTZ, FNA

[NS: reported by KTZ and WY checklist for WY; for our region only in NM fide FNA 23: 196]

[*Hemicarpha drummondii* Nees] - KTZ, FNA

[*Hemicarpha micrantha* var. *drummondii* (Nees) Friedland] - KTZ

[*Scirpus micranthus* var. *drummondii* (Nees) Mohlenbrock] - KTZ

Mariscus (see **Cyperus**)

*Rhynchospora alba* (L.) Vahl - *J. Lemly et al. 1811* (at COLO)

[NS - collected in fen from La Plata County, J. Lemley {pers. comm. 2008}]

*Schoenoplectus acutus* (Muhl. ex Bigelow) A. Löve & D. Löve var. *acutus* - FNA, KTZ, E/W

[*Schoenoplectus lacustris* (L.) Palla subsp. *acutus* (Muhl. ex Bigelow) A. Löve & D. Löve] - W&W

[*Schoenoplectus lacustris* (L.) Palla subsp. *acutus* (Muhl.) A. Löve & D. Löve] - SF!

[*Scirpus acutus* Muhl.] - GPF

[*Scirpus acutus* Muhl. ex Bigelow] - HDH, IMF, UTF

*Schoenoplectus acutus* (Muhl. ex Bigelow) A. Löve & D. Löve var. *occidentalis* (S. Watson) S.

G. Sm. - Dorn01, KTZ, FNA

*Schoenoplectus americanus* (Pers.) Volkart ex Schinz & R. Keller - FNA, FCF, KTZ

[*Schoenoplectus americanus* (Pers.) Volkart] - W&W, misapp.

[*Scirpus americanus* Pers.] - GPF, IMF, UTF

*Schoenoplectus pungens* (Vahl) Palla var. *pungens* - E/W

[*Schoenoplectus pungens* (Vahl) Palla] - SF!, W&W, FNA

[*Schoenoplectus pungens* (Vahl) Pall var. *longispicatus* (Britton) S. G. Sm.] - KTZ

[*Scirpus americanus* Pers. var. *polyphyllus* (Bock.) Beetle] - HDH

[*Scirpus pungens* Vahl] - GPF

[*Scirpus pungens* Vahl var. *longispicatus* (Britton) Cronquist] - IMF, UTF

[*Scirpus pungens* (Vahl) Pall. var. *polyphyllus* (Boeck.) Dorn] - Dorn01

*Schoenoplectus saximontanus* (Fernald) J. Raynal - Dorn01, FNA, KTZ, SFE, W&W, E

[*Scirpus saximontanus* Fernald] - RMC

[*Scirpus saximontanus* A. Gray] - GPF

[*Scirpus supinus* L.] - HDH, UTF

[*Scirpus supinus* L. var. *saximontanus* (Fernald) T. Koyama] - IMF

*Schoenoplectus tabernaemontani* (K. C. Gmel.) Palla - Dorn01, FNA, KTZ, E/W

[*Schoenoplectus lacustris* L. subsp. *validus* (Vahl) A. Löve & D. Löve] - W&W, misapp.

[*Schoenoplectus lacustris* (L.) Palla subsp. *creber* (Fernald) A. Löve & D. Löve] - SFE, W&W<sup>1</sup>

[*Schoenoplectus lacustris* (L.) Palla subsp. *validus* (Vahl) A. Löve & D. Löve] - SFW

[*Scirpus validus* Vahl] - GPF, HDH, IMF, UTF

**Scirpus** (see also **Amphiscirpus**, **Bolboschoenus**, **Schoenoplectus**, **Trichophorum**)

*Scirpus microcarpus* J. Presl & C. Presl - Dorn01, KTZ, FNA, W&W, E/W

[*Scirpus microcarpus* C. Presl - GPF, IMF, SF!, UTF

[*Scirpus rubrotinctus* Fernald] - HDH

*Scirpus pallidus* (Britton) Fernald - Dorn01, GPF, HDH, IMF, KTZ, FNA, SF!, W&W, E/W

Δ *Scirpus pendulus* Muhl. - KTZ, FNA, W&W<sup>1</sup>, E

[*Scirpus lineatus* Michx.] - SFE, W&W, W&W<sup>1</sup>, misid

{*Trichophorum caespitosum* (L.) Hartman} - KTZ, W&W

{*Trichophorum caespitosum* (L.) Schur} - FNA <UT>

*Trichophorum pumilum* (Vahl) Schinz & Thell. - Dorn01, KTZ, FNA <MT>, SF!, W&W, E/W

[*Scirpus pumilus* Vahl] - HDH rep.

**Cypripediaceae** (see **ORC**)

**Dipsacaceae - DPS**

∴ *Dipsacus fullonum* L. - Dorn01, GPF, KTZ, SF!, W&W, E/W

[*Dipsacus sylvestris* Huds.] - HDH, IMF, UTF

∴ *Dipsacus laciniatus* L. - GPF, KTZ, SFE, W&W, E

[WJ - this species appears to hybridize with *D. fullonum* in parts of Jefferson Co, CO]

∴ *Knautia arvensis* (L.) Coult. - GPF, IMF, KTZ, UTF, W&W, E/W

[*Knautia arvensis* (L.) Duby] - SF!

**Droseraceae - DRS**

*Drosera anglica* Huds. - *J. Lemly et al. 1806* (COLO)

[NS - collected in fen in La Plata County, J. Lemly {pers. comm. 2008}]

*Drosera rotundifolia* L. var. *rotundifolia* - KTZ, E/W

[*Drosera rotundifolia* L.] - GPF, SF!, W&W

**Ehretiaceae** (see **BOR**)

**Elaeagnaceae - ELE**

∴ *Elaeagnus angustifolia* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

Δ *Elaeagnus commutata* Bernh. ex Rydb. - Dorn01, IMF, KTZ, E

[*Elaeagnus commutata* Bernh.] - GPF, HDH, SFE, UTF, W&W

*Shepherdia argentea* (Pursh) Nutt. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Shepherdia canadensis* (L.) Nutt. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

## **Elatinaceae - ELT**

*Bergia texana* (Hook.) Seub. ex Walp. - KTZ, W&W, E

[*Bergia texana* (Hook.) Seub.] - SFE, UTF

[*Bergia texana* (Hook.) Walp.] - GPF

{*Elatine americana* (Pursh) Arn.} - HDH, KTZ <KS, OK>, W&W, misapp.

*Elatine brachysperma* A. Gray - WY checklist, GPF, KTZ, UTF

[*Elatine obovata* (Fassett) Mason] - KTZ

[*Elatine triandra* var. *brachysperma* (Gray) Fassett] - KTZ

*Elatine rubella* Rydb. - Dorn01, KTZ, W&W, E/W

[*Elatine triandra* Schkuhr] - GPF, HDH rep., SF!, UTF, W&W<sup>1</sup>

## **Ericaceae - ERI (including Monotropaceae, Pyrolaceae)**

(Identification sources: \_\_\_\_\_)

◆ *Arctostaphylos X coloradensis* Rollins - **ENDEMIC** <CO>, KTZ

[*Arctostaphylos patula* X *A. uva-ursi*] - KTZ

[*Arctostaphylos nevadensis* A. Gray var. *coloradensis* (Rollins) Harrington] - HDH

[*Arctostaphylos patula* Greene forma *platyphylla* (A. Gray) P. V. Wells] - W&W

*Arctostaphylos patula* Greene - HDH, KTZ, UTF, W

[*Arctostaphylos patula* Greene subsp. *platyphylla* (A. Gray) P. V. Wells] - SFW

[*Arctostaphylos patula* Greene forma *platyphylla* (A. Gray) P. V. Wells] - W&W

*Arctostaphylos pungens* Kunth - KWA, KTZ, M&H, W&S

[*Arctostaphylos chaloneorum* J.B. Roof] - KTZ

[*Arctostaphylos pseudopungens* J.B. Roof] - KTZ

[*Arctostaphylos pungens* subsp. *chaloneorum* (J.B. Roof) J.B. Roof] - KTZ

*Arctostaphylos uva-ursi* (L.) Spreng. var. *adenotricha* Fernald & J. F. Macbr. - Dorn01, GPF, HDH, E/W

[*Arctostaphylos uva-ursi* L. subsp. *adenotricha* (Fernald & J. F. Macbr.) Calder & R. L. Taylor - SFW

[*Arctostaphylos uva-ursi* (L.) Spreng. subsp. *adenotricha* (Fernald & J. F. Macbr.) Calder & R. L. Taylor - GPF, HDH, SFE, W&W<sup>1</sup>

[*Arctostaphylos adenotricha* (Fernald & J. F. Macbr.) A. Löve, D. Löve, & B. M. Kapoor] - W&W

[*Arctostaphylos uva-ursi* (L.) Spreng.] - KTZ, UTF

*Arctostaphylos uva-ursi* (L.) Spreng. var. *stipitata* (Packer & Denford) Dorn - Dorn01

*Arctostaphylos uva-ursi* (L.) Spreng. var. *uva-ursi* - Dorn01, HDH, E

[*Arctostaphylos uva-ursi* (L.) Spreng.] - KTZ, UTF

[*Arctostaphylos uva-ursi* L. subsp. *coactilis* (Fernald & J. F. Macbr.) A. Löve, D. Löve, & B. M. Kapoor] - W&W

[*Arctostaphylos uva-ursi* (L.) Spreng. subsp. *coactilis* (Fernald & J. F. Macbr.) A. Löve, D. Löve, & B. M. Kapoor] - SFE, W&W

[*Arctostaphylos uva-ursi* (L.) Spreng. var. *coactilis* Fernald & J. F. Macbr.] - GPF, HDH

*Azaleastrum* (see **Rhododendron**)

*Chimaphila umbellata* (L.) W.P.C. Barton var. *occidentalis* (Rydb.) S.F. Blake - Dorn01, HDH, UTF, E/W

[*Chimaphila umbellata* (L.) W. P. C. Barton] - GPF

[*Chimaphila umbellata* (L.) W. P. C. Barton subsp. *acuta* (Rydb.) Hultén] - KTZ

[Chimaphila umbellata (L.) W. P. C. Barton var. acuta (Rydb.) S. F. Blake]- HDH, exp.  
[Chimaphila umbellata (L.) W. P. C. Barton subsp. occidentalis (Rydb.) Hultén] - KTZ, SF!, W&W

Gaultheria humifusa (Graham) Rydb. - Dorn01, HDH, KTZ, SF!, UTF, W&W, E/W

Hypopitys (see **Monotropa**)

Kalmia microphylla (Hook.) A. Heller var. microphylla - E/W  
[Kalmia microphylla (Hook.) A. Heller] - Dorn01, KTZ, SF!, UTF, W&W  
[Kalmia polifolia Wang. var. microphylla (Hook.) Rehd.] - HDH

Moneses uniflora (L.) A. Gray var. uniflora - E/W  
[Moneses uniflora (L.) A. Gray] - Dorn01, HDH, KTZ, SF!, W&W  
[Moneses uniflora L.] - UTF  
[Pyrola uniflora L.] - GPF

Monotropa hypopithys L. - GPF, KTZ, E/W  
[Hypopitys monotropa Crantz] - Dorn01, SF!, W&W  
[Monotropa hypopitys L. var. latisquama (Rydb.) Kearney & Peebles] - HDH  
{Monotropa uniflora L.} - M&H, exp., KWA (not exp.), JM (not rep.), HDH, exp., GPF, KTZ  
<KS, NE, OK>

Orthilia secunda (L.) House - Dorn01, KTZ, W&W, E/W  
[Orthilia secunda (L.) House subsp. obtusata (Turcz.) Böcher] - SF!, W&W<sup>1</sup>  
[Orthilia secunda (L.) House subsp. secunda] - SF!  
[Pyrola secunda L.] - GPF, HDH, UTF  
[Ramischia secunda Rydb.] - HDH

{Phyllodoce empetriformis (Sm.) D. Don} - HDH rep., KTZ <AZ,WY>, W&W, misid.

Pterospora andromedea Nutt. - Dorn01, GPF, HDH, KTZ, SF!, UTF, W&W, E/W

Pyrola (see also **Moneses, Orthilia**)

(Identification sources: \_\_\_\_\_)

Pyrola asarifolia Michx. var. asarifolia - HDH, E/W  
[Pyrola asarifolia Michx.] - Dorn01, GPF, UTF  
[Pyrola asarifolia Michx. subsp. asarifolia] - KTZ  
[Pyrola asarifolia Michx. var. purpurea (Bunge) Fernald] - HDH  
[Pyrola rotundifolia L. subsp. asarifolia (Michx.) A. Löve] - SF!  
[Pyrola rotundifolia L. subsp. asarifolia (Michx.) A. Löve & D. Löve] - W&W

Pyrola chlorantha Sw. var. chlorantha - E/W  
[Pyrola chlorantha Sw.] - Dorn01, HDH, KTZ, SF!, UTF, W&W

{Pyrola elliptica Nutt.} - KWA, KTZ, M&H  
[WJ - a northeastern species that appears to reach the Black Hills; specimens from our area probably misidentified and likely P. chlorantha]

Pyrola minor L. - Dorn01, HDH, KTZ, SF!, UTF, W&W, E/W

Pyrola picta Sm. var. picta - Dorn01, E/W  
[Pyrola picta Sm.] - GPF, HDH, KTZ, SF!, UTF, W&W

◆ *Rhododendron albiflorum* Hook. var. *warrenii* (A. Nelson) M. A. Lane - **ENDEMIC** <CO>, KTZ, E/W

[*Azaleastrum albiflorum* (Hook.) Rydb.] - W&W

[*Azaleastrum albiflorum* (Hook.) Rydb. subsp. *warrenii* (A. Nelson) W. A. Weber] - SF!, W&W<sup>1</sup>

[*Rhododendron albiflorum* Hook.] - HDH

*Vaccinium cespitosum* Michx. - Dorn01, SF!, W&W, E/W

[*Vaccinium caespitosum* Michx.] - HDH, UTF

[*Vaccinium cespitosum* Michx. var. *cespitosum*] - KTZ

*Vaccinium globulare* Rydb. - W&W<sup>1</sup>

[*Vaccinium membranaceum* Dougl.] - UTF

[*Vaccinium membranaceum* Dougl. ex Torr.] - KTZ<AZ, UT, WY>

*Vaccinium myrtillus* L. var. *oreophilum* (Rydb.) Dorn - Dorn01, KTZ, E/W

[*Vaccinium myrtillus* L.] - HDH, UTF

[*Vaccinium myrtillus* L. subsp. *oreophilum* (Rydb.) A. Löve & D. Löve] - SF!, W&W

{*Vaccinium occidentale* A. Gray} -SFW, exp.

*Vaccinium scoparium* Leiberg ex Coville - Dorn01, KTZ, W&W, E/W

[*Vaccinium scoparium* Leiberg] - GPF, HDH, SF!, UTF

## **Euphorbiaceae - EUP** (see also **PLL**)

(Identification sources: \_\_\_\_\_)

### Agaloma (see **Euphorbia**)

*Argythamnia humilis* (Engelm. & A. Gray) Müll. Arg. var. *humilis* - GPF, KTZ, E

[*Argythamnia humilis* (Engelm. & A. Gray) Müll. Arg.] - SFE, W&W

[*Ditaxis humilis* (Engelm. & A. Gray) Pax] - HDH

*Argythamnia mercurialina* (Nutt.) Müll. Arg. var. *mercurialina* - KTZ, E

[*Argythamnia mercurialina* (Nutt.) Müll. Arg.] - GPF, SFE, W&W

[*Ditaxis mercurialina* (Nutt.) J. M. Coult.] - HDH

### Chamaesyce

(Identification sources: \_\_\_\_\_)

Δ*Chamaesyce albomarginata* (Torr. & A. Gray) Small - IMF, KTZ, W&W, misid.

[*Euphorbia albomarginata* Torr. & A. Gray] - GPF <CO>, HDH, exp., UTF

*Chamaesyce chaetocalyx* (Boiss.) Wooton & Standl. var. *chaetocalyx* - KTZ

*Chamaesyce fendleri* (Torr. & A. Gray) Small - Dorn01, IMF, KTZ, SF!, W&W, E/W

[*Euphorbia fendleri* Torr. & A. Gray] - GPF, UTF

[*Euphorbia fendleri* Torr. & A. Gray var. *fendleri*] - HDH

*Chamaesyce geyeri* (Engelm.) Small - Dorn01, SFE, W&W, E

[*Chamaesyce geyeri* (Engelm.) Small var. *geyeri*] - KTZ

[*Euphorbia geyeri* Engelm.] - GPF, HDH

[*Euphorbia geyeri* Engelm. var. *geyeri*] - RMC

*Chamaesyce glyptosperma* (Engelm.) Small - Dorn01, IMF, KTZ, SF!, W&W, E/W

[*Euphorbia glyptosperma* Engelm.] - GPF, HDH, UTF

*Chamaesyce lata* (Engelm.) Small - KTZ, SFE, W&W, E

- [*Euphorbia lata* Engelm.] - GPF, HDH  
*Chamaesyce maculata* (L.) Small - Dorn01, IMF, KTZ, E  
 [*Chamaesyce supina* (Raf.) Moldenke] - SFE, W&W<sup>1</sup>  
 [*Euphorbia maculata* L.] - GPF, UTF, W&W, out of range  
 {*Chamaesyce micromera* (Boiss. ex Engelm.) Wooton & Standl.} - IMF,KTZ  
 {*Euphorbia micromera* Boiss. ex Engelm.} - HDH, exp.  
*Chamaesyce missurica* (Raf.) Shinnery - KTZ, SFE, W&W, E  
 [*Euphorbia missurica* Raf.] - GPF  
 [*Euphorbia missurica* Raf. var. *intermedia* (Engelm.) Wheeler] - HDH  
 [*Euphorbia missurica* Raf. var. *petaloidea* (Engelm.) Dorn] - Dorn01  
*Chamaesyce nutans* (Lag.) Small - Dorn01, KTZ  
 [*Chamaesyce maculata* auct. non (L.) Small] - KTZ  
 [*Chamaesyce preslii* (Guss.) Arthur] - KTZ  
 [*Euphorbia maculata* auct. non L.] - KTZ  
 [*Euphorbia nutans* Lag.] - KTZ  
 [*Euphorbia preslii* Guss.] - KTZ  
*Chamaesyce parryi* (Engelm.) Rydb. - IMF, KTZ, SFW, W&W, W  
 [*Euphorbia parryi* Engelm.] - HDH rep., UTF  
 Δ*Chamaesyce prostrata* (Aiton) Small - Dorn01, IMF, KTZ  
 [*Euphorbia prostrata* Ait.] - GPF, UTF  
*Chamaesyce revoluta* (Engelm.) Small - IMF, KTZ, SF!, W&W, E/W  
 [*Euphorbia revoluta* Engelm.] - GPF, HDH, UTF  
 Δ*Chamaesyce serpens* (Kunth) Small - Dorn01, KTZ, SFE, W&W, E  
 [*Euphorbia serpens* Kunth] - GPF, HDH, RMC  
 ∴ *Chamaesyce serpyllifolia* (Pers.) Small - Dorn01, IMF, SF!, W&W, E/W  
 [*Chamaesyce serpyllifolia* (Pers.) Small subsp. *serpyllifolia*] - KTZ  
 [*Euphorbia serpyllifolia* Pers.] - GPF, UTF  
 [*Euphorbia serpyllifolia* Pers. var. *serpyllifolia*] - HDH  
 {*Chamaesyce serrula* (Engelm.) Wooton & Standl.} - KTZ  
 {*Euphorbia serrula* Engelm.} - HDH, exp.  
*Chamaesyce stictospora* (Engelm.) Small - Dorn01, KTZ, SFE, W&W, E  
 [*Euphorbia stictospora* Engelm.] - GPF, HDH
- Croton pottsii* (Klotzsch) Müll. -Arg. var. *pottsii* - KWA, KTZ, JM (not rep.)  
 [*Croton corymbulosus* Engelm.] - KWA, KTZ  
 [*Croton eremophilus* Wooton & Standley] - KWA  
*Croton texensis* (Klotzsch) Müll.-Arg. - Dorn01, GPF, HDH, SF!, W&W, E/W  
 [*Croton texensis* (Klotzsch) Müll. Arg. var. *texensis*] - IMF, KTZ, UTF

Ditaxis (see **Argythamnia**)

Euphorbia

(Identification sources: \_\_\_\_\_)

Euphorbia (see also **Chamaesyce**)

*Euphorbia agraia* Bieb. - Dorn01, KTZ

*Euphorbia brachycera* Engelm. - IMF, KTZ, UTF, E/W

[*Euphorbia brachycera* Engelm. var. *robusta* (Engelm.) Dorn] - Dorn01

[*Euphorbia robusta* (Engelm.) Small] - GPF, HDH, KTZ

[*Tithymalus brachyceras* (Engelm.) Small] - SF!, W&W

- {*Euphorbia crenulata* Engelm.} - HDH, IMF, KTZ, W  
 {WJ - This species is native to CA and OR (see Jepson Manual). Presence in CO based on old specimen at COLO from Montezuma Co. that is *E. brachycera* in my opinion. A disjunction from 100 years ago is unlikely; species is not mentioned by other floras of the surrounding states}  
 {*Tithymalus crenulatus* (Engelm.) A. Heller} - SFW, W&W
- ∴ *Euphorbia cyparissias* L. - Dorn01, GPF, HDH, IMF, KTZ, UTF, E  
 [*Tithymalus cyparissias* (L.) Lam.] - SFE, W&W
- Euphorbia dentata* Michx. - Dorn01, GPF, UTF, E/W  
 [*Euphorbia davidii* Subils] - IMF, KTZ  
 [*Euphorbia dentata* Michx. var. *cuphosperma* Engelm.] - HDH  
 [*Euphorbia dentata* Michx. var. *dentata*] - HDH, KTZ  
 [*Poinsettia dentata* (Michx.) Klotzsch & Garcke] - SF!, W&W
- ∴ *Euphorbia esula* L. var. *esula* - Dorn01, KTZ, E/W  
 [*Euphorbia esula* L.] - GPF, HDH, IMF, UTF  
 [*Euphorbia* x *pseudovirgata* (Schur) Soó] - GPF  
 [*Euphorbia esula* X *E. virgata*] - GPF  
 [*Tithymalus esula* (L.) Scopoli] - SF!, W&W
- ∴ *Euphorbia esula* L. var. *uralensis* (Fisch. ex Link) Dorn - Dorn01, KTZ, E/W  
 [*Euphorbia uralensis* Fisch. ex Link] - GPF  
 [*Tithymalus uralensis* (Fisch.) Prokhanov] - SF!  
 [*Tithymalus uralensis* (Fisch. ex Link) Prokhanov] - W&W
- Euphorbia exstipulata* Engelm. - Dorn01, GREE (*Harmon 9507* for CO; *Hazlett 12212* for NM),  
 Smith09?, KTZ  
 [*Euphorbia exstipulata* Engelm. var. *lata* Warnock & M. C. Johnston] - KTZ
- Euphorbia hexagona* Nutt. ex Spreng. - HDH, KTZ, E  
 [*Euphorbia hexagona* Nutt.] - GPF, IMF  
 [*Zygophyllum hexagonum* (Nutt.) Small] - SFE, W&W
- Euphorbia helioscopia* L. - Dorn01  
 [*Galarhoeus helioscopia* (L.) Haw.] - KTZ  
 [*Tithymalus helioscopia* (L.) Hill] - KTZ
- Euphorbia incisa* Engelm. var. *mollis* (Norton) Wheeler - KTZ, W  
 [*Euphorbia incisa* Engelm.] - IMF  
 [*Tithymalus incisus* (Engelm.) W. A. Weber] - W&W  
 [*Tithymalus incisus* (Engelm.) Norton var. *mollis* W. A. Weber] - SFW
- Euphorbia marginata* Pursh - Dorn01, GPF, HDH, IMF, KTZ, UTF, E/W  
 [*Agaloma marginata* (Pursh) A. Löve & D. Löve] - SF!, W&W
- ∴ *Euphorbia myrsinites* L. - IMF, KTZ, UTF, E  
 [*Tithymalus myrsinites* (L.) Hill] - SFE, W&W
- {*Euphorbia nephradenia* Barneby} - IMF, KTZ <UT>, UTF <CO>  
 [WJ - Reported presence in CO based entirely on report in IMF. I've seen no specimens in CO; its presumed presence in Montezuma Co. would be a substantial range disjunction from sw UT]
- ∴ *Euphorbia peplus* L. - GPF, IMF, KTZ, UTF, E  
 [WJ - Collected once in CO in Golden. L. Yeatts has collected Golden area for 30 years and never encountered it. Probably a non-persistent waif]  
 [*Tithymalus peplus* (L.) Hill] - SFE, W&W
- Euphorbia spatulata* Lam. - Dorn01, GPF, IMF, KTZ, UTF, E/W  
 [*Euphorbia dictyosperma* Fisch. & C. A. Mey.] - HDH  
 [*Tithymalus spatulatus* (Lam.) W. A. Weber] - SF!, W&W

**Poinsettia (see *Euphorbia*)**

**Reverchonia (see *PLL*)**

*Stillingia sylvatica* Garden ex L. subsp. *sylvatica* - KTZ, E  
[*Stillingia sylvatica* L.] - SFE, GPF  
[*Stillingia sylvatica* Garden ex L.] - HDH, W&W

Tithymalus (see **Euphorbia**)

{*Tragia nepetifolia* Cav.} - HDH, W&W, misapp.  
{*Tragia betonicifolia* Nutt.} - GPF  
{*Tragia nepetifolia* Cav. var. *dissecta* Müll. Arg.} - KTZ  
*Tragia ramosa* Torr. - GPF, IMF, KTZ, SF!, UTF, E/W  
[*Tragia ramosa* (Müll. Arg.) Torr.] - W&W

Zygophyllidium (see **Euphorbia**)

**Fabaceae - FAB (= Leguminosae, including Caesalpiniaceae, Mimosaceae)**

(Identification sources: \_\_\_\_\_)

∴ *Alhagi maurorum* Medik. - IMF, KTZ, W&W<sup>1</sup>, NNL  
[*Alhagi camelorum* Fisch.] - W&W  
[*Alhagi macrourum* Medik.] - UTF

*Amorpha canescens* Pursh - Dorn01, GPF, HDH, KTZ, SFE, UTF, W&W, E  
[*Amorpha canescens* Nutt.] - IMF  
[*Amorpha canescens* Nutt. ex Pursh] - NNL

*Amorpha fruticosa* L. - Dorn01, GPF, IMF, KTZ, NNL, UTF, W&W, E  
[*Amorpha fruticosa* L. var. *angustifolia* Pursh] - SFE, HDH  
[*Amorpha fruticosa* L. var. *occidentalis* (Abrams) Kearney & Peebles] - HDH, rep.

*Amorpha nana* Nutt. - GPF, HDH, KTZ, NNL, SFE, W&W, E

*Apios americana* Medik. - GPF, KTZ, NNL, SFE, W&W, E

Astragalus

(Identification sources: \_\_\_\_\_)

*Astragalus adsurgens* Pall. var. *robustior* Hook. - GPF, IMF, NNL, SFE, W&W, E/W  
[*Astragalus adsurgens* Pall.] - SFW  
[*Astragalus adsurgens* Pall. subsp. *robustior* (Hook.) S. L. Welsh] - UTF  
[*Astragalus laxmannii* Lam.] - W&W<sup>1</sup>  
[*Astragalus laxmannii* Jacq. var. *robustior* (Hook.) S. L. Welsh & Barneby] - Dorn01, KTZ  
[*Astragalus striatus* Nutt. ex Torr. & A. Gray] - HDH  
[*Astragalus sulphurescens* Rydb.] - HDH

*Astragalus agrestis* Douglas ex G. Don - Dorn01, GPF, HDH, IMF, KTZ, NNL, W&W, E/W  
[*Astragalus agrestis* Douglas] - SF!

*Astragalus albulus* Woot. & Standl. - FCF, NNL

*Astragalus alpinus* L. var. *alpinus* - KTZ, NNL, E/W  
[*Astragalus alpinus* L.] - Dorn01, GPF, HDH, IMF, SF!, UTF, W&W

*Astragalus americanus* (Hook.) M. E. Jones - GPF, KTZ, NNL, SFE, W&W, E



[*Astragalus frigidus* (L.) A. Gray var. *americanus* (Hook.) S. Watson] - W&W<sup>1</sup>  
*Astragalus amphioxys* A. Gray var. *amphioxys* - FCF, NNL  
 [*Astragalus amphioxys* var. *melanocalyx* (Rydb.) Tidestrom] - KTZ  
*Astragalus amphioxys* A. Gray var. *vespertinus* (E. Sheld.) M. E. Jones - HDH, IMF, KTZ, NNL, SFW, UTF, W&W, W  
 ♦ *Astragalus anisus* M. E. Jones - **ENDEMIC <CO>**, HDH, KTZ, NNL, SFW, W&W, W  
*Astragalus aretioides* (M. E. Jones) Barneby - IMF, KTZ, UTF, W  
 [*Astragalus sericoleucus* A. Gray var. *aretioides* M. E. Jones] - HDH  
 [*Orophaca aretioides* (M. E. Jones) Rydb.] - NNL, SFW, W&W  
*Astragalus argophyllus* Nutt. var. *argophyllus* - Dorn01  
 [*Astragalus argophyllus* Nutt. ex T. & G. var. *argophyllus*] - NNL  
 [*Xylophacos argophyllus* (Nutt.) Rydb.] - KTZ  
*Astragalus argophyllus* Nutt. var. *martinii* M. E. Jones - IMF, KTZ, SFW, W  
 [*Astragalus argophyllus* Nutt. var. *pephragmenoides* Barneby]  
 [*Astragalus argophyllus* Nutt. ex Torr. & A. Gray var. *martinii* M. E. Jones] - NNL, UTF, W&W  
 [*Astragalus argophyllus* Nutt. ex Torr. & A. Gray var. *pephragmenoides* Barneby] - HDH, W&W  
*Astragalus asclepiadoides* M. E. Jones - HDH, IMF, KTZ, NNL, SFW, UTF, W&W, W  
*Astragalus australis* (L.) Lam. var. *glabriusculus* (Hook.) Isely - Dorn01, IMF, NNL, W&W<sup>1</sup>, E/W  
 [*Astragalus aboriginum* Richardson] - GPF  
 [*Astragalus aboriginum* Richardson var. *aboriginum*] - HDH  
 [*Astragalus aboriginum* Richardson var. *fastigiorum* M. E. Jones] - SF!, W&W  
 [*Astragalus aboriginum* Richardson var. *glabriusculus* (Hook.) Rydb.] - HDH, SFE, W&W  
 [*Astragalus australis* (L.) Lam.] - KTZ  
 [*Astragalus australis* (L.) Lam. subsp. ?] - W&W<sup>1</sup>  
 [*Astragalus australis* Fisch. var. *glabriusculus* (Hook.) Isely] - UTF  
*Astragalus barrii* Barneby - Dorn01  
 [*Orophaca barrii* (Barneby) Isley] - KTZ, NNL  
*Astragalus bisulcatus* (Hook.) A. Gray var. *bisulcatus* - Dorn01, IMF, KTZ, NNL, UTF, E/W  
 [*Astragalus bisulcatus* A. Gray] - W&W  
 [*Astragalus bisulcatus* (Hook.) A. Gray] - GPF, HDH, W&W<sup>1</sup>  
 [*Astragalus diholcos* Tidestr.] - HDH  
*Astragalus bisulcatus* (Hook.) A. Gray var. *haydenianus* (A. Gray) Barneby - Dorn01, KTZ, E/W  
 [*Astragalus bisulcatus* (Hook.) A. Gray var. *haydenianus* (A. Gray ex Brandege) Barneby] - IMF, NNL  
 [*Astragalus haydenianus* A. Gray] - HDH, SF!, W&W  
*Astragalus bisulcatus* (Hook.) A. Gray var. *major* (M. E. Jones) S. L. Welsh - Dorn01, KTZ, NNL  
*Astragalus bodinii* E. Sheld. - Dorn01, GPF, HDH, IMF, KTZ, NNL, SFE, UTF, W&W, E  
*Astragalus brandegeei* Porter - HDH, IMF, KTZ, NNL, SF!, UTF, W&W, E/W  
*Astragalus calycosus* Torr. ex S. Watson var. *calycosus* - IMF, KTZ, NNL, UTF, W&W  
 [*Astragalus calycosus* Torr.] - Dorn01, HDH  
*Astragalus calycosus* Torr. ex S. Watson var. *scaposus* (A. Gray) M. E. Jones - IMF, KTZ, NNL, UTF, W&W, W  
 [*Astragalus calycosus* Torr.] - HDH  
 [*Astragalus calycosus* A. Gray var. *scaposus* M. E. Jones] - SFW  
 [*Astragalus calycosus* Torr. ex S. Watson var. *scaposus* M. E. Jones] - W&W<sup>1</sup>  
*Astragalus canadensis* L. var. *brevidens* (Gand.) Barneby - Dorn01, IMF, KTZ, NNL, SFW, W  
*Astragalus canadensis* L. var. *canadensis* - Dorn01, HDH, IMF, KTZ, NNL, UTF, W&W, E  
 [*Astragalus canadensis* L.] - GPF, SFE  
*Astragalus canadensis* L. var. *mortonii* (Nutt.) S. Watson - HDH, IMF, KTZ, NNL, W&W  
 [*Astragalus canadensis* L. var. *brevidens* (Gand.) Barneby] - RMC

Astragalus ceramicus E. Sheld. var. ceramicus - HDH, IMF, KTZ, NNL, SFW, UTF, W&W, W  
 [Astragalus ceramicus E. Sheld. var. imperfectus E. Sheld.] - HDH

Astragalus ceramicus E. Sheld. var. filifolius (A. Gray) F. J. Herm. - Dorn01, GPF, IMF, KTZ, NNL, SF!, W&W, E/W

◆ Astragalus cerussatus E. Sheld. - **ENDEMIC** <CO>, NNL, HDH, KTZ, SF!, W&W, E/W

Astragalus chamaeleuce A. Gray var. chamaeleuce - IMF, KTZ, NNL, UTF, W  
 [Astragalus chamaeleuce A. Gray] - Dorn01, HDH, SFW, W&W

Astragalus chloödes Barneby - IMF, NNL  
 [Astragalus chloodes Barneby] - KTZ <UT>, UTF

Astragalus cibarius E. Sheld. - Dorn01, IMF, KTZ, NNL, SFW, UTF, W&W, W

∴ Astragalus cicer L. - Dorn01, IMF, KTZ, NNL, SF!, UTF, W&W, E/W

Astragalus coltonii M. E. Jones var. moabensis M. E. Jones - Dorn01, HDH, IMF, KTZ, NNL, SFW, UTF, W&W, W

Astragalus convallarius Greene var. convallarius - IMF, KTZ, NNL, UTF, W&W, W  
 [Astragalus convallarius Greene] - Dorn01, SFW  
 [Astragalus diversifolius A. Gray] - Dorn01 (uncertain for WY as taxon separate from A. c. var. c.), HDH

Astragalus convallarius Greene var. scopulorum Barneby - IMF, KTZ, NNL, SFE, W&W, E

Astragalus crassicaarpus Nutt. var. cavus Barneby - NNL, KWA, KTZ, M&H, JM, not rep.

Astragalus crassicaarpus Nutt. var. crassicaarpus - Dorn01, GPF, KTZ, NNL, W&W, E  
 [Astragalus crassicaarpus Nutt.] - HDH, SFE

Astragalus crassicaarpus Nutt. var. paysonii (Kelso) Barneby - Dorn01, GPF, KTZ, NNL, W&W, E  
 [Astragalus crassicaarpus Nutt.] - SFE  
 [Astragalus succulentus Richardson] - HDH

Astragalus cronquistii Barneby - IMF, KTZ, NNL, SFW, UTF, W&W, W

◆ Astragalus debequaeus S. L. Welsh - **ENDEMIC** <CO>, KTZ, SFW, W&W, W  
 [Astragalus eastwoodae M. E. Jones] - W&W<sup>1</sup>  
 [Astragalus eastwoodae M. E. Jones var. debequaeus (S. L. Welsh) Isely] - NNL

Astragalus desperatus M. E. Jones var. desperatus - IMF, KTZ, NNL, UTF, W  
 [Astragalus desperatus M. E. Jones] - HDH, SFW, W&W  
 [Astragalus desperatus M. E. Jones var. neeseae Barneby] - IMF, KTZ, W&W<sup>1</sup>  
 [Astragalus equisolensis Neese & S. L. Welsh] - UTF

◆ Astragalus deterior (Barneby) Barneby - **ENDEMIC** <CO>, KTZ, NNL, SFW, W&W, W  
 [Astragalus naturitensis Payson var. deterior Barneby] - HDH

Astragalus detritalis M. E. Jones - HDH, IMF, KTZ, NNL, UTF, W&W, W  
 [Astragalus detritalis Barneby] - SFW

Astragalus drummondii Douglas ex Hook. - Dorn01, NNL, GPF, IMF, KTZ, UTF, W&W, E/W  
 [Astragalus drummondii Douglas] - HDH, SF!

Astragalus duchesnensis M. E. Jones - HDH rep., IMF, KTZ, NNL, SFW, UTF, W&W, W

Astragalus eastwoodiae M. E. Jones - IMF, KTZ, SFW, UTF, W&W, W  
 [Astragalus eastwoodae M. E. Jones var. eastwoodae] - NNL  
 [Astragalus preussii A. Gray var. eastwoodiae (M. E. Jones) M. E. Jones] - HDH

Astragalus eucosmus B. L. Rob. - Dorn01, HDH, IMF, KTZ, NNL, SF!, UTF, W&W, E/W

∴ Astragalus falcatus Lam. - IMF, KTZ, NNL, SF!, UTF, W&W, E/W

Astragalus flavus Nutt. - Dorn01, IMF, KTZ, SFW, W&W, W  
 [Astragalus confertiflorus A. Gray var. confertiflorus] - HDH  
 [Astragalus confertiflorus A. Gray var. flaviflorus (Kuntze) M. E. Jones] - HDH  
 [Astragalus flavus Nutt. var. flavus] - NNL  
 [Astragalus flavus Nutt. ex Torr. & A. Gray var. flavus] - UTF

Astragalus flexuosus (Hook.) Douglas ex G. Don var. diehlii (M. E. Jones) Barneby - KTZ, E/W

- [*Astragalus flexuosus* (Hook.) G. Don] - GPF, SFE  
 [*Astragalus flexuosus* Douglas ex Hook. var. *diehlii* (M. E. Jones) Barneby] - HDH  
 [*Astragalus flexuosus* (Hook.) G. Don var. *diehlii* (M. E. Jones) Barneby] - IMF, NNL, UTF, W&W  
*Astragalus flexuosus* (Hook.) Douglas ex G. Don var. *flexuosus* - KTZ, E/W  
 [*Astragalus flexuosus* (Hook.) Douglas] - SFW  
 [*Astragalus flexuosus* (Hook.) G. Don] - SFE, GPF  
 [*Astragalus flexuosus* (Hook.) G. Don var. *flexuosus*] - IMF, NNL, UTF, W&W  
 [*Astragalus flexuosus* Douglas ex Hook. var. *flexuosus*] - HDH  
*Astragalus flexuosus* (Hook.) Dougl. ex G. Don var. *greenei* (A. Gray) Barneby - KTZ  
 [*Astragalus flexuosus* (Hook.) Dougl.] - SF!  
 [*Astragalus flexuosus* (Hook.) G. Don] - GPF  
 [*Astragalus flexuosus* (Hook.) G. Don var. *greenei* (A. Gray) Barneby] - KTZ, NNL  
*Astragalus fucatus* Barneby - IMF <CO>, KTZ, NNL, SFW, W&W, W  
*Astragalus geyeri* A. Gray var. *geyeri* - IMF, KTZ, NNL, W  
 [*Astragalus geyeri* A. Gray] - Dorn01, SFW, UTF, W&W  
*Astragalus gilviflorus* E. Sheld. var. *gilviflorus* - Dorn01, KTZ, E  
 [*Astragalus gilviflorus* E. Sheld.] - GPF, IMF, UTF  
 [*Orophaca triphylla* Britton] - SFE, W&W  
 [*Orophaca triphylla* (Eat. & J. Wright) Britton] - NNL  
*Astragalus gracilis* Nutt. - Dorn01, GPF, HDH, KTZ, NNL, SFE, W&W, E  
 [*Astragalus parviflorus* (Pursh) Nutt.] - HDH  
*Astragalus grayi* Parry ex S. Wats. - Dorn01, KTZ  
*Astragalus hallii* A. Gray var. *hallii* - IMF, KTZ, NNL, E/W  
 [*Astragalus hallii* A. Gray] - HDH, SF!, W&W  
*Astragalus hamiltonii* Ced. Porter - IMF, KTZ, UTF  
 [*Astragalus lonchocarpus* Torr. var. *hamiltonii* (Ced. Porter) Isely] - NNL, W&W  
*Astragalus humillimus* A. Gray - KTZ, SFW, W&W, W  
 [*Astragalus humillimus* A. Gray ex Brandegees] - IMF, NNL  
*Astragalus humistratus* A. Gray - HDH, KTZ <AZ, NM, UT>, W&W, misid.  
 [*Astragalus humistratus* A. Gray var. *humistratus*] - IMF <C0>, NNL  
*Astragalus hyalinus* M. E. Jones - Dorn01, GPF, HDH, KTZ, E  
 [*Orophaca hyalina* M. E. Jones] - SFE  
 [*Orophaca hyalina* (M. E. Jones) Isely] - NNL, W&W  
 ♦ *Astragalus iodopetalus* (Rydb.) Barneby - **ENDEMIC** <CO, NM>, KTZ, NNL, W  
 [*Astragalus iodopetalus* Greene ex Barneby] - HDH  
 [*Astragalus iodopetalus* (Greene) Barneby] - SFW  
 [*Astragalus iodopetalus* (Greene ex Rydb.) Barneby] - W&W  
*Astragalus jejunus* S. Watson var. *jejunus* - Dorn01, KTZ, W  
 [*Astragalus jejunus* S. Watson] - IMF, NNL, SFW, UTF, W&W  
*Astragalus kentrophyta* A. Gray var. *elatus* S. Watson - IMF, KTZ, NNL, UTF, W  
 [*Astragalus kentrophyta* A. Gray] - HDH  
 [*Astragalus kentrophyta* A. Gray subsp. *elatus* (S. Watson) W. A. Weber] - SFW, W&W  
*Astragalus kentrophyta* A. Gray var. *jessiae* (Peck) Barneby - WY checklist  
 [*Astragalus jessiae* M. E. Peck] - KTZ  
 [*Astragalus kentrophyta* A. Gray subsp. *jessiae* (M.E. Peck) W.A. Weber] - KTZ, NNL  
*Astragalus kentrophyta* A. Gray var. *kentrophyta* - NNL, IMF, KTZ, E  
 [*Astragalus kentrophyta* A. Gray] - GPF, HDH  
 [*Astragalus kentrophyta* A. Gray subsp. *kentrophyta*] - SFE, W&W  
*Astragalus kentrophyta* A. Gray var. *tegetarius* (S. Watson) Dorn - IMF, KTZ, UTF, E/W  
 [*Astragalus kentrophyta* A. Gray subsp. *implexus* (Canby ex Porter & J. M. Coult.) W. A. Weber] - W&W  
 [*Astragalus kentrophyta* A. Gray subsp. *implexus* (Canby) W. A. Weber] - SF!  
 [*Astragalus kentrophyta* A. Gray var. *implexus* (Porter & J. M. Coult.) Barneby] - NNL  
 [*Astragalus kentrophyta* A. Gray var. *implexus* (Canby ex Porter & J. M. Coult.) Barneby] - KTZ

- [*Astragalus tegetarius* S. Watson] - HDH
- Astragalus lentiginosus* Douglas ex Hook. var. *chartaceus* M. E. Jones - Dorn01, IMF, KTZ  
 [*Astragalus lentiginosus* Douglas ex Hook. var. *platyphyllidius* (Rydb.) Barneby] - UTF  
 [*Astragalus lentiginosus* Douglas ex Hook. var. *platyphyllidius* (Rydb.) M. Peck] - NNL, W&W  
 [*Astragalus lentiginosus* Douglas ex Hook. var. *aranosus* (E. Sheld.) Barneby] - UTF
- Astragalus lentiginosus* Douglas ex Hook. var. *diphysus* (A. Gray) M. E. Jones - IMF, KTZ, UTF, W&W  
 [*Astragalus lentiginosus* Douglas ex Hook. var. *albiflorus* (A. Gray) Schoener] - NNL, W&W<sup>1</sup>  
 [*Astragalus lentiginosus* Douglas var. *diphysus* (A. Gray) M. E. Jones] - HDH
- Astragalus lentiginosus* Douglas ex Hook. var. *palans* (M. E. Jones) M. E. Jones - IMF, KTZ, UTF, W&W, W  
 [*Astragalus lentiginosus* Douglas ex Hook. var. *palans* (A. Gray) M. E. Jones]  
 [*Astragalus lentiginosus* Douglas var. *palans* (A. Gray) M. E. Jones] - SFW  
 [*Astragalus lentiginosus* Douglas var. *palans* (M. E. Jones) M. E. Jones] - HDH, NNL
- Astragalus leptaleus* A. Gray - Dorn01, HDH, KTZ, NNL, SF!, W&W, E/W
- ◆ *Astragalus linifolius* Osterh. - **ENDEMIC** <CO>, IMF, KTZ, NNL, SFW, W&W, W  
 [*Astragalus toanus* M. E. Jones] - HDH
- Astragalus lonchocarpus* Torr. - HDH, IMF, KTZ, SF!, UTF, E/W  
 [*Astragalus lonchocarpus* Torr. var. *lonchocarpus*] - NNL, W&W
- Astragalus lotiflorus* Hook. - Dorn01, GPF, HDH, KTZ, NNL, SFE, W&W, E
- Astragalus lutosus* M. E. Jones - HDH, IMF, KTZ, NNL, SFW, UTF, W&W, W
- Astragalus megacarpus* (Nutt.) A. Gray var. *megacarpus* - UT3  
 [*Astragalus megacarpus* (Nutt.) A. Gray] - Dorn01, HDH, exp., IMF, KTZ, NNL, SFW, W&W, W  
 [*Astragalus megacarpus* (Nutt.) A. Gray var. *megacarpus*] - UTF
- ◆ *Astragalus megacarpus* (Nutt.) A. Gray var. *neeseae* S. Welsh - **ENDEMIC** <CO>, UT3
- ◆ *Astragalus microcymbus* Barneby - **ENDEMIC** <CO>, KTZ, NNL, SFW, W&W, W
- Astragalus miser* Douglas var. *oblongifolius* (Rydb.) Cronquist - Dorn01, KTZ, NNL, SF!, W&W, E/W  
 [*Astragalus miser* Douglas ex Hook. var. *decumbens* (Nutt.) Cronquist] - Dorn01  
 [*Astragalus miser* Douglas var. *decumbens* (Nutt.) Cronq.] - W&W<sup>1</sup>, err. rep.  
 [*Astragalus miser* Douglas ex Hook. var. *oblongifolius* (Rydb.) Cronquist] - IMF, UTF  
 [*Astragalus decumbens* (Nutt. ex Torr. & A. Gray) A. Gray var. *decumbens*] - HDH  
 [*Astragalus decumbens* (Nutt. ex Torr. & A. Gray) A. Gray var. *decurrens* (Rydb.) Cronquist] - HDH  
 [*Astragalus decumbens* (Nutt. ex Torr. & A. Gray) A. Gray var. *oblongifolius* (Rydb.) Cronquist] - HDH
- Astragalus miser* Douglas var. *praeteritus* Barneby - Dorn01, KTZ  
 [*Astragalus miser* Douglas var. *tenuifolius* (Nutt.) Barneby] - NNL
- Astragalus miser* Douglas var. *tenuifolius* (Nutt.) Barneby - Dorn01, KTZ, NNL
- Astragalus missouriensis* Nutt. var. *amphibolus* Barneby - HDH, IMF, KTZ, NNL, SFW, UTF, W&W, W
- Astragalus missouriensis* Nutt. var. *humistratus* Isely - KTZ, NNL, W&W
- Astragalus missouriensis* Nutt. var. *missouriensis* - HDH, IMF, KTZ, NNL, SFW, UTF, W&W, E/W  
 [*Astragalus missouriensis* Nutt.] - GPF, SFE
- Astragalus mollissimus* Torr. var. *mollissimus* - GPF, IMF, KTZ, NNL, SFE, UTF, W&W, E  
 [*Astragalus mollissimus* Torr.] - Dorn01, HDH
- Astragalus mollissimus* Torr. var. *thompsoniae* (S. Watson) Barneby - IMF, KTZ, SFW, UTF, W&W, W  
 [*Astragalus bigelovii* A. Gray var. *thompsoniae* (S. Watson) M. E. Jones] - HDH  
 [*Astragalus thompsonae* S. Watson] - NNL
- ◆ *Astragalus molybdenus* Barneby - **ENDEMIC** <CO>, HDH, corr. & add., KTZ, NNL, SF!,

W&W, Lavin97, E/W  
 [Astragalus plumbeus Barneby] - HDH  
 Astragalus monumentalis Barneby var. cottamii (S. L. Welsh) Isely –NNL,IMF, KTZ, W&W,  
 W  
 [Astragalus cottamii S. L. Welsh] - UTF  
 [Astragalus monumentalis Barneby] - SFW  
 Astragalus musiniensis M. E. Jones - IMF, KTZ, NNL, SFW, UTF, W&W, W  
 Astragalus naturitensis Payson - IMF, KTZ, NNL, SFW, UTF, W&W, W  
 [Astragalus naturitensis Payson var. naturitensis] - HDH  
 Astragalus nelsonianus Barneby - Dorn01, IMF, KTZ, NNL, SFW, UTF, W&W, W  
 [NS - a "regional endemic" of CO and WY, including parts of UT]  
 Astragalus newberryi A. Gray var. newberryi - IMF, KTZ, NNL, UTF, W  
 [Astragalus newberryi A. Gray] - SFW, W&W  
 Astragalus nuttallianus DC. var. austrinus (Small) Barneby - KWA, M&H, KTZ  
 [Astragalus austrinus (Small) E.D. Schulz] - KTZ  
 [Austsragalus nuttallianus DC. var. austrinus (Small) Shreve & Wiggins] - NNL  
 [Hamosa austrinus Small] - KWA  
 Astragalus nuttallianus DC. var. micranthiformis Barneby -IMF, KTZ, NNL, SF!, UTF, E/W  
 [Astragalus nuttallianus DC.] - HDH  
 [Astragalus nuttallianus DC. var. micranthemiformis Barneby] - W&W  
 {Astragalus nuttallianus DC. var. trichocarpus Torr. & A. Gray} - HDH, KTZ<OK>, NNL,  
 W&W<sup>1</sup>  
 Astragalus oöcalycis M. E. Jones - HDH, KTZ, NNL, W  
 [Astragalus oöcalycis M. E. Jones] - SFW, W&W  
 Astragalus oöphorus S. Watson var. caulescens (M. E. Jones) M. E. Jones - IMF, KTZ, NNL,  
 UTF, W  
 [Astragalus oöphorus S. Watson] - HDH  
 [Astragalus oöphorus M. E. Jones var. caulescens (M. E. Jones) M. E. Jones] - SFW, W&W  
 Astragalus oregonus Nutt. - Dorn01, KTZ  
 ♦Astragalus osterhoutii M. E. Jones - **ENDEMIC** <CO>, HDH, KTZ, NNL, SFW,W&W, W  
 Astragalus parryi A. Gray - Dorn01, HDH, KTZ, NNL, SF!, W&W, E/W  
 Astragalus pattersonii A. Gray - KTZ, NNL, SFW, W&W, W  
 [Astragalus pattersonii A. Gray ex Brandegees] - IMF, NNL, UTF  
 [Astragalus pattersonii A. Gray var. pattersonii] - HDH  
 Astragalus pectinatus (Hook.) Douglas ex G. Don - Dorn01, KTZ, E  
 [Astragalus pectinatus Douglas ex G. Don] - GPF, IMF, UTF  
 [Astragalus pectinatus (Hook.) G. Don] - NNL  
 [Astragalus pectinatus Douglas] - SFE  
 [Astragalus pectinatus (Hook.) Douglas] - HDH, W&W  
 Astragalus piscator Barneby & S. L. Welsh - IMF, KTZ, NNL, SFW, UTF, W&W, W  
 Astragalus plattensis Nutt. - Dorn01, HDH, KTZ, NNL, SFE, E  
 [Astragalus plattensis Nutt. ex Torr. & A. Gray] - GPF, W&W  
 Astragalus praelongus E. Sheld. var. ellisiae (Rydb.) Barneby - GPF, IMF, KTZ, UTF, W&W,  
 W  
 [Astragalus praelongus E. Sheld.] - SFW  
 [Astragalus praelongus E. Sheld. var. praelongus] - NNL  
 Astragalus praelongus E.Sheld. var. lonchopus Barneby - IMF <CO>, KTZ, NNL,UTF  
 <AZ,UT>  
 Astragalus praelongus E. Sheld. var. praelongus - IMF, KTZ, NNL, UTF, W&W, W  
 [Astragalus pattersonii A. Gray var. praelongus (E. Sheld.) M. E. Jones] - HDH  
 [Astragalus praelongus E. Sheld.] - SFW

- [*Astragalus recedens* (Greene ex Rydb.) Ced. Porter] - HDH
- ◆ *Astragalus proimanthus* Barneby - **ENDEMIC** <WY>, Dorn01, KTZ  
[*Orophaca proimanthus* (Barneby) Isley] - KTZ, NNL
- ◆ *Astragalus proximus* (Rydb.) Wooton & Standl. - **ENDEMIC** <CO, NM>, HDH, KTZ, NNL, SFW, W&W, W
- Astragalus pubentissimus* Torr. & A. Gray - Dorn01, IMF, KTZ, SFW, W&W, W  
[*Astragalus pubentissimus* Torr. & A. Gray var. *pubentissimus*] - NNL, UTF
- Astragalus puniceus* Osterh. var. *puniceus* - GPF, KTZ, NNL, E  
[*Astragalus puniceus* Osterh.] - HDH, SFE, W&W
- Astragalus purshii* Douglas ex Hook. var. *purshii* - IMF, KTZ, NNL, UTF, E/W  
[*Astragalus purshii* Douglas] - SF!  
[*Astragalus purshii* Douglas ex Hook.] - Dorn01, GPF, HDH, W&W
- Astragalus racemosus* Pursh var. *longisetus* M. E. Jones - Dorn01, GPF, KTZ, W&W, E  
[*Astragalus racemosus* Pursh] - HDH, NNL, SFE
- Astragalus racemosus* Pursh var. *racemosus* - Dorn01, GPF, IMF, KTZ, NNL, UTF, W&W, E  
[*Astragalus racemosus* Pursh] - HDH, SFE
- Astragalus rafaensis* M. E. Jones - HDH, IMF, KTZ, NNL, SFW, UTF, W&W, W
- Astragalus ripleyi* Barneby - HDH, KTZ, NNL, SFE, W&W, E
- Astragalus robbinsii* (Oakes) A. Gray var. *minor* (Hook.) Barneby - IMF, KTZ, NNL, SFE, W&W, E/W  
[*Astragalus occidentalis* (S. Watson) M. E. Jones] - HDH  
[*Astragalus robbinsii* A. Gray var. *minor* (Hook.) Barneby] - SFW  
[*Astragalus robbinsii* (Oakes) A. Gray] - UTF
- Astragalus saurinus* Barneby - IMF, KTZ <UT>, NNL, SFW, UTF, W
- ◆ *Astragalus schmolliae* Ced. Porter - **ENDEMIC** <CO>, HDH, KTZ, NNL, SFW, W&W, W
- Astragalus scopulorum* Porter - HDH, IMF, KTZ, NNL, SF!, UTF, W&W, E/W
- Astragalus sericoleucus* A. Gray var. *aretioides* M. E. Jones - Dorn01  
[*Astragalus aretioides* (M. E. Jones) Barneby] - KTZ
- Astragalus sericoleucus* A. Gray var. *sericoleucus* - Dorn01, HDH  
[*Astragalus sericoleucus* A. Gray] - GPF, KTZ, E  
[*Orophaca sericea* Nutt.] - SFE  
[*Orophaca sericea* (Nutt.) Britton] - NNL, W&W
- Astragalus sesquiflorus* S. Watson - IMF, KTZ, NNL, SFW, UTF, W&W, W
- Astragalus shortianus* Nutt. - Dorn01, KTZ, NNL, SF!, W&W, E/W  
[*Astragalus shortianus* Nutt. ex Torr. & A. Gray] - GPF, HDH
- ◆ *Astragalus simplicifolius* (Nutt.) A. Gray - **ENDEMIC** <WY>, Dorn01, HDH, IMF, KTZ, W&W<sup>1</sup>, misid.  
{*Astragalus simplicifolius* (Nutt.) Rydb.} - NNL, W&W, misid.
- ◆ *Astragalus sparsiflorus* A. Gray var. *majusculus* A. Gray - **ENDEMIC** <CO>, HDH, KTZ, NNL, E  
[NS - 2 varieties recognized by some, e.g. KTZ]  
[*Astragalus sparsiflorus* A. Gray] - SFE, W&W
- Astragalus sparsiflorus* A. Gray var. *sparsiflorus* - HDH, KTZ, NNL, E  
[*Astragalus sparsiflorus* A. Gray] - SFE, W&W
- Astragalus spatulatus* E. Sheld. - Dorn01, GPF, HDH, IMF, KTZ, NNL, SF!, UTF, W&W, E/W
- Astragalus tenellus* Pursh - Dorn01, GPF, HDH, IMF, KTZ, NNL, SF!, UTF, W&W, E/W  
[Reveal04 recommend that this species now should be called *A. multiflorus* (Pursh) A. Gray]
- Astragalus tephrodes* Gray var. *brachylobus* (Gray) Barneby - NNL, KTZ, M&H, KWA  
[*Astragalus arrectus* var. *pephragmenus* (M.E. Jones) M.E. Jones] - KTZ  
[*Astragalus curtibolus* Tidestrom] - KWA, M&H  
[*Astragalus remulcus* M. E. Jones] - KWA, M&H

[*Astragalus shortianus* Nutt. ex T. & G. var. *brachylobus* Gray] - KWA, M&H

[*Xylophacos brachylobus* (Gray) Rydberg] - KWA, M&H

- ◆ *Astragalus tortipes* J. L. Anderson & J. M. Porter - **ENDEMIC** <CO>, KTZ, NNL, SFW, W&W<sup>1</sup>, W

*Astragalus tridactylus* A. Gray - KTZ, E

[*Astragalus sericoleucus* A. Gray var. *tridactylus* (A. Gray) M. E. Jones] - HDH

[*Orophaca tridactylus* (A. Gray) Rydb.] - NNL, SFE, W&W

*Astragalus vexilliflexus* Sheld. var. *vexilliflexus* - KTZ, NNL

[*Homalobus vexilliflexus* (Sheld.) Rydb.] - Dorn01, KTZ

*Astragalus wetherillii* M. E. Jones - HDH, IMF, KTZ, NNL, SFW, UTF, W&W, W

*Astragalus wingatanus* S. Watson - HDH, IMF, KTZ, NNL, SFW, UTF, W&W, W

*Astragalus wittmannii* Barneby - GREE (*Hazlett 11709* [Harding Co., NM])

*Astragalus wootonii* E. Sheld. var. *wootonii* - W&W, E

[*Astragalus allochrous* A. Gray var. *playanus* Isely] - KTZ

[*Astragalus allochrous* A. Gray var. *playanus* (M. E. Jones) Isely] - NNL, W&W<sup>1</sup>

[*Astragalus wootonii* E. Sheld.] - SFE

*Caesalpinia* (see also **Hoffmanseggia**, **Pomaria**)

*Cassia* (see **Chamaecrista**)

∴ *Caragana arborescens* Lam. - Dorn01, GPF, IMF, KTZ, SFE, UTF, W&W, E

[*Caragana arborescens* (L.) Lam.] - NNL

∴ *Caragana aurantiaca* Koehne - KTZ, NNL, SFE, W&W, E

{*Chamaecrista fasciculata* (Michx.) Greene} - NNL, W&W, rep.

{*Cassia chamaecrista* L.} - GPF <CO>

{*Cassia fasciculata* Michx.} - HDH, exp.

{*Chamaecrista fasciculata* (Michx.) Greene var. *fasciculata*} - KTZ <KS, NE, NM, OK>

∴ *Colutea arborescens* L. - IMF, KTZ, NNL, SFE, UTF, W&W, E

∴ *Coronilla varia* L. - Dorn01, GPF, IMF, KTZ, UTF, E/W

[*Securigera varia* (L.) Lassen] - NNL, SF!, W&W

*Dalea*

(Identification sources: \_\_\_\_\_)

*Dalea albiflora* Gray - NNL, M&H, KTZ, KWA, JM, not rep.

[*Dalea ordiae* Gray] - KTZ

[*Parosela albiflora* (Gray) Vail] - KWA

[*Petalostemon pilosulus* Rydb.] - KTZ

[*Thornbera albiflora* (Gray) Rydb.] - M&H

*Dalea aurea* Nutt. ex Pursh - Dorn01, GPF, KTZ, NNL, W&W, E

[*Dalea aurea* Nutt.] - HDH, SFE

*Dalea candida* Michx. var. *oligophylla* (Torr.) Shinnars - Dorn01, SF!, E/W

[*Dalea candida* Willd. var. *oligophylla* (Torr.) Shinnars] - W&W

[*Dalea candida* Michx. ex Willd. var. *oligophylla* (Torr.) Shinnars] - GPF, IMF, KTZ

[*Dalea occidentalis* (Britton & Kearney) Isely] - NNL

- [*Dalea oligophylla* (Torr.) Shinnery] - UTF  
 [Petalostemon candidus Michx. var. oligophyllus (Torr.) Hermann] - HDH  
*Dalea cylindriceps* Barneby - Dorn01, GPF, KTZ, NNL, SFE, W&W, E  
 [Petalostemon compactus (Spreng.) Swezey] - HDH  
*Dalea enneandra* Nutt. - Dorn01, GPF, HDH, KTZ, NNL, SFE, W&W, E  
*Dalea formosa* Torr. - GPF, HDH, KTZ, NNL, SFE, W&W, E  
*Dalea jamesii* (Torr.) Torr. & A. Gray - GPF, HDH, KTZ, NNL, SFE, W&W, E  
*Dalea lanata* Spreng. var. *lanata* - IMF, KTZ, NNL, UTF, E  
 [Dalea lanata Spreng.] - GPF, HDH, SFE, W&W  
*Dalea lanata* Spreng. var. *terminalis* (M. E. Jones) Barneby - IMF, KTZ, NNL, UTF, E  
 [Dalea lanata Spreng.] - SFE, W&W<sup>1</sup>  
*Dalea leporina* (Aiton) Bullock - GPF, KTZ, NNL, SFE, W&W, E  
 [Dalea leporina (Aiton) Kearney & Peebles var. *alba* (Michx.) Harrington] - HDH  
*Dalea multiflora* (Nutt.) Shinnery - GPF, KTZ, NNL, SFE, W&W, E  
*Dalea nana* Torr. var. *carnescens* (Rydb.) Kearney & Peebles - HDH, W&W, *Hazlett 10763*  
 (COLO)  
 [Dalea nana Torr. ex A. Gray var. *carnescens* (Rydb.) Kearney & Peebles] - KTZ <AZ, NM>, NNL  
*Dalea nana* Torr. & A. Gray var. *nana* - KTZ, E  
 [Dalea nana Torr.] - SFE  
 [Dalea nana Torr. ex A. Gray] - GPF  
 [Dalea nana Torr. var. *nana*] - HDH, W&W  
 [Dalea nana Torr. ex A. Gray var. *nana*] - NNL  
*Dalea polygonoides* A. Gray - Kartesz (pers.comm. 2008), Legler (pers. comm. 2009)  
 [NS - confirmed now for Mora and Colfax cos., NM]  
*Dalea purpurea* Vent. var. *arenicola* (Wemple) Barneby - GPF <CO>, KTZ, NNL  
*Dalea purpurea* Vent. var. *purpurea* - GPF, KTZ, NNL, E  
 [Dalea purpurea Vent.] - Dorn01, SFE, W&W  
 [Petalostemon purpureum (Ventenat) Rydb. var. *pubescens* (A. Nelson) Harrington] - HDH  
 [Petalostemon purpureum (Ventenat) Rydb. var. *purpureum*] - HDH  
*Dalea tenuifolia* (A. Gray) Shinnery - GPF, KTZ, NNL, SFE, W&W, E  
*Dalea villosa* (Nutt.) Spreng. var. *villosa* - KTZ, NNL, E  
 [Dalea villosa Spreng.] - W&W  
 [Dalea villosa (Nutt.) Spreng.] - Dorn01, GPF, SFE  
 [Petalostemon villosus Nutt.] - HDH
- Desmanthus cooleyi* (Eat.) Trel. - GPF, HDH, KTZ, NNL, SFE, W&W, E  
 Δ *Desmanthus illinoensis* (Michx.) MacMill. ex B. L. Rob. & Fernald - KTZ, NNL, W&W<sup>1</sup>, E  
 [WJ - seen in roadside ditches, Bent and Otero cos., apparently introduced]  
 [Desmanthus illinoensis (Michx.) MacMill.] - GPF, HDH, SFE, UTF, W&W
- Desmodium obtusum* (Muhl. ex Willd.) DC. - GPF, KTZ  
 [Desmodium obtusum (Willd.) DC.] - NNL  
 [Desmodium rigidum (Elliott) DC.] - W&W
- Galega officinalis* L. - IMF, KTZ, NNL, UTF
- Δ *Gleditsia triacanthos* L. - Dorn01, GPF, IMF, KTZ, NNL
- Glycyrrhiza lepidota* Pursh - Dorn01, HDH, KTZ, SF!, UTF, W&W  
 [Glycyrrhiza lepidota Nutt. ex Pursh] - E/W



[Glycyrrhiza lepidota Nutt. ex Pursh var. glutinosa (Nutt.) S. Watson] - RMC, NNL  
[Glycyrrhiza lepidota Nutt. ex Pursh var. glutinosa (Nutt. ex Torr. & A. Gray) S. Watson] - IMF  
[Glycyrrhiza lepidota Pursh var. glutinosa (Nutt.) S. Watson] - GPF  
[Glycyrrhiza lepidota Nutt. ex Pursh var. lepidota] - IMF, RMC  
[Glycyrrhiza lepidota Pursh var. lepidota] - GPF, NNL

Hedysarum alpinum L. var. philoscia (A. Nels.) Rollins - NNL  
[Hedysarum alpinum L. var. americanum Michx.] - Dorn01, KTZ  
Hedysarum boreale Nutt. var. boreale - Dorn01, GPF, IMF, NNL, UTF, E/W  
[Hedysarum boreale Nutt.] - HDH, SF!, W&W  
[Hedysarum boreale Nutt. var. boreale] - IMF, UTF  
[Hedysarum boreale Nutt. subsp. boreale var. boreale] - KTZ  
Hedysarum boreale Nutt. var. cinerascens (Rydb.) Rollins - NNL  
[Hedysarum boreale Nutt. subsp. boreale var. boreale] - KTZ  
[Hedysarum boreale Nutt.] - GPF, SF!  
[Hedysarum boreale Nutt. var. boreale] - IMF, UTF  
Hedysarum boreale Nutt. var. pabulare (A. Nels.) Dorn - Dorn01  
Hedysarum occidentale Greene - Dorn01, HDH, IMF, NNL, SF!, W&W, E/W  
[Hedysarum occidentale Greene var. canone S. L. Welsh] - KTZ  
[Hedysarum occidentale Greene var. occidentale] - KTZ, UTF

Hoffmanseggia drepanocarpa A. Gray - GPF, HDH, NNL, SFE, W&W, Simpson99, E  
[Caesalpinia drepanocarpa (A. Gray) E. Fisher] - IMF, KTZ  
Hoffmanseggia glauca (Ortega) Eifert - GPF, KTZ, NNL, SFE, W&W, Simpson99, E  
[Hoffmanseggia densiflora Benth.] - HDH  
Hoffmanseggia repens (Eastw.) Cockerell - NNL, Simpson99  
[Caesalpinia repens Eastw.] - IMF, KTZ, UTF <CO>

## Lathyrus

(Identification sources: \_\_\_\_\_)

Lathyrus brachycalyx Rydb. var. zionensis (C. L. Hitchc.) S. L. Welsh - IMF, NNL, SFW, UTF, W&W, W  
[Lathyrus brachycalyx Rydb. subsp. zionis (C. L. Hitchc.) S. L. Welsh] - KTZ,  
Lathyrus eucosmus Butters & H. St. John - Dorn01, HDH, IMF, KTZ, NNL, SF!, W&W, E/W  
Lathyrus laetivirens Greene ex Rydb. - IMF, KTZ, E/W  
[Lathyrus lanszwertii Kellogg var. laetivirens (Greene) S. L. Welsh] - UTF  
[Lathyrus lanszwertii Kellogg var. laetivirens (Rydb.) S. L. Welsh] - NNL  
[Lathyrus leucanthus Greene] - SFW  
[Lathyrus leucanthus Rydb.] - SFE, W&W  
Lathyrus lanszwertii Kellogg var. lanszwertii - Dorn01, IMF, KTZ, NNL, UTF  
Lathyrus lanszwertii Kellogg var. leucanthus (Rydb.) Dorn - Dorn01, IMF, KTZ, UTF, E/W  
[Lathyrus arizonicus Britton] - HDH  
[Lathyrus lanszwertii Kellogg var. arizonicus (Britton) S. L. Welsh] - NNL  
[Lathyrus leucanthus Greene] - SFW  
[Lathyrus leucanthus Rydb.] - HDH, SFE, W&W  
∴ Lathyrus latifolius L. - GPF, IMF, KTZ, NNL, SF!, UTF, W&W, E/W  
Lathyrus pauciflorus Fernald var. utahensis (M. E. Jones) R. Davis - IMF, W  
[Lathyrus pauciflorus Fernald] - HDH, SFW, W&W  
[Lathyrus pauciflorus Fernald var. utahensis (M. E. Jones) Piper ex M. Peck] - KTZ  
[Lathyrus pauciflorus Fernald var. utahensis (M. E. Jones) Piper ex R. J. Davis] - NNL

[*Lathyrus pauciflorus* Fernald var. *utahensis* (M. E. Jones) M. Peck] - UTF  
*Lathyrus polymorphus* Nutt. var. *incanus* (J. G. Sm. & Rydb. ex Rydb.) Dorn - Dorn01, E  
 [Lathyrus polymorphus Nutt. subsp. *incanus* (J. G. Sm. & Rydb.) C. L. Hitchc.] - GPF, HDH, KTZ, SFE, W&W  
 [Lathyrus polymorphus Nutt. var. *incanus* (J. G. Sm. & Rydb.) Isely] - NNL  
*Lathyrus polymorphus* Nutt. var. *polymorphus* - Dorn01, NNL  
 [Lathyrus polymorphus Nutt. subsp. *polymorphus*] - GPF, HDH, W&W  
 [Lathyrus polymorphus Nutt. subsp. *polymorphus* var. *polymorphus*] - KTZ  
 ∴ *Lathyrus sylvestris* L. - KTZ, UTF3  
 [NS - one naturalized collection at GREE from Boulder CO; naturalized in several other western states (MT, WY, UT, ID, WA, OR)]

∴ *Lotus corniculatus* L. - Dorn01, GPF, IMF, KTZ, NNL, UTF  
 {*Lotus purshianus* (Benth.) Clem. & E. G. Clem.} - HDH, rep.  
 {*Lotus purshianus* Clem. & E. G. Clem.} - GPF  
 {*Lotus purshianus* (Benth. ex Lindl.) Clem. & E. G. Clem.} - IMF  
 {*Lotus purshianus* (Benth. ex Lindl.) Clem. & E. G. Clem. ex Ottley} - NNL  
 {*Lotus unifoliolatus* (Hook.) Benth. var. *unifoliolatus*} - KTZ <AZ, KS, NE, OK, WY  
 ∴ *Lotus tenuis* Waldst. & Kit. ex Willd. - GPF, IMF, KTZ, E/W  
 [*Lotus corniculatus* L.] - NNL  
 [*Lotus glaber* Mill.] - Kirkbride06  
 [*Lotus tenuis* Kit.] - UTF  
 [*Lotus tenuis* Waldst. & Kit.] - SF!, W&W  
*Lotus wrightii* (A. Gray) Greene - HDH, IMF, KTZ, NNL, SF!, UTF, W&W, E/W

## Lupinus

(Identification sources: \_\_\_\_\_)

*Lupinus argenteus* Pursh var. *argenteus* - Dorn01, GPF, IMF, NNL, UTF, E/W  
 [*Lupinus argenteus* Pursh] - HDH, SFW, W&W  
 [*Lupinus argenteus* Pursh subsp. *argenteus*] - SFE  
 [*Lupinus argenteus* Pursh subsp. *argenteus* var. *argenteus*] - KTZ  
 [*Lupinus argenteus* Pursh subsp. *spatulatus* (Rydb.) L. W. Hess & D. B. Dunn] - KTZ  
*Lupinus argenteus* Pursh var. *argophyllus* (A. Gray) S. Watson - Dorn01, IMF, E/W  
 [*Lupinus aduncus* Greene] - HDH  
 [*Lupinus caudatus* Kellogg] - SF!, W&W  
 [*Lupinus caudatus* Kellogg subsp. *argophyllus* (A. Gray) L. L. Phillips] - KTZ, SFW  
 [*Lupinus caudatus* Kellogg var. *argophyllus* (A. Gray) S. L. Welsh] - NNL, UTF  
*Lupinus argenteus* Pursh var. *fulvomaculatus* (Payson) Barneby - IMF, NNL, UTF, E  
 [*Lupinus argenteus* Pursh] - W&W  
 [*Lupinus argenteus* Pursh subsp. *ingratus* (Greene) Harmon] - KTZ, SFE  
 {*Lupinus argenteus* Pursh var. *heteranthus* (S. Watson) Barneby} - IMF, E  
 {*Lupinus caudatus* Kellogg} - GPF, SFE, W&W  
 {*Lupinus caudatus* Kellogg subsp. *caudatus*} - KTZ  
 {*Lupinus caudatus* Kellogg var. *caudatus*} - NNL  
 {*Lupinus caudatus* Kellogg var. *cutleri* (Eastw.) S. L. Welsh} - UTF  
 {*Lupinus greenei* A. Nelson} - HDH  
*Lupinus argenteus* Pursh var. *holosericeus* (Nutt. ex Torr. & A. Gray) Barneby - IMF  
 [*Lupinus argenteus* Pursh var. *holosericeus* (Nutt.) Barneby] - NNL  
 [*Lupinus holosericeus* Nutt.] - KTZ  
*Lupinus argenteus* Pursh var. *laxiflorus* (Douglas ex Lindl.) Dorn - Dorn01  
 [*Lupinus argenteus* Pursh subsp. *argenteus* var. *laxiflorus* (Douglas ex Lindl.) Dorn] - KTZ

- Lupinus argenteus* Pursh var. *moabensis* S. L. Welsh - IMF, UTF  
 [Lupinus argenteus Pursh] - W&W  
 [Lupinus argenteus Pursh subsp. *moabensis* D. B. Dunn & Harmon] - KTZ  
 [Lupinus argenteus Pursh var. *moabensis* Harmon & D. B. Dunn ex S. L. Welsh] - NNL
- Lupinus argenteus* Pursh var. *parviflorus* (Nutt. ex Hook. & Arn.) C. L. Hitchc. - IMF, E/W  
 [Lupinus argenteus Pursh] - W&W  
 [Lupinus argenteus Pursh var. *myrianthus* (Greene) Isely] - NNL  
 [Lupinus argenteus Pursh var. *parviflorus* (Hook. & Arn.) C. L. Hitchc.] - NNL  
 [Lupinus argenteus Pursh var. *parviflorus* (Nutt.) C. L. Hitchc.] - GPF, UTF  
 [Lupinus *parviflorus* Nutt.] - SFW  
 [Lupinus *parviflorus* Nutt. ex Hook. & Arn.] - HDH  
 [Lupinus *parviflorus* Nutt. ex Hook. & Arn. subsp. *floribundus* (Greene) Harmon] - KTZ  
 [Lupinus *parviflorus* Nutt. subsp. *myrianthus* (Greene) Harmon var. *myrianthus*] - KTZ  
 [Lupinus *parviflorus* Nutt. var. *myrianthus* (Greene) Harmon] - SFE  
 [Lupinus *parviflorus* Nutt. ex Hook. & Arn. subsp. *myrianthus* (Greene) Harmon var. *myrianthus*] - KTZ  
 [Lupinus *parviflorus* Nutt. subsp. *parviflorus*] - W&W<sup>1</sup>  
 [Lupinus *parviflorus* Nutt. ex Hook. & Arn. subsp. *parviflorus*] - KTZ
- Lupinus argenteus* Pursh var. *rubricaulis* (Greene) S. L. Welsh - Dorn01, IMF, NNL, UTF  
 [Lupinus X *alpestris* A. Nelson] - KTZ  
 [Lupinus *argenteus* X *L. caudatus*] - KTZ  
 [Lupinus *argenteus* Pursh] - HDH, W&W  
 [Lupinus *argenteus* Pursh subsp. *rubricaulis* (Greene) L. W. Hess & D. B. Dunn] - KTZ  
 [Lupinus *depressus* Rydb.] - KTZ
- Lupinus argenteus* Pursh var. *utahensis* (S. Watson) Barneby - IMF <CO>  
 [Lupinus *caudatus* Kellogg] - W&W<sup>1</sup>  
 [Lupinus *caudatus* Kellogg subsp. *caudatus*] - KTZ  
 [Lupinus *caudatus* Kellogg var. *utahensis* (S. Watson) S. L. Welsh] - NNL, UTF
- {*Lupinus barbiger* S. Watson} - HDH, KTZ <AZ, UT>, W&W, misapp.  
 {Lupinus *sericeus* Pursh} - IMF  
 {Lupinus *sericeus* Pursh var. *barbiger* (S. Watson) S. L. Welsh} - NNL, UTF
- Lupinus brevicaulis* S. Watson - HDH, IMF, KTZ, NNL, SFW, UTF, W&W, W
- Lupinus kingii* S. Watson - HDH, IMF, NNL, SF!, W&W, E/W  
 [Lupinus *kingii* S. Watson var. *kingii*] - KTZ, UTF  
 [Lupinus *kingii* S. Watson var. *argillaceus* (Wooton & Standl.) C. P. Sm.] - HDH rep., KTZ
- Lupinus lepidus* Douglas ex Lindl. var. *utahensis* (S. Watson) C. L. Hitchc. - Dorn01, NNL, E/W  
 [Lupinus *caespitosus* Nutt.] - HDH, W&W  
 [Lupinus *caespitosus* Nutt. var. *utahensis* (S. Watson) Cox] - KTZ  
 [Lupinus *lepidus* Douglas subsp. *caespitosus* (Nutt.) Detling] - SF!, W&W<sup>1</sup>  
 [Lupinus *lepidus* Douglas var. *utahensis* (S. Watson) C. L. Hitchc.] - IMF, UTF
- Lupinus neomexicanus* Greene - NNL, KWA, M&H, KTZ, JM, not rep.  
 [Lupinus *blumeri* Greene] - KTZ
- Lupinus plattensis* S. Watson - Dorn01, GPF, HDH, IMF, KTZ, NNL, SFE, W&W, E
- Lupinus polyphyllus* Lindl. var. *ammophilus* (Greene) Barneby - IMF, UTF, W  
 [Lupinus *ammophilus* Greene] - HDH, KTZ, SFW, W&W  
 [Lupinus *ammophilus* Greene var. *ammophilus*] - NNL  
 [Lupinus *ammophilus* Greene var. *crassus* (Payson) Isely] - NNL  
 [Lupinus *crassus* Payson] - KTZ, SFW, W&W  
 [Lupinus *lasalensis* D. B. Dunn, unpubl.] - W&W, possibly a variety of this taxon
- Lupinus polyphyllus* Lindl. var. *humicola* (A. Nelson) Barneby - Dorn01, IMF, NNL, UTF, W  
 [Lupinus *humicola* A. Nelson] - HDH  
 [Lupinus *polyphyllus* Lindl.] - W&W<sup>1</sup>  
 [Lupinus *wyethii* S. Watson] - SFW, W&W, out of range  
 [Lupinus *wyethii* S. Watson subsp. *wyethii*] - KTZ
- Lupinus polyphyllus* Lindl. var. *prunophilus* (M. E. Jones) L. Ll. Phillips - Dorn01, IMF, NNL,

- UTF, E/W  
 [Lupinus bakeri Greene subsp. amplus (Greene) Fleak & D. B. Dunn] - KTZ, SFW, W&W  
 [Lupinus polyphyllus Lindl.] - W&W<sup>1</sup>  
 [Lupinus prunophilus M. E. Jones] - KTZ, SF!, W&W  
 Lupinus pusillus Pursh var. intermontanus (A. Heller) C. P. Sm. - Dorn01, IMF, NNL, UTF, E/W  
 [Lupinus pusillus Pursh] - HDH, SF!  
 [Lupinus pusillus Pursh subsp. intermontanus (A. Heller) D. B. Dunn] - KTZ  
 Lupinus pusillus Pursh var. pusillus - Dorn01, IMF, NNL, UTF, E/W  
 [Lupinus pusillus Pursh] - GPF, HDH, SF!  
 [Lupinus pusillus Pursh subsp. pusillus] - KTZ, W&W  
 [Lupinus pusillus Pursh subsp. rubens (Rydb.) D. B. Dunn] - KTZ, W&W<sup>1</sup>  
 [Lupinus pusillus Pursh var. rubens (Rydb.) S. L. Welsh] - UTF  
 Lupinus sericeus Pursh var. sericeus - NNL, UTF, E/W  
 [Lupinus bakeri Greene subsp. bakeri] - KTZ, SFW, W&W  
 [Lupinus sericeus Pursh] - Dorn01, GPF, IMF, SFE, W&W<sup>1</sup>  
 [Lupinus sericeus Pursh subsp. sericeus var. sericeus] - KTZ  
 [Lupinus sericeus Pursh subsp. sericeus var. egglestonianus C. P. Sm.] - KTZ  
 [Lupinus sericeus Pursh subsp. sericeus var. flexuosus (Lindl. ex J. Agardh) C. P. Sm.] - KTZ  
 [Lupinus sericeus Pursh var. sericeus] - SFW, UTF  
 [Lupinus sericeus Pursh var. egglestonianus C. P. Sm.] - SFW, W&W  
 [Lupinus sericeus Pursh var. flexuosus (Lindl.) C. P. Sm.] - SFW, W&W
- Medicago falcata L. - NNL  
 [Medicago sativa L. subsp. falcata (L.) Arcang.] - KTZ  
 [Medicago sativa L. var. falcata (L.) Doell] - Dorn01  
 ∴ Medicago lupulina L. - Dorn01, GPF, HDH, IMF, KTZ, NNL, SF!, UTF, W&W, E/W  
 ∴ Medicago polymorpha L. - Dorn01  
 ∴ Medicago sativa L. - Dorn01, HDH, IMF, NNL, SF!, UTF, W&W, E/W  
 [Medicago sativa L. subsp. sativa] - GPF, KTZ
- ∴ Melilotus albus Medik. - Dorn01, NNL, SF!, W&W, E/W  
 [Melilotus alba Desr.] - HDH  
 [Melilotus alba Desr. ex Lam.] - UTF  
 [Melilotus alba Medik.] - GPF, IMF  
 [Melilotus officinalis (L.) Lam.] - KTZ  
 ∴ Melilotus officinalis (L.) Pall. - Dorn01, GPF, IMF, NNL, UTF, W&W, E/W  
 [Melilotus officinalis (L.) Lam.] - HDH, KTZ  
 [Melilotus officinalis (L.) Pall.] - SF!
- Mimosa aculeaticarpa Ortega var. biuncifera (Benth) Barneby - KWA, NNL, KTZ  
 [Mimosa biuncifera Benth. ] - KWA, KTZ  
 [Mimosa biuncifera var. glabrescens Gray ] - KWA, KTZ  
 [Mimosa biuncifera var. lindheimeri (Gray) B.L. Robins. ] - KWA, KTZ  
 [Mimosa flexuosa Benth.] - KWA  
 [Mimosa lindheimeri Gray ] - KWA, KTZ  
 [Mimosa warnockii B.L. Turner ] - KWA, KTZ  
 [Mimosopsis biuncifera (Benth.) Britt. & Rose ] - KWA, KTZ  
 [Mimosopsis biuncifera (Benth.) var. flexuosa (Benth) Robinson] - KWA  
 [Mimosopsis flexuosa (Benth.) Britt. & Rose] - KWA  
 Mimosa borealis A. Gray - GPF, HDH, KTZ, NNL, SFE, W&W, E  
 Mimosa quadrivalvis L. var. angustata (Torr. & A. Gray) Barneby - E

[*Mimosa nuttallii* (DC.) B. L. Turner] - KTZ  
[*Mimosa quadrivalvis* L. var. *nuttallii* (DC.) L. S. Beard ex Barneby] - NNL  
[*Schrankia nuttallii* (DC.) Standl.] - GPF, HDH  
[*Schrankia uncinata* Willd.] - SFE, W&W

*Mimosa rupertiana* B. L. Turner - KTZ, E

[*Mimosa quadrivalvis* L. var. *occidentalis* (Wooton & Standl.) Barneby] - NNL  
[*Schrankia occidentalis* (Wooton & Standl.) Standl.] - GPF, HDH, SFE, W&W

∴ *Onobrychis viciifolia* Scop. - Dorn01, GPF, HDH, IMF, KTZ, NNL, UTF, W&W

Orophaca (see **Astragalus**)

Oxytropis

(Identification sources: \_\_\_\_\_)

*Oxytropis besseyi* (Rydb.) Blank. var. *besseyi* - Dorn01, NNL

[*Aragallus besseyi* Rydb.] - KTZ  
[*Astragalus besseyi* Rydb.] - KTZ  
[*Oxytropis nana* var. *besseyi* (Rydb.) Isley] - KTZ

*Oxytropis besseyi* (Rydb.) Blank. var. *fallax* Barneby - Dorn01, NNL

[*Oxytropis nana* var. *fallax* (Barneby) Isley] - KTZ

*Oxytropis besseyi* (Rydb.) Blank. var. *obnapiformis* (Ced. Porter) S. L. Welsh - Dorn01, KTZ, NNL, SFW, UTF, W&W, W

[*Oxytropis obnapiformis* Ced. Porter] - HDH

*Oxytropis besseyi* (Rydb.) Blank. var. *ventosa* (Greene) Barneby - Dorn01, NNL

[*Aragallus ventosus* Greene] - KTZ  
[*Oxytropis nana* var. *ventosa* (Greene) Isely] - KTZ  
[*Oxytropis nana* var. *ventosus* (Greene) Isley] - KTZ

*Oxytropis campestris* (L.) DC. var. *cusickii* (Greenm.) Barneby - Dorn01, IMF <CO>, KTZ, NNL, SFE, UTF, W&W, E

[*Oxytropis cusickii* Greenm.] - W&W<sup>1</sup>, err. rep.

{*Oxytropis campestris* (L.) DC. var. *glabrata* Hook.} - NNL, HDH, W&W, err. rep.

{*Oxytropis maydelliana* Trautv.} - KTZ, W&W<sup>1</sup>, err. rep.

*Oxytropis campestris* (L.) DC. var. *gracilis* (A. Nelson) Barneby - GPF, NNL, SF!, W&W, E/W

[*Oxytropis monticola* A. Gray] - KTZ, W&W<sup>1</sup>

*Oxytropis deflexa* (Pall.) DC. var. *deflexa* - HDH, IMF, NNL, SF!, UTF, E/W

[*Oxytropis deflexa* (Pall.) DC. subsp. *deflexa*] - W&W

*Oxytropis deflexa* (Pall.) DC. var. *foliolosa* (Hook.) Barneby - Dorn01, IMF, E/W

[*Oxytropis deflexa* (Pall.) DC. subsp. *deflexa*] - W&W  
[*Oxytropis deflexa* (Pall.) DC. var. *deflexa*] - NNL, SF!

*Oxytropis deflexa* (Pall.) DC. var. *sericea* Torr. & A. Gray - Dorn01, GPF, HDH, KTZ, NNL, SF!, W&W, E/W

*Oxytropis lagopus* Nutt. var. *atropurpurea* (Rydb.) Barneby - Dorn01, KTZ

*Oxytropis lagopus* Nutt. var. *lagopus* - Dorn01, KTZ

[*Oxytropis lagopus* Nutt.] - HDH, exp., NNL

*Oxytropis lambertii* Pursh var. *bigelovii* A. Gray - IMF, KTZ, NNL, UTF, E/W

[*Oxytropis lambertii* Pursh] - HDH, SF!  
[*Oxytropis lambertii* Pursh subsp. *bigelovii* (A. Gray) W. A. Weber] - W&W

*Oxytropis lambertii* Pursh var. *lambertii* - GPF, IMF, KTZ, NNL, UTF, E/W

[*Oxytropis lambertii* Pursh] - Dorn01, HDH, SF!

[*Oxytropis lambertii* Pursh subsp. *lambertii*] - W&W  
*Oxytropis multiceps* Nutt. - Dorn01, HDH, KTZ, NNL, SFE, W&W, E  
 [*Oxytropis multiceps* Torr. & A. Gray] - GPF, IMF, UTF  
 ♦ *Oxytropis nana* Nutt. - **ENDEMIC** <WY>, Dorn01, KTZ  
 [*Oxytropis nana* Nutt. in Torr. & A. Gray] - NNL  
*Oxytropis parryi* A. Gray - Dorn01, HDH, IMF, KTZ, NNL, SF!, UTF, W&W, E/W  
*Oxytropis podocarpa* A. Gray - Dorn01, HDH, KTZ, NNL, SF!, W&W, E/W  
*Oxytropis riparia* Litv. - Dorn01, KTZ, NNL  
*Oxytropis sericea* Nutt. var. *sericea* - Dorn01, GPF, IMF, KTZ, NNL, UTF, E/W  
 [*Oxytropis sericea* Nutt.] - HDH, SF!, W&W  
*Oxytropis sericea* Nutt. var. *speciosa* (Torr. & A. Gray) S. L. Welsh - Dorn01  
*Oxytropis sericea* Nutt. var. *spicata* (Hook.) Barneby - NNL  
 [*Oxytropis campestris* (L.) DC. var. *spicata* Hook.] - Dorn01  
*Oxytropis splendens* Douglas ex Hook. - Dorn01, GPF, KTZ, NNL, W&W, E/W  
 [*Oxytropis splendens* Douglas] - HDH, SF!  
*Oxytropis viscida* Nutt. var. *viscida* - E/W  
 [*Oxytropis borealis* DC. var. *viscida* (Nutt.) S. L. Welsh] - Dorn01, KTZ, NNL, UTF, W&W<sup>1</sup>  
 [*Oxytropis viscida* Nutt.] - IMF, SF!  
 [*Oxytropis viscida* Nutt. ex Torr. & A. Gray] - HDH, W&W

*Parryella filifolia* Torr. & A. Gray ex A. Gray - IMF, KTZ, NNL, UTF, W  
 [*Parryella filifolia* Torr. & A. Gray] - HDH, SFW, W&W

#### Pediomelum

(Identification sources: \_\_\_\_\_)

*Pediomelum argophyllum* (Pursh) J. W. Grimes - Dorn01, KTZ, NNL, W&W<sup>1</sup>, E  
 [*Psoralea argophylla* Pursh] - GPF, HDH  
 [*Psoralidium argophyllum* (Pursh) Rydb.] - SFE, W&W  
*Pediomelum aromaticum* (Payson) W. A. Weber - IMF, KTZ, SFW, W&W, W  
 [*Pediomelum aromaticum* (Payson) W. A. Weber var. *aromaticum*] - NNL, UTF  
 [*Psoralea aromatica* Pays.] - HDH  
*Pediomelum cuspidatum* (Pursh) Rydb. - KTZ, NNL, SFE, W&W, E  
 [*Psoralea cuspidata* Pursh] - GPF, HDH  
*Pediomelum digitatum* (Nutt. ex Torr. & A. Gray) Isely - Dorn01, KTZ, E  
 [*Pediomelum digitatum* (Nutt.) Isely] - NNL, W&W<sup>1</sup>  
 [*Psoralea digitata* Nutt.] - GPF, HDH  
 [*Psoralidium digitatum* (Nutt.) Rydb.] - SFE, W&W  
*Pediomelum esculentum* (Pursh) Rydb. - Dorn01, KTZ, NNL, SFE, W&W, E  
 [*Psoralea esculenta* Pursh] - GPF, HDH  
*Pediomelum hypogaeum* (Nutt. ex Torr. & A. Gray) Rydb. var. *hypogaeum* - Dorn01, KTZ, E  
 [*Pediomelum hypogaeum* (Nutt.) Rydb.] - SFE  
 [*Pediomelum hypogaeum* (Nutt. ex Torr. & A. Gray) Rydb.] - W&W  
 [*Pediomelum hypogaeum* (Nutt.) Rydb. var. *hypogaeum*] - NNL  
 [*Psoralea hypogaea* Nutt.] - GPF, HDH  
 [*Psoralea hypogaea* Nutt. var. *hypogaea*] - GPF  
*Pediomelum linearifolium* (Torr. & A. Gray) J. W. Grimes - Dorn01, KTZ, NNL, E  
 [*Psoralea linearifolia* Torr. & A. Gray] - GPF, HDH  
 [*Psoralidium linearifolium* (Torr. & A. Gray) Rydb.] - SFE, W&W  
*Pediomelum megalanthum* (Wooton & Standl.) Rydb. var. *megalanthum* - IMF, KTZ, NNL, W

[Pediomelum megalanthum (Wooton & Standl.) Rydb.] - SFW, UTF, W&W  
[Psoralea megalantha Wooton & Standl.] - HDH

Petalostemon (see **Dalea**)

Peteria scoparia A. Gray - FCF

∴ Phaseolus vulgaris L. - NNL  
[Phaseolus vulagris L. var. humilis Alef.] - Dorn01, KTZ

Pomaria jamesii (Torr. & A. Gray) Walp. - Simpson98, E  
[Caesalpinia jamesii (Torr. & A. Gray) E. Fisher] - GPF, KTZ, NNL, SFE, W&W  
[Hoffmanseggia jamesii Torr. & A. Gray] - HDH

Prosopis glandulosa Torr. var. glandulosa - IMF, KTZ, NNL, UTF, E  
[Prosopis glandulosa Torr.] - GPF, SFE, W&W

Psoralea (see **Pediomelum, Psoralidium**)

Psoralidium (see also **Pediomelum**)

Psoralidium lanceolatum (Pursh) Rydb. - Dorn01, IMF, KTZ, NNL, SF!, W&W, E/W  
[Psoralea lanceolata Pursh] - GPF, HDH  
[Psoralidium lanceolatum (Pursh) Rydb. var. lanceolatum] - UTF

Psoralidium tenuiflorum (Pursh) Rydb. - Dorn01, IMF, KTZ, NNL, SF!, UTF, W&W, E/W  
[Psoralea tenuiflora Pursh var. bigelovii (Rydb.) J. F. Macbr.] - HDH  
[Psoralea tenuiflora Pursh var. tenuiflora] - GPF, HDH

Psorothamnus scoparius Rydb. - (*Vincent 9956+*, GREE)  
[Dalea scoparius A. Gray]

Psorothamnus thompsoniae (Vail) S. L. Welsh & Atwood var. whitingii (Kearney & Peebles)  
Barneby - IMF, KTZ

[Psorothamnus thompsonae (Vail) S. L. Welsh & Atwood var. whitingii (Kearney & Peebles) Barneby] - NNL,  
UTF

∴ Robinia hispida L. var. hispida - KTZ, NNL  
[Robinia hispida L.] - GPF, UTF

Robinia X holdtii Beissn. - KTZ, NNL  
[Robinia neomexicana X R. pseudoacacia] - KTZ

Δ Robinia neomexicana A. Gray var. neomexicana - IMF, KTZ, NNL, E/W  
[Robinia neomexicana A. Gray] - Dorn01, HDH, SF!, UTF, W&W

Δ Robinia pseudoacacia L. - Dorn01, GPF, HDH, IMF, KTZ, NNL, SF!, UTF, W&W, E/W  
[Robinia pseudo-acacia L.] - W&W<sup>1</sup>

Schrankia (see **Mimosa**)

Securigera (see **Coronilla**)

Senna roemeriana (Scheele) Irwin - KWA, KTZ  
[Cassia roemeriana Scheele] - KTZ, M&H  
[Earleocassia roemeriana (Scheele) Britt.] - M&H

[*Senna roemeriana* (Scheele) Irwin & Barneby] - NNL

*Sophora nuttalliana* B. L. Turner - Dorn01, GPF, IMF, KTZ, NNL, UTF, E/W

[*Sophora sericea* Nutt.] - HDH

[*Vexibia nuttalliana* (B. L. Turner) W. A. Weber] - SF!, W&W

∴ *Sphaerophysa salsula* (Pall.) DC. - Dorn01, GPF, IMF, KTZ, NNL, SF!, UTF, W&W, E/W

[*Swainsona salsula* (Pall.) Taubert] - HDH

*Strophostyles leiosperma* (Torr. & A. Gray) Piper - GPF, HDH, KTZ, NNL, SFE, W&W, E

*Swainsona* (see **Sphaerophysa**)

*Thermopsis montana* Nutt. var. *divaricarpa* (A. Nelson) Dorn - E/W

[*Thermopsis divaricarpa* A. Nelson] - Dorn01, HDH, KTZ, SF!, W&W

[*Thermopsis rhombifolia* (Nutt. ex Pursh) Richards.] - W&W<sup>1</sup>

[*Thermopsis rhombifolia* Nutt. ex Richardson var. *divaricarpa* (A. Nelson) Isely] - GPF

[*Thermopsis rhombifolia* (Pursh) Richardson var. *divaricarpa* (A. Nelson) Isely] - NNL

*Thermopsis montana* Nutt. var. *montana* - KTZ, E/W

[*Thermopsis montana* Nutt.] - Dorn01, SF!, UTF

[*Thermopsis montana* Nutt. ex Torr. & A. Gray] - HDH, W&W

[*Thermopsis rhombifolia* (Nutt. ex Pursh) Richardson var. *montana* (Nutt. ex Torr. & A. Gary) Isely] - IMF

[*Thermopsis rhombifolia* (Pursh) Richardson var. *montana* (Nutt.) Isely] - IMF, NNL

*Thermopsis rhombifolia* (Nutt. ex Pursh) Nutt. ex Richardson var. *annulocarpa* (A. Nelson) L. O.

Williams - Dorn01

[*Thermopsis rhombifolia* (Nutt. ex Pursh) Richardson] - W&W

[*Thermopsis rhombifolia* (Nutt. ex Pursh) Nutt. ex Richardson] - KTZ

*Thermopsis rhombifolia* (Nutt. ex Pursh) Nutt. ex Richardson var. *ovata* (B. L. Rob. ex Piper)

Isely

[*Thermopsis gracilis* T. J. Howell var. *ovata* (B. L. Rob. ex Piper) Mendenhall] - KTZ

[*Thermopsis rhombifolia* (Pursh) Richardson var. *ovata* (Piper) Isely] - NNL

[*Thermopsis rhombifolia* (Nutt. ex Pursh) Richardson var. *ovata* (B. L. Rob. ex Piper) Isely] - IMF <CO>

*Thermopsis rhombifolia* (Nutt. ex Pursh) Nutt. ex Richardson var. *rhombifolia* - Dorn01, E/W

[*Thermopsis arenosa* A. Nelson] - HDH

[*Thermopsis rhombifolia* (Nutt.) Richardson] - SF!

[*Thermopsis rhombifolia* (Nutt. ex Pursh) Richardson] - W&W

[*Thermopsis rhombifolia* Nutt. ex Richardson] - HDH, UTF

[*Thermopsis rhombifolia* (Nutt. ex Pursh) Nutt. ex Richardson] - KTZ

[*Thermopsis rhombifolia* Nutt. ex Richardson var. *rhombifolia*] - GPF

[*Thermopsis rhombifolia* (Nutt. ex Pursh) Richardson var. *rhombifolia*] - IMF

[*Thermopsis rhombifolia* (Pursh) Richardson var. *rhombifolia*] - IMF, NNL

*Trifolium*

(Identification sources: \_\_\_\_\_)

*Trifolium andinum* Nutt. var. *andinum* - IMF, KTZ, NNL, W

[*Trifolium andinum* Nutt.] - Dorn01, SFW, UTF, W&W

*Trifolium attenuatum* Greene - KTZ, NNL, SF!, W&W, E/W

[*Trifolium dasyphyllum* Torr. & A. Gray] - HDH

◆ *Trifolium brandegeei* S. Watson - **ENDEMIC** <CO, NM>, HDH, KTZ, NNL, SF!, W&W,



- E/W
- ∴ *Trifolium campestre* Schreeber - Dorn01, KWA, KTZ, NNL  
 [Trifolium procumbens L. 1755, non 1753] - KTZ
- Trifolium dasyphyllum* Torr. & A. Gray var. *dasyphyllum* - NNL  
 [Trifolium dasyphyllum Torr. & A. Gray] - Dorn01, HDH, IMF, SF!, W&W, E/W  
 [Trifolium dasyphyllum Torr. & A. Gray subsp. *dasyphyllum*] - KTZ
- Trifolium dasyphyllum* Torr. & A. Gray var. *anemophilum* (Greene) J. S. Martin ex Isley - Smith09?  
 [Trifolium anemophilum Greene] - KTZ  
 [Trifolium dasyphyllum var. *anemophilum* (Greene) J.S. Martin ex Isely] - KTZ  
 [Trifolium scariosum A. Nels.] - KTZ
- ∴ *Trifolium fragiferum* L. - Dorn01, HDH, IMF, KTZ, NNL, SF!, UTF, W&W, E/W  
 [Trifolium fragiferum L. subsp. *fragiferum*] - GPF
- Trifolium gymnocarpum* Nutt. var. *gymnocarpum* - Dorn01, HDH, NNL, E/W  
 [Trifolium gymnocarpon Nutt.] - SF!, UTF, W&W  
 [Trifolium gymnocarpum Nutt. ex Torr. & A. Gray] - IMF  
 [Trifolium gymnocarpum Nutt. subsp. *gymnocarpum*] - KTZ  
 [Trifolium gymnocarpum Nutt. var. *subaculescens* (A. Gray) A. Nelson] - HDH
- {*Trifolium gymnocarpum* Nutt. var. *plummerae* (S. Watson) J. S. Martin} - NNL, E/W  
 {Trifolium gymnocarpon Nutt.} - SF!, UTF, W&W  
 {Trifolium gymnocarpon Nutt. ex Torr. & A. Gray} - IMF  
 {Trifolium gymnocarpum Nutt. subsp. *plummerae* (S. Watson) J. M. Gillett} - KTZ
- ∴ *Trifolium hybridum* L. - Dorn01, HDH, IMF, KTZ, NNL, SF!, UTF, W&W, E/W  
 [Trifolium hybridum L. subsp. *elegans* (Savi) Asch. & Graebn.] - GPF
- Trifolium kingii* S. Watson var. *kingii* - W, IMF, UTF  
 [Trifolium kingii S. Watson] - NNL, SFW, W&W  
 [Trifolium kingii S. Watson subsp. *kingii*] - KTZ
- {*Trifolium kingii* S. Watson var. *macilentum* (Greene) Isely} -W  
 {Trifolium kingii S. Watson} - SFW, W&W  
 {Trifolium kingii S. Watson subsp. *macilentum* (Greene) J. M. Gillett} -KTZ <AZ,UT>  
 {Trifolium macilentum Greene} - HDH, IMF  
 {Trifolium macilentum Greene var. *macilentum*} - NNL, UTF
- Trifolium longipes* Nutt. var. *neurophyllum* (Greene) J. S. Martin ex Isley - KWA, NNL  
 [Trifolium neurophyllum Greene] - KTZ  
 [Trifolium rusbyi subsp. *neurophyllum* (Greene) Heller & Zoh.] - KWA, KTZ
- Trifolium longipes* Nutt. var. *reflexum* A. Nelson - Dorn01, IMF, NNL, UTF, E/W  
 [Trifolium longipes Nutt.] - SF!  
 [Trifolium longipes Nutt. subsp. *reflexum* (A. Nelson) J. M. Gillett] - KTZ  
 [Trifolium rusbyi Greene subsp. *reflexum* (A. Nelson) A. Heller & Zohary] - W&W
- Trifolium longipes* Nutt. var. *rusbyi* (Greene) Harrington - HDH, IMF, NNL, UTF, E/W  
 [Trifolium longipes Nutt.] - SF!  
 [Trifolium longipes Nutt. var. *longipes*] - HDH <nw. NA.>, NNL  
 [Trifolium longipes Nutt. subsp. *pygmaeum* (A. Gray) J. M. Gillett] - KTZ  
 [Trifolium rusbyi Greene subsp. *rusbyi*] - W&W
- Trifolium nanum* Torr. - Dorn01, HDH, IMF, KTZ, NNL, SF!, UTF, W&W, E/W
- Trifolium parryi* A. Gray var. *parryi* - Dorn01, NNL, E/W  
 [Trifolium parryi A. Gray] - HDH, IMF, SF!, W&W  
 [Trifolium parryi A. Gray subsp. *parryi*] - KTZ  
 [Trifolium parryi A. Gray subsp. *salictorum* (Greene ex Rydb.) J. M. Gillett] - KTZ  
 [Trifolium salictorum Greene] - SF!  
 [Trifolium salictorum Greene ex Rydb., nom. nudum] - W&W
- ∴ *Trifolium pratense* L. var. *pratense* - Dorn01, IMF, E/W  
 [Trifolium pratense L.] - GPF, HDH, KTZ, SF!, UTF, W&W

∴ *Trifolium repens* L. - Dorn01, GPF, HDH, IMF, KTZ, NNL, SF!, UTF, W&W, E/W  
*Trifolium wormskjoldii* Lehm. var. *arizonicum* (Greene) Barneby - IMF, NNL, UTF <AZ, UT>  
 [ *Trifolium fendleri* Greene ] - HDH  
 [ *Trifolium mucronatum* Willd. subsp. *lacerum* (Greene) J. M. Gillett ] - W&W<sup>1</sup>, misapp.  
 [ *Trifolium mucronatum* Willd. ex Spreng. subsp. *lacerum* (Greene) J. M. Gillett ] - KTZ  
 [ *Trifolium wormskjoldii* Lehm. ] - W&W  
*Trifolium wormskjoldii* Lehm. var. *wormskjoldii* - IMF, NNL, UTF, E/W  
 [ *Trifolium fendleri* Greene ] - HDH  
 [ *Trifolium wormskjoldii* Lehm. ] - Dorn01, KTZ, SF!, W&W

Vexibia (see **Sophora**)

Vicia

(Identification sources: \_\_\_\_\_)

*Vicia americana* Muhl. ex Willd. var. *americana* - Dorn01, GPF, IMF, NNL, UTF, W&W, E/W  
 [ *Vicia americana* Muhl. ex Willd. ] - HDH  
 [ *Vicia americana* Muhl. subsp. *americana* ] - SFE  
 [ *Vicia americana* Muhl. ex Willd. subsp. *americana* ] - KTZ  
 [ *Vicia americana* Muhl. ] - SFW

*Vicia americana* Muhl. ex Willd. var. *minor* Hook. - Dorn01, GPF, IMF, NNL, UTF, W&W, E  
 [ *Vicia americana* Muhl. subsp. *minor* (Hook.) A. Löve & D. Löve ] - SFE  
 [ *Vicia americana* Muhl. ex Willd. subsp. *minor* (Hook.) C. R. Gunn ] - KTZ  
 [ *Vicia linearis* (Nutt.) Greene ] - W&W<sup>1</sup>  
 [ *Vicia americana* Muhl. ] - SFW

∴ { *Vicia cracca* L. } - HDH, exp., NNL  
 { *Vicia cracca* L. subsp. *cracca* } - KTZ <UT, WY>

*Vicia ludoviciana* Nutt. var. *ludoviciana* - E/W  
 [ *Vicia exigua* Torr. & A. Gray ] - GPF  
 [ *Vicia ludoviciana* Nutt. ] - IMF, UTF  
 [ *Vicia ludoviciana* Nutt. subsp. *ludoviciana* ] - KTZ, NNL  
 [ *Vicia ludoviciana* Nutt. var. *texana* (Torr. & A. Gray) Shinnars ] - SF!, W&W  
 [ *Vicia producta* Rydb. ] - HDH

∴ *Vicia sativa* L. var. *nigra* L. - E  
 [ *Vicia angustifolia* L. ] - W&W  
 [ *Vicia angustifolia* (L.) Reichard ] - SFE  
 [ *Vicia sativa* L. var. *angustifolia* L. ] - GPF, IMF  
 [ *Vicia sativa* L. subsp. *nigra* (L.) Ehrh. ] - KTZ, NNL

∴ *Vicia villosa* Roth - Dorn01, HDH, SF!, W&W, E/W  
 [ *Vicia villosa* Roth subsp. *villosa* ] - KTZ  
 [ *Vicia villosa* Roth var. *villosa* ] - GPF, IMF, NNL, UTF

## Fagaceae - FAG

Quercus

(Identification sources: \_\_\_\_\_)

{ *Quercus ajoensis* C. H. Muller } - FNA <AZ>, KTZ, W&W, W  
 { WJ - based on misid. of *Q. turbinella* }

{*Quercus ajoënsis* C. H. Muller} - SFW  
 {*Quercus carmenensis* C. H. Muller} - FNA, KTZ, WJ  
*Quercus gambelii* Nutt. - Dorn01, FNA, GPF, HDH, SF!, W&W, E/W  
 [*Quercus gambelii* Nutt. var. *gambelii*] - KTZ, UTF  
 [*Quercus* X *pauciloba* Rydb.] - KTZ, UTF  
 [*Quercus gambelii* X *Q. turbinella*] - KTZ  
 [*Quercus vreelandii* Rydb.] - HDH  
 [*Quercus* x *pauciloba* Rydb.] - FCF  
*Quercus grisea* Liebm. - FNA, KTZ, SFE, W&W, E  
 [WJ - occurs in Baca and Las Animas cos, CO, despite map in FNA]  
*Quercus havardii* Rydb. - FCF, FNA, GPF, W  
 [WJ - plants from the Four Corners area are hybrids of *Q. gambelii* and *Q. turbinella*; NS - close to entering our area from the southeast as well]  
 [*Quercus* X *eastwoodiae* Rydb.)] - Tucker70 and UTF are in error  
 [*Quercus havardii* Rydb. var. *tuckeri* S. L. Welsh] - KTZ, SFW, UTF, W&W  
*Quercus pungens* Liebm. - FNA, HDH rep., KTZ, *Hazlett 11781* (Harding Co., NM, [GREE])  
 [Records apply to hybrids between *Quercus grisea* X *Q. gambelii*, W&W]  
 [*Quercus venustula* Greene] - HDH, rep.  
*Quercus turbinella* Greene - FNA, HDH, KTZ, SF!, UTF, W&W, E/W  
*Quercus* X *undulata* Torr. - FNA; Tucker71, E  
 [*Quercus gambelii* X *Q. grisea*] - WJ, W&W  
 [*Quercus gambelii* X *Q. turbinella*] - KTZ  
 [*Quercus fendleri* Liebm.] - HDH  
 [*Quercus undulata* Torr.] - GPF, GPF, HDH, SFE

## Frankeniaceae - FNK

*Frankenia jamesii* Torr. ex A. Gray - KTZ, W&W, E/W  
 [*Frankenia jamesii* Torr.] - HDH, SF!, UTF

## Fumariaceae (see PAP)

## Gentianaceae - GEN

*Centaurium calycosum* (Buckley) Fernald - KWA, KTZ, M&H  
 [*Centaurium calycosum* (Buckley) Fernald var. *arizonicum* (A. Gray) Tidestr.] - HDH  
 [*Centaurium calycosum* var. *nanum* (Gray) B.L. Robins.] - KTZ  
 [*Zeltnera calyca* (Buckley) Mansion]  
*Centaurium exaltatum* (Griseb.) W. Wight ex Piper - Dorn01, GPF, IMF, KTZ, UTF, W&W, W  
 [*Centaurium exaltatum* (A. Gray) Tidestr.] - SFW  
 [*Centaurium exaltatum* (Griseb.) W. Wight] - HDH, exp.  
*Centaurium pulchellum* (Sw.) Druce - GPF, IMF, KTZ<NE>, SFE, W&W<sup>1</sup>, E  
 [*Centaurium pulchellum* (Sw.) Druce ex B. L. Rob. & Fernald] - Dorn01

## Chondrophylla (see **Gentiana**)

## Comastoma (see **Gentianella**)

*Eustoma grandiflorum* (Raf.) Shinnery - Dorn01, GPF, SFE, W&W, E  
 [*Eustoma exaltatum* (L.) Salisb. ex G. Don subsp. *russellianum* (Hook.) Kartesz] - KTZ

[*Eustoma russellianum* (Hook.) Griseb.] - HDH

*Frasera albomarginata* S. Watson var. *albomarginata* - IMF, W

[*Frasera albomarginata* S. Watson] - KTZ, SFW, W&W

[*Swertia albomarginata* (S. Watson) Kuntze] - HDH, UTF

◆ *Frasera coloradensis* (C. M. Rogers) D. M. Post - **ENDEMIC** <CO>, KTZ, SFE, W&W, E

[*Swertia coloradensis* C. M. Rogers] - HDH

*Frasera paniculata* Torr. - IMF, KTZ, W&W, W

[*Frasera paniculata* S. Watson] - SFW

[*Swertia utahensis* (M. E. Jones) H. H. St. John] - UTF

*Frasera speciosa* Douglas ex Griseb. - Dorn01, IMF, KTZ, W&W, E/W

[*Frasera speciosa* Douglas] - SF!

[*Swertia radiata* (Kellogg) Kuntze] - GPF, UTF

[*Swertia radiata* (Kellogg) Kuntze var. *radiata*] - HDH

[*Swertia radiata* (Kellogg) Kuntze var. *macrophylla* (Greene) H. St. John] - HDH

## Gentiana

(Identification sources: \_\_\_\_\_)

Gentiana (see also **Gentianella**, **Gentianopsis**; Yuan96)

*Gentiana affinis* Griseb. - GPF, HDH, IMF, KTZ, UTF, E/W

[*Gentiana affinis* Griseb. var. *affinis*] - RMC

[*Gentiana forwoodii* A. Gray] - HDH

[*Pneumonanthe affinis* (Griseb.) Greene] - SF!, W&W

*Gentiana algida* Pall. - Dorn01, IMF, KTZ, UTF, E/W

[*Gentiana romanzovii* Ledeb.] - HDH

[*Gentianodes algida* (Pall.) A. Löve & D. Löve] - SF!, W&W

*Gentiana andrewsii* Griseb. var. *andrewsii* - PC, KTZ

[*Gentiana andrewsii* Griseb.] - GPF, HDH

[*Pneumonanthe andrewsii* (Griseb.) W. A. Weber] - W&W

*Gentiana aquatica* L. - Dorn01, E/W

[*Chondrophylla aquatica* (L.) W. A. Weber] - SF!, W&W

[*Gentiana fremontii* Torr.] - HDH, KTZ

*Gentiana bigelovii* A. Gray - HDH, E

[*Gentiana affinis* Griseb.] - KTZ

[*Gentiana affinis* Griseb. var. *bigelovii* (A. Gray) Kusn.] - Dorn01

[*Pneumonanthe bigelovii* (A. Gray) Greene] - SFE, W&W<sup>1</sup>

{*Gentiana calycosa* Griseb.} - FCF

{WJ - does not occur in our area; nearest area is Uintah Range in UT. Ours all are *G. parryi*. Allred treatment in Great Basin Naturalist lumped species too aggressively}

*Gentiana parryi* Engelm. - Dorn01, HDH, IMF, KTZ, UTF, E/W

[*Pneumonanthe parryi* (Engelm.) Greene] - SF!, W&W

*Gentiana prostrata* Haenke - Dorn01, IMF, KTZ, CC & WJ, E/W

[*Chondrophylla nutans* (Burge) W. A. Weber] - SF!, W&W

[*Chondrophylla prostrata* (Haenke) J. P. Anderson] - SF!

[*Chondrophylla prostrata* (Haenke ex Jacq.) J. P. Anderson] - W&W

[*Gentiana nutans* Bunge] - KTZ

[*Gentiana prostrata* Haenke ex Jacq.] - UTF

[*Gentiana prostrata* Haenke var. *americana* Engelm.] - HDH

*Gentianella amarella* (L.) Börner var. *acuta* (Michx.) Herder - E/W

[*Gentiana plebeia* Chamisso var. *holmii* Wettst.] - HDH  
[*Gentiana plebeia* Chamisso var. *plebeia*] - HDH  
[*Gentiana strictiflora* (Rydb.) A. Nelson] - HDH  
[*Gentianella acuta* (Michx.) Hiitonen] - SF!, W&W  
[*Gentianella amarella* (L.) Börner] - IMF, UTF  
[*Gentianella amarella* (L.) Börner subsp. *acuta* (Michx.) J. M. Gillett] - GPF, KTZ  
[*Gentianella amarella* (L.) Börner var. *amarella*] - W&W<sup>1</sup>, Eurasian  
[*Gentianella strictiflora* (Rydb.) W. A. Weber] - SFE, W&W

*Gentianella amarella* (L.) Börner var. *heterosepala* (Engelm.) Dorn - Dorn01, E/W

[*Gentiana heterosepala* Engelm.] - HDH  
[*Gentiana scopulorum* Tidestr.] - KTZ  
[*Gentianella amarella* (L.) Börner subsp. *heterosepala* (Engelm.) J. M. Gillett] - KTZ  
[*Gentianella heterosepala* (Engelm.) Holub] - IMF, SF!, UTF, W&W

*Gentianella tenella* (Rottb.) Börner - Dorn01, GPF, IMF, UTF, E/W

[*Comastoma tenella* (Rottb.) Toyokuni] - SF!, W&W  
[*Gentiana tenella* Rottb.] - HDH  
[*Gentianella tenella* (Rottb.) Börner subsp. *tenella*] - KTZ

*Gentianella tortuosa* (M. E. Jones) J. M. Gillett - IMF, KTZ, SFW, UTF, W&W, W

**Gentianodes (see *Gentiana*)**

*Gentianopsis barbellata* (Engelm.) H. H. Iltis - Dorn01, IMF, KTZ, SF!, UTF, W&W, E/W

[*Gentiana barbellata* Engelm.] - HDH

*Gentianopsis detonsa* (Rottb.) Ma var. *elegans* (A. Nelson) N. H. Holmgren - Dorn01, IMF, UTF, E/W

[*Gentiana thermalis* Kuntze] - HDH  
[*Gentianopsis thermalis* (Kuntze) H. H. Iltis] - KTZ, SF!, W&W

*Gentianopsis procera* (Holm) Ma - WJ (*Kelso et al. 01-187* [COCO])

*Lomatogonium rotatum* (L.) Fr. - Dorn01, UTF, E/W

[*Lomatogonium rotatum* (L.) Fr. ex Fernald] - KTZ  
[*Lomatogonium rotatum* (L.) Fr. subsp. *tenuifolium* (Griseb.) Porsild] - SF!  
[*Lomatogonium rotatum* (L.) Griseb. subsp. *tenuifolium* (Griseb.) Porsild] - W&W  
[*Pleurogyne fontana* A. Nelson] - IPNI  
[*Pleurogyne rotata* (L.) Griseb.] - HDH

**Pleurogyne (see *Lomatogonium*)**

**Pneumonanthe (see *Gentiana*)**

**Swertia (see also *Frasera*)**

*Swertia perennis* L. - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

## **Geraniaceae - GER**

∴ *Erodium cicutarium* (L.) L'Hér. ex Aiton - Dorn01, HDH, IMF, E/W

[*Erodium cicutarium* (L.) L'Hér.] - GPF, SF!, UTF, W&W  
[*Erodium cicutarium* (L.) L'Hér. ex Aiton subsp. *cutarium*] - KTZ

**Geranium**

(Identification sources: \_\_\_\_\_)

- {*Geranium atropurpureum* A. Heller var. *atropurpureum*} - KTZ, E/W  
  {*Geranium atropurpureum* A. Heller} - see IMF  
  {*Geranium caespitosum* E. James subsp. *atropurpureum* (A. Heller) W. A. Weber} - SF!  
  {*Geranium caespitosum* E. James ex Torr. subsp. *atropurpureum* (A. Heller) W. A. Weber} - W&W  
  {*Geranium marginale* Rydb} - W&W<sup>1</sup>  
  {*Geranium marginale* Rydb. ex Hanks & Small} - HDH, rep.
- Geranium atropurpureum* A. Heller var. *cowenii* (Rydb.) Dorn - Dorn01, KTZ  
  [*Geranium caespitosum* E. James] - IMF  
  [*Geranium caespitosum* E. James ex Torr. subsp. *caespitosum*] - W&W  
  [*Geranium fremontii* Torr. ex A. Gray] - see IMF  
  [*Geranium fremontii* Torr. ex A. Gray var. *cowenii* (Rydb.) Harrington] - HDH  
  [*Geranium intermedium* E. James] - Goodman95
- ∴ *Geranium bicknellii* Britton var. *longipes* (S. Wat.) Fernald - SF!, W&W, E/W  
  [*Geranium bicknellii* Britton] - Dorn01, GPF, IMF, KTZ, UTF  
  [*Geranium carolinianum* L. var. *longipes* S. Wat.] - HDH
- Geranium caespitosum* E. James var. *caespitosum* - Dorn01, KTZ, E/W  
  [NS - See UT3 p. 324 regarding taxonomic work needed in *G. caespitosum* complex]  
  [*Geranium caespitosum* E. James] - HDH, IMF, UTF  
  [*Geranium caespitosum* E. James subsp. *caespitosum*] - SF!  
  [*Geranium caespitosum* E. James ex Torr. subsp. *caespitosum*] - W&W  
  [*Geranium caespitosum* E. James var. *parryi* (Engelm.) W. A. Weber] - KTZ, UTF  
  [*Geranium parryi* (Engelm.) A. Heller] - HDH
- Geranium caespitosum* E. James var. *fremontii* (Torr. ex A. Gray) Dorn - Dorn01, KTZ, E/W  
  [*Geranium caespitosum* E. James] - see IMF, UTF  
  [*Geranium caespitosum* E. James subsp. *caespitosum*] - SF!  
  [*Geranium caespitosum* E. James ex Torr. subsp. *caespitosum*] - W&W  
  [*Geranium fremontii* Torr. ex A. Gray] - see IMF  
  [*Geranium fremontii* Torr. ex A. Gray var. *fremontii*] - HDH
- Δ *Geranium carolinianum* L. - Dorn01, GPF, IMF, UTF  
  [*Geranium carolinianum* L. var. *carolinianum*] - HDH, exp., KTZ
- ∴ *Geranium columbinum* L. - KTZ, SFE, W&W, E  
∴ *Geranium ibericum* Cav. - KTZ, SFE, W&W<sup>1</sup>, E  
{*Geranium pusillum* Burm. f.} - HDH, SFE, not persisting, W&W, misapp., E  
∴ *Geranium pusillum* L. - Dorn01, GPF, IMF, KTZ, UTF
- Geranium richardsonii* Fisch. & Trautv. - Dorn01, GPF, HDH, IMF, KTZ, SF!, W&W, E/W  
*Geranium viscosissimum* Fisch. & C. A. Mey. ex C. A. Mey. var. *viscosissimum* - Dorn01  
*Geranium viscosissimum* Fisch. & C. A. Mey. ex C. A. Mey. var. *incisum* (Torr. & A. Gray) N.  
  H. Holmgren - Dorn01, IMF, KTZ  
  [*Geranium nervosum* Rydb.] - HDH  
  [*Geranium viscosissimum* Fisch. & C. A. Mey. subsp. *nervosum* (Rydb.) W. A. Weber] - SF!, W&W  
  [*Geranium viscosissimum* Fisch. & C. A. Mey. ex C. A. Mey. var. *nervosum* (Rydb.) C. L. Hitchc.] - E/W  
  [*Geranium viscosissimum* Fisch. & C. A. Mey. var. *nervosum* (Rydb.) C. L. Hitchc.] - GP, UTF

## Gramineae (see POA)

## Grossulariaceae - GRS

(Identification sources: \_\_\_\_\_)

*Ribes americanum* Mill. - Dorn01, GPF, HDH, KTZ, SFE, W&W, E  
*Ribes aureum* Pursh var. *aureum* - Dorn01, KTZ, E/W  
 [ *Ribes aureum* Pursh ] - HDH, IMF, SF!, UTF, W&W  
 $\Delta$ *Ribes aureum* Pursh var. *villosum* DC. - Dorn01, KTZ, E  
 [ *Ribes odoratum* H. Wendl. ] - GPF, IMF, SFE, UTF, W&W  
*Ribes cereum* Douglas - HDH, IMF, SF!, W&W, E/W  
 [ *Ribes cereum* Douglas var. *cernum* ] - KTZ  
 [ *Ribes cereum* Douglas var. *pedicellare* Brewer & S. Watson ] - Dorn01, KTZ  
 [ *Ribes cereum* Douglas var. *inebrians* (Lindl.) C. L. Hitchc. ] - GPF, UTF  
*Ribes coloradense* Coville - HDH, SF!, UTF, W&W, E/W  
 [ *Ribes laxiflorum* Pursh ] - IMF, KTZ, UTF  
 { *Ribes divaricatum* Douglas } - IMF, KTZ, SF!, W&W, E/W  
 { WJ - A Pacific Coast species. Annotations by Q. Sinnott in error. T. Hogan agrees that all are *R. inerme*.  
 Sinnott's own paper (Rhodora 87, 1985) makes no mention of this taxon in our area }  
*Ribes inerme* Rydb. var. *inerme* - HDH, IMF, KTZ, E/W  
 [ *Ribes inerme* Rydb. var. *pubescens* A. Berger ] - HDH  
 [ *Ribes inerme* Rydb. ] - Dorn01, SF!, UTF, W&W  
 [ *Ribes inerme* Rydb. forma *incisum* W. A. Weber ] - SFE, W&W  
*Ribes lacustre* (Pers.) Poir. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Ribes leptanthum* A. Gray - HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Ribes montigenum* McClat. - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Ribes niveum* Lindl. - IMF, KTZ, Sinnott85  
*Ribes oxyacanthoides* L. var. *oxyacanthoides* - Dorn01, IMF  
 [ *Ribes oxyacanthoides* L. ] - GPF <CO>  
 [ *Ribes oxyacanthoides* L. subsp. *oxyacanthoides* ] - KTZ <NE, WY> - Sinnott85  
*Ribes oxyacanthoides* L. var. *setosum* (Lindl.) Dorn - Dorn01, IMF  
 [ *Ribes oxyacanthoides* L. subsp. *setosum* (Lindl.) Q. P. Sinnott ] - KTZ <NE, UT, WY>, Sinnott85  
 [ *Ribes setosum* Lindl. ] - GPF <CO>, HDH, exp., UTF  
*Ribes viscosissimum* Pursh - HDH, IMF, KTZ, SF!, W&W, E/W  
 [ *Ribes viscosissimum* Pursh var. *viscosissimum* ] - UTF  
*Ribes wolfii* Rothrock - HDH, IMF, KTZ, SF!, UTF, W&W, E/W

### **Haloragaceae - HAL (= Haloragidaceae; see also PTG)**

{ *Myriophyllum heterophyllum* Michx. } - M&H, exp.  
*Myriophyllum sibiricum* Kom. - Dorn01, IMF, KTZ, SF!, W&W, E/W  
 [ *Myriophyllum exalbescens* Fernald ] - GPF, HDH, UTF  
*Myriophyllum spicatum* L. - IMF, KTZ  
 [ Andy Kratz, USFS, pers. comm. ]  
*Myriophyllum verticillatum* L. - GPF, HDH, IMF, KTZ, SFW, UTF, W&W, W

### **Haloragidaceae (see HAL)**

### **Helleboraceae (see RAN)**

### **Hemerocallidaceae (see XAN)**

### **Hippocastanaceae (see SAP)**

## Hippuridaceae - HPU

*Hippuris vulgaris* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

## Hydrangeaceae - HDR

*Fendlera rupicola* A. Gray

[WJ - see notes in IMF regarding rationale for not recognizing varieties]

[*Fendlera rupicola* A. Gray var. *falcata*] - KWA, M&H

[*Fendlera rupicola* A. Gray var. *rupicola*] - W

[*Fendlera rupicola* A. Gray] - HDH, KTZ, SFW, UTF, W&W

[*Fendlera rupicola* Engelm. & A. Gray] - IMF

[*Fendlera rupicola* A. Gray var. *wrightii* A. Gray] - KWA, M&H

[*Fendlera wrightii* (A. Gray) Heller] - KTZ

*Fendlerella utahensis* (S. Watson) A. Heller - HDH, SFW, UTF, W&W, W

[*Fendlerella utahensis* (S. Watson) A. Heller var. *utahensis*] - IMF, KTZ

*Jamesia americana* Torr. & A. Gray var. *americana* - GPF, IMF, KTZ, E/W

[*Jamesia americana* Torr.] - SFW

[*Jamesia americana* Torr. & A. Gray] - Dorn01, HDH, SFE, W&W

[*Jamesia americana* Torr. & A. Gray var. *macrocalyx* (Small) Engler] - UTF

*Philadelphus microphyllus* A. Gray - IMF, KTZ, SF!, UTF, W&W, E/W

[*Philadelphus argenteus* Rydb.] - KTZ

[*Philadelphus microphyllus* A. Gray subsp. *microphyllus*] - HDH

[*Philadelphus microphyllus* A. Gray subsp. *occidentalis* (A. Nelson) Hitchc.] - HDH

[*Philadelphus microphyllus* A. Gray var. *occidentalis* (A. Nelson) Dorn] - Dorn01

[*Philadelphus microphyllus* A. Gray var. *ovatus* Hu] - KTZ

[*Philadelphus occidentalis* A. Nelson var. *minutus* (Rydb.) Hu] - KTZ

[*Philadelphus occidentalis* A. Nelson var. *occidentalis*] - KTZ

## Hydrocharitaceae - HDC (see also NAJ)

(Identification sources: \_\_\_\_\_)

∴ *Egeria densa* Planch. - FNA, KTZ <AZ, KS, NE, NM, OK, UT>

[*Elodea densa* (Planch.) Caspary] - GPF, HDH, possible escape

*Elodea* (see also **Egeria**)

*Elodea bifoliata* H. St. John - Dorn01, FNA, KTZ, SF!, W&W<sup>1</sup>, E/W

[*Elodea longivaginata* H. St. John] - GPF, IMF, UTF, W&W

*Elodea canadensis* Michx. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, E/W

[*Elodea canadensis* Richards.] - W&W

*Elodea nuttallii* (Planch.) H. St. John - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, W&W, E/W

{*Vallisneria americana* Michx.} - FNA, GPF, KTZ <AZ, NM, OK>

{*Vallisneria spiralis* L.} - HDH, exp., W&W, err. rep.

## Hypoxidaceae - HPX



*Hypoxis hirsuta* (L.) Coville - FNA, GPF, HDH, KTZ, SFE, W&W, E

[WJ - not collected in CO since 1959; possibly extirpated in CO]

[*Ornithogalum hirsutum* L.] - FNA

[*Hypoxis carolinensis* Michx.] - FNA

[*Hypoxis graminea* Pursh] - FNA

[*Hypoxis grandis* Pollard] - FNA

[*Hypoxis micrantha* Pollard] - FNA

[*Hypoxis pallida* Salisbury] - FNA

[*Hypoxis villosa* Raf.] - FNA

## Iridaceae - IRI

*Iris missouriensis* Nutt. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

[*Iris arizonica* Dykes] - FNA

[*Iris longipetala* Herbert var. *montana* Baker] - FNA

[*Iris montana* Nutt. ex Dykes] - FNA

[*Iris pariensis* S. L. Welsh] - FNA

[*Iris pelogonus* Goodding] - FNA

[*Iris tolmeiana* Herbert] - FNA

*Sisyrinchium angustifolium* Mill. - Dorn01

[*Sisyrinchium bermudiana* auct. non L.] - KTZ

[*Sisyrinchium graminoides* Bickn.] - KTZ

*Sisyrinchium demissum* Greene - FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

[*Sisyrinchium amethystinum* E. P. Bicknell] - FNA

[*Sisyrinchium demissum* var. *amethystinum* (E. P. Bicknell) Kearney & Peebles] - FNA

[*Sisyrinchium longipedunculatum* E. P. Bicknell] - FNA

{*Sisyrinchium halophilum* Greene} - HDH, IMF, KTZ <UT>, W&W

*Sisyrinchium idahoense* E. P. Bicknell var. *occidentale* (E. P. Bicknell) D. M. Hend. - Dorn01,  
FNA, KTZ, SF!, W&W, E/W

[*Sisyrinchium idahoense* E. P. Bicknell] - UTF, IMF

[*Sisyrinchium juncellum* Greene] - FNA

[*Sisyrinchium occidentale* E. P. Bicknell] - HDH

*Sisyrinchium montanum* Greene var. *montanum* - FNA, KTZ

[*Sisyrinchium alpestre* E. P. Bicknell] - FNA

[*Sisyrinchium heterocarpum* E. P. Bicknell] - HDH, FNA

[*Sisyrinchium montanum* Greene] - Dorn01, GPF, HDH, IMF, SF!, W&W, E/W

◆ *Sisyrinchium pallidum* Cholewa & D. M. Hend. - **ENDEMIC** <CO, WY>, Dorn01, FNA,  
KTZ, SFE, W&W, E

## Juglandaceae - JUG

*Juglans nigra* L. - Hartman06

{*Juglans rupestris* Engelm. var. *major* Torr.} - HDH rep., W&W<sup>1</sup>

{*Juglans major* (Torr.) A. Heller} - KTZ <AZ, NM, OK, UT>, UTF

{*Juglans major* (Torr.) A. Heller var. *major*} - FNA <AZ, NM, OK>

## Juncaceae - JUN

(Identification sources: \_\_\_\_\_)

*Juncus acuminatus* Michx. - FNA, GPF, HDH, KTZ, SFE, W&W, E  
*Juncus alpinoarticulatus* Chaix - FNA, W&W, E/W  
     [*Juncus alpino-articulatus* Chaix] - SF!, W&W<sup>1</sup>  
     [*Juncus alpinoarticulatus* Chaix subsp. *nodulosus* (Wahlenb.) Hämet-Ahti] - KTZ  
     [*Juncus alpinus* Villars] - GPF, HDH, IMF, UTF  
*Juncus articulatus* L. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Juncus arcticus* Willd. var. *balticus* (Willd.) Trautv. - FNA, E/W  
     [*Juncus arcticus* Willd.] - UTF  
     [*Juncus arcticus* Willd. subsp. *alter* (Rydb.) Hultén] - SF!, W&W<sup>1</sup>  
     [*Juncus ater* Rydb.] - W&W  
     [*Juncus balticus* Willd. var. *montanus* Engelm.] - Dorn01, GPF, HDH, IMF, KTZ  
     [*Juncus balticus* Willd. var. *vallicola* Rydb.] - Dorn01, HDH, KTZ  
*Juncus arcticus* Willd. var. *mexicanus* (Willd. ex Roem. & Schult.) Balslev - FNA  
     [*Juncus balticus* Willd. var. *mexicanus* (Willd.) Kuntze] - IMF  
     [*Juncus mexicanus* Willd. ex J. A. Schult. & J. H. Schult.] - KTZ<AZ, NM>  
*Juncus biglumis* L. - Dorn01, FNA, KTZ, SF!, W&W, E/W  
*Juncus brachycephalus* (Engelm.) Buchenau - FNA, GPF, KTZ, SFE, W&W, E  
*Juncus brachyphyllus* Wieg. - *Legler 5083* [voucher at RM]  
     [NS - Specimen identification confirmed by specialist P. Zika at U of WA {B. Legler, pers. comm. 2008}]  
*Juncus brevicaudatus* (Engelm.) Fernald - FNA, KTZ, SFE, W&W, E  
     [*Juncus tweedyi* Rydb.] - IMF, KTZ, SFE, UTF, W&W  
*Juncus bryoides* F. J. Herm. - FNA, KTZ, SFW, UTF, W&W, W  
     [*Juncus kelloggii* Engelm.] - IMF  
*Juncus bufonius* L. - Dorn01, FNA, GPF, HDH, IMF, SF!, UTF, E/W  
     [*Juncus ambiguus* Guss.] - KTZ  
     [*Juncus bufonius* L. var. *bufonius*] - KTZ, W&W  
     [*Juncus bufonius* L. var. *occidentalis* F. J. Herm.] - KTZ, SF!, W&W  
     [*Juncus sphaerocarpus* Nees] - HDH  
Δ*Juncus castaneus* J. E. Sm. - Dorn01, FNA, HDH, IMF, SF!, UTF, W&W, E/W  
     [*Juncus castaneus* J. E. Sm. subsp. *castaneus* var. *castaneus*] - KTZ  
∴ *Juncus compressus* Jacq. - Dorn01, FNA, KTZ, SF!, UTF, W&W, E/W  
*Juncus confusus* Coville - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
Δ*Juncus dichotomus* Elliott - FNA, KTZ, E  
     [*Juncus platyphyllus* (Wiegand) Fernald] - SFE, W&W  
*Juncus drummondii* E. Mey. - Dorn01, FNA, HDH, IMF, SF!, UTF, W&W, E/W  
     [*Juncus drummondii* E. Mey. var. *drummondii*] - KTZ  
     [*Juncus drummondii* E. Mey. var. *subtriflorus* (E. Mey.) C. L. Hitchc.] - KTZ  
*Juncus dudleyi* Wiegand - FNA, GPF, HDH, KTZ, SF!, W&W, E/W  
     [*Juncus tenuis* Willd. var. *dudleyi* (Wiegand) F. J. Herm. - Dorn01, IMF, UTF  
Δ*Juncus effusus* L. - FNA, GPF, SFE, W&W, E  
     [*Juncus effusus* L. var. *solutus* Fernald & Wiegand] - KTZ  
*Juncus ensifolius* Wikstr. var. *ensifolius* - Dorn01, FNA, IMF, UTF, E/W  
     [*Juncus ensifolius* Wikstr.] - KTZ, SF!, W&W  
*Juncus ensifolius* Wikstr. var. *montanus* (Engelm.) C. L. Hitchc. - Dorn01, FNA, GPF, IMF, E/W  
     [*Juncus ensifolius* Wikstr. var. *brunnescens* (Rydb.) Cronq. - IMF, UTF  
     [*Juncus saximontanus* A. Nelson] - HDH, KTZ, SF!, W&W  
     [*Juncus saximontanus* A. Nelson forma *brunnescens* (Rydb.) F. J. Hermann] - SFE  
     [*Juncus tracyi* Rydb.] - KTZ, SF!, W&W  
*Juncus filiformis* L. - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
Δ*Juncus gerardii* Loisel. - Dorn01, FNA, GPF, SFE, UTF, W&W, E

- [*Juncus gerardii* Loisel. var. *gerardii*] - KTZ  
*Juncus hallii* Engelm. - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Juncus interior* Wiegand - Dorn01, FNA, GPF, HDH, SFE, W&W, E/W  
 [*Juncus interior* Vasey] - SFW  
 [*Juncus interior* Wiegand var. *interior*] - KTZ, RMC  
 [*Juncus interior* Wiegand var. *neomexicanus* (Wiegand) F. J. Herm.] - KTZ  
 [*Juncus tenuis* Willd.] - IMF, UTF  
*Juncus longistylis* Torr. - Dorn01, FNA, GPF, HDH, IMF, SF!, UTF, W&W, E/W  
 [*Juncus longistylis* Torr. var. *longistylis*] - KTZ  
 {*Juncus macrandrus* Coville} - FNA, IMF, KTZ  
*Juncus marginatus* Rostk. - FNA, GPF, HDH, KTZ, SFE, W&W, E  
*Juncus mertensianus* Bong. - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Juncus nevadensis* S. Watson - Dorn01, FNA, IMF, SF!, UTF, W&W, E/W  
 [*Juncus badius* Suksd.] - HDH  
 [*Juncus nevadensis* S. Watson] - IMF, SF!, UTF, W&W  
 [*Juncus nevadensis* S. Watson var. *badius* (Suksd.) C. L. Hitchc.] - KTZ  
 [*Juncus nevadensis* S. Watson var. *nevadensis*] - KTZ  
*Juncus nodosus* L. - Dorn01, FNA, GPF, HDH, IMF, SF!, UTF, W&W, E/W  
 [*Juncus nodosus* L. var. *nodosus*] - KTZ  
*Juncus parryi* Engelm. - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Juncus tenuis* Willd. - FNA, KTZ, SFE, W&W<sup>1</sup>, E  
 [*Juncus tenuis* Willd. var. *multicornis* E. Mey.] - HDH, W&W  
*Juncus torreyi* Coville - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, W&W, E/W  
*Juncus triglumis* L. var. *albescens* Lange - Dorn01, FNA, IMF, E/W  
 [*Juncus albescens* (Lange) Fernald] - HDH, KTZ, SF!, W&W  
 [*Juncus triglumis* L. var. *albescens* (Fernald) Lange] - UTF  
*Juncus triglumis* L. var. *triglumis* - Dorn01, FNA, IMF at high latitudes, E/W  
 [*Juncus triglumis* L.] - KTZ, SF!, W&W  
*Juncus tweedyi* Rydb. - IMF, KTZ, SFE, UTF, W&W<sup>1</sup>  
 [*Juncus brevicaudatus* (Engelm.) Fern.] - FNA  
*Juncus vaseyi* Engelm. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, W&W, E/W
- Luzula comosa* E. Mey. - FNA, KTZ, SF!, W&W, E/W  
 [*Luzula campestris* (L.) DC.] - IMF, W&W<sup>1</sup>, misapp.  
 [*Luzula campestris* (L.) DC. var. *multiflora* (Ehrh.) Celak.] - IMF, UTF  
 [*Luzula multiflora* (Ehrh.) Lej.] - Dorn01, FNA  
 [*Luzula multiflora* (Retz.) Lej.] - GPF, HDH, W&W, misid.  
 [*Luzula multiflora* (Ehrh.) Lej. subsp. *multiflora* var. *multiflora*] - KTZ  
*Luzula fastigiata* E. Mey. - KTZ  
 [*Luzula parviflora* (Ehrh.) Desv.] - IMF  
*Luzula parviflora* (Ehrh.) Desv. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Luzula spicata* (L.) DC. - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 ◆ *Luzula subcapitata* (Rydb.) Harrington - **ENDEMIC** <CO>, FNA, HDH, KTZ, SF!, W&W, E/W  
 {*Luzula sudetica* (Willd.) DC.} - FNA, HDH  
 {*Luzula multiflora* (Ehrh.) Lej. subsp. *frigida* (Buchenau) Krecz.} - KTZ

## **Juncaginaceae - JCG**

- Triglochin maritima* L. - FNA, HDH, KTZ, SF!, UTF, W&W, E/W  
 [*Triglochin concinna* Burt-Davy] - SF!

[Triglochin concinna Burt-Davy var. debilis (M. E. Jones) J. T. Howell] - GPF, HDH rep., IMF, UTF  
[Triglochin debilis (M. E. Jones) A. Löve & D. Löve] - W&W  
[Triglochin maritima L. var. elata (Nutt.) A. Gray] - Dorn01, GPF, IMF  
Triglochin palustre L. - FNA, E/W  
[Triglochin palustris L.] - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W

## Krameriaceae - KRM

{Krameria erecta Willd. ex Schult. & Schult. f.} - IMF  
{WJ - *Aven Nelson 1034* erroneously labeled Colorado}  
{Krameria parviflora Benth. var. glandulosa (Rose & Painter) J. F. Macbr.} - HDH, W&W  
{Krameria parviflora Benth.} - UTF  
{Krameria erecta Willd. ex Schult.} - KTZ <AZ, NM, UT>  
Krameria lanceolata Torr. - GPF, HDH, KTZ, SFE, W&W, E

## Lamiaceae - LAM (= Labiatae)

(Identification sources: \_\_\_\_\_)

Agastache foeniculum (Pursh) Kuntze - Dorn01, GPF, KTZ, SFE, E  
[Agastache foeniculum Kuntze] - HDH, W&W  
Agastache pallidiflora (A. Heller) Rydb. subsp. neomexicana (Briq.) Lint & Epling - KWA,  
HDH, KTZ [also recogn. 2 vars.], W&W, err. rep.  
[Agastache neomexicana (Briq.) Standl.] - KWA  
[Agastache pallidiflora (A. Heller) Rydb. subsp. neomexicana (Briq.) Lint & Epling var. neomexicana (Briq.) R.  
W. Sanders] - KTZ <NM>  
Agastache pallidiflora (A. Heller) Rydb. var. pallidiflora - IMF, E/W  
[Agastache pallidiflora (A. Heller) Rydb.] - SF!, UTF  
[Agastache pallidiflora (A. Heller) Rydb. subsp. pallidiflora] - HDH  
[Agastache pallidiflora (A. Heller) Rydb. subsp. pallidiflora var. greenei (Briq.) R. W. Sanders] - KTZ, W&W  
Agastache urticifolia (Benth.) Kuntze var. urticifolia - IMF, KTZ, E/W  
[Agastache urticifolia Kuntze] - HDH  
[Agastache urticifolia (Benth.) Kuntze] - Dorn01, SF!, UTF, W&W

ΔClinopodium vulgare L. - HDH, KTZ, SF!, W&W, E/W  
[Satureja vulgaris (L.) Fritsch] - Dorn01, IMF

## Dracocephalum (see also **Physostegia**)

Dracocephalum parviflorum Nutt. - Dorn01, GPF, IMF, KTZ, SF!, UTF, W&W, E/W  
[Moldavica parviflora (Nutt.) Britton] - HDH  
Dracocephalum thymiflorum L. - Dorn01

∴ Galeopsis bifida Boenn. - GPF, KTZ, SF!, W&W, E/W  
[Galeopsis tetrahit L.] - HDH

∴ Glecoma hederacea L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

Hedeoma drummondii Benth. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
Hedeoma hispidum Pursh - Dorn01, GPF, SFE, W&W, E  
[Hedeoma hispida Pursh] - HDH, KTZ

*Hedeoma oblongifolia* (Gray) Heller - KWA, M&H, KTZ

[*Hedeoma piperita* var. *oblongifolia* Gray] - KTZ

[*Hedeoma thymoides* var. *oblongifolia* (Gray) Gray] - KTZ

∴ *Hyssopus officinalis* L. - KTZ, W&W

∴ *Lamium amplexicaule* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

∴ *Lamium purpureum* L. var. *purpureum* - KTZ, E/W

[*Lamium purpureum* L.] - GPF, HDH rep., IMF, SF!, UTF, W&W

∴ *Leonurus cardiaca* L. - Dorn01, GPF, HDH, IMF, SFE, UTF, W&W, E

[*Leonurus cardiaca* L. subsp. *cardiaca*] - KTZ

*Lycopus americanus* Muhl. ex W. P. C. Barton - Dorn01, GPF, HDH, KTZ, UTF, W&W, E/W

[*Lycopus americanus* Muhl.] - SF!

*Lycopus asper* Greene - Dorn01, GPF, IMF, KTZ, SF!, UTF, W&W, E/W

[*Lycopus lucidus* Turczaninow ex Benth.] - HDH

*Lycopus uniflorus* Michx. - Dorn01, GPF, HDH, SFE, W&W, E

[*Lycopus uniflorus* Michx. var. *uniflorus*] - KTZ

∴ *Marrubium vulgare* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Mentha* (see also **Monarda**)

*Mentha arvensis* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, W&W, E/W

[*Mentha arvensis* L. var. *glabrata* (Benth.) Fernald] - UTF

*Mentha X citrata* Ehrh. - IMF

[*Mentha aquatica* X *M. spicata*] - IMF

[*Mentha aquatica* L.] - KTZ <UT>

[*Mentha citrata* Ehrh.] - HDH, UTF

∴ *Mentha X piperita* L. - GPF, IMF, KTZ, UTF, E

[*Mentha aquatica* X *M. spicata*] - IMF

[*Mentha piperita* L.] - HDH, SFE, W&W

∴ *Mentha spicata* L. - Dorn01, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E

*Moldavica* (see **Dracocephalum**)

*Monarda fistulosa* L. var. *menthifolia* (Graham) Fernald - Dorn01, GPF, HDH, IMF, SFE, UTF, W&W, E/W

[*Monarda fistulosa* L.] - SFW

[*Monarda fistulosa* L. subsp. *fistulosa* var. *menthifolia* (Graham) Fernald] - KTZ

*Monarda pectinata* Nutt. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Monarda punctata* L. var. *occidentalis* (Epling) Palmer & Steyerm.

[*Mentha punctata* L.] - W&W<sup>1</sup>, err. rep.

[*Mentha punctata* L. subsp. *occidentalis* Epling] - GPF <CO>, HDH, W&W, err. rep.

[*Mentha punctata* L. subsp. *punctata* var. *occidentalis* (Epling) Palmer & Steyerm.] - KTZ <KS, OK, NM>

*Monardella odoratissima* Benth. var. *glauca* (Greene) H. St. John - Dorn01, IMF, W

[*Monardella glauca* Greene] - KTZ

[*Monardella odoratissima* Benth.] - HDH, KTZ, SFW, UTF, W&W

- ∴ *Nepeta cataria* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W
- ∴ *Nepeta racemosa* Lam. - Dorn01
- ∴ *Nepeta grandiflora* M.-Bieb. - Dorn01

*Physostegia parviflora* Nutt. ex A. Gray - Dorn01, KTZ GPF, IMF, KTZ, UTF, W&W, exp.  
[*Dracocephalum nuttallii* Britton] - HDH, rep.

*Poliomintha incana* (Torr.) A. Gray - HDH, exp., IMF, KTZ, SFW, UTF, W&W, W

Δ *Prunella vulgaris* L. var. *lanceolata* (W. P. C. Barton) Fernald - GPF, IMF, UTF, E/W  
[*Prunella vulgaris* L.] - Dorn01, HDH, SF!, W&W  
[*Prunella vulgaris* L. subsp. *lanceolata* (W. P. C. Barton) Hultén] - KTZ  
*Prunella vulgaris* L. var. *vulgaris* - KTZ

*Pycnanthemum virginianum* (L.) T. Durand & Jackson ex B. L. Robins. & Fernald - GPF, HDH,  
KTZ <KS, NE, OK>, W&W, err. rep.  
[*Pycnanthemum virginianum* (L.) T. Durand & Jackson] - W&W<sup>1</sup>

- ∴ *Salvia aethiops* L. - IMF, KTZ, SFE, UTF, W&W, E
- Δ *Salvia azurea* Michx. ex Lam. var. *grandiflora* Benth. - HDH, KTZ, E  
[*Salvia azurea* Lam.] - UTF  
[*Salvia azurea* Michx. ex Lam. subsp. *pitcheri* (Torr.) Epling] - HDH  
[*Salvia azurea* Lam. var. *grandiflora* Benth.] - SFE  
[*Salvia azurea* Michx. & Lam. var. *grandiflora* Benth.] - W&W  
[*Salvia azurea* Lam. var. *grandiflora* Benth.] - GPF
- Salvia subincisa* Bentham – KWA, M&H, KTZ
- ∴ *Salvia pratensis* L. - GPF, KTZ, SFE, W&W<sup>1</sup>, E
- Salvia reflexa* Hornem. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W
- ∴ *Salvia sclarea* L. - GPF, IMF, KTZ, UTF, W&W
- ∴ *Salvia X sylvestris* L. - KTZ, W&W<sup>1</sup>, misapp., E/W  
[*Salvia pratensis* X *S. nemorosa*] - KTZ  
[*Salvia nemorosa* L.] - Dorn01, GPF, KTZ, SF!, W&W<sup>1</sup>  
[*Salvia sylvestris* L.] - HDH, W&W

#### Satureja (see **Clinopodium**)

*Scutellaria brittonii* Porter - Dorn01, GPF, HDH, KTZ, SF!, W&W, E/W  
*Scutellaria galericulata* L. - Dorn01, GPF, HDH, IMF, KTZ, UTF, E/W  
[*Scutellaria galericulata* L. var. *epilobiifolia* (Hamilton) Jordal] - SF!, W&W  
*Scutellaria lateriflora* L. var. *lateriflora* - KTZ, E  
[*Scutellaria lateriflora* L.] - GPF, HDH, SFE, W&W  
*Scutellaria wrightii* A. Gray - KTZ <OK>, W  
[*Scutellaria resinosa* Torr.] - GPF, KTZ, SFW, W&W

*Stachys palustris* L. var. *pilosa* (Nutt.) Fernald - Dorn01, IMF, UTF, E/W  
[*Stachys palustris* L. subsp. *pilosa* (Nutt.) Epling] - GPF, HDH, SF!, W&W  
[*Stachys pilosa* Nutt. var. *pilosa*] - KTZ

*Teucrium canadense* L. var. *occidentale* (A. Gray) E. M. McClint. & Epling - Dorn01, HDH,

IMF, KTZ, UTF, E/W

[*Teucrium canadense* L. subsp. *occidentale* (A. Gray) W. A. Weber] - W&W

[*Teucrium canadense* L. subsp. *occidentale* (A. Gray) E. M. McClint. & Epling] - SF!

[*Teucrium canadense* L. var. *boreale* (E. P. Bicknell) Shinnery] - GPF

*Teucrium laciniatum* Torr. - GPF, HDH, KTZ, SFE, W&W, E

### **Leguminosae (see FAB)**

### **Lemnaceae (see ARA)**

### **Lentibulariaceae - LNT**

*Utricularia minor* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Utricularia ochroleuca* R. W. Hartm. - KTZ, SF!, W&W, E/W

*Utricularia macrorhiza* Leconte - Dorn01, KTZ, SF!, W&W

[*Utricularia vulgaris* L.] - GPF, HDH, IMF, UTF, W&W<sup>1</sup>, misapp., E/W

### **Liliaceae - LIL (see also ALL, ASG, CVL, HPX, MLN, SML, CHC, XAN)**

(Identification sources: \_\_\_\_\_)

*Allium* (see **ALL**)

*Androstephium* (see **ALL**)

*Anticlea* (see **Zigadenus** [MLN])

{*Calochortus aureus* S. Watson} - IMF, KTZ, UTF

[WJ - erroneous report; no specimens seen at ARIZ, BRY, COLO, CS, KHD, RM]

[NS - FNA (vol. 26) indicates out of our range]

{*Calochortus nuttallii* Torr. var. *aureus* (S. Watson) Ownbey} - FNA, HDH, W&W

{*Calochortus nuttallii* Torr. & A. Gray var. *aureus* (S. Watson) Ownbey}

*Calochortus flexuosus* S. Watson - FNA, HDH, IMF, KTZ, SFW, UTF, W&W, W

*Calochortus gunnisonii* S. Watson var. *gunnisonii* - FNA, IMF, KTZ, E/W

[*Calochortus gunnisonii* S. Watson] - Dorn01, GPF, HDH, SF!, UTF, W&W

*Calochortus gunnisonii* S. Watson var. *perpulcher* Cockerell - FNA

{*Calochortus macrocarpus* Douglas} - HDH rep., IMF, W&W, err. rep.

{*Calochortus macrocarpus* Douglas var. *macrocarpus*} - KTZ

*Calochortus nuttallii* Torr. & A. Gray - Dorn01, FNA, GPF, IMF, KTZ, SFW, UTF, W

[*Calochortus nuttallii* Torr. var. *nuttallii*] - HDH, W&W

*Disporum* (see **CHC**)

*Erythronium grandiflorum* Pursh subsp. *chrysandrum* Applegate - HDH, E/W

[*Erythronium giganteum* Lindley] - FNA

[*Erythronium grandiflorum* Pursh] - IMF, SF!, UTF, W&W

[*Erythronium grandiflorum* Pursh subsp. *chrysandrum* (Piper) Abrams] - FNA

[*Erythronium grandiflorum* Pursh var. *grandiflorum*] - Dorn01

[*Erythronium grandiflorum* Pursh subsp. *grandiflorum*] - FNA, KTZ

[*Erythronium grandiflorum* Pursh var. *nudipetalum* [as "*nudopetalum*"] (Applegate) C. L. Hitchc.] - FNA  
[*Erythronium grandiflorum* Pursh var. *pallidum* H. St. John] - FNA  
[*Erythronium parviflorum* (S. Watson) Goodding] - FNA

*Fritillaria atropurpurea* Nutt. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
[*Fritillaria adamantina* M. Peck] - FNA  
[*Fritillaria gracillima* Smiley] - FNA  
[*Fritillaria linearis* J. M. Couluter & Fisher] - FNA  
*Fritillaria pudica* (Pursh) Spreng. - Dorn01, GPF, HDH, IMF, KTZ, SFW, UTF, W&W, W

*Lilium philadelphicum* L. var. *andinum* (Nutt.) Ker Gawler - Dorn01, GPF, KTZ, E/W  
[*Lilium andinum* Nuttall] - FNA  
[*Lilium montanum* A. Nelson] - FNA  
[*Lilium philadelphicum* L.] - FNA, SF!, W&W  
[*Lilium umbellatum* Pursh] - HDH, FNA

*Lloydia serotina* (L.) Rchb. var. *serotina* - FNA, E/W  
[*Bulbocodium serotinum* L.] - FNA  
[*Lloydia serotina* Rchb.] - Dorn01, SFE  
[*Lloydia serotina* (L.) Sweet] - HDH  
[*Lloydia serotina* (L.) Salisb.] - SFW  
[*Lloydia serotina* (L.) Salisb. ex Rchb.] - IMF, W&W  
[*Lloydia serotina* (L.) S. Watson] - UTF  
[*Lloydia serotina* (L.) Rchb. subsp. *serotina*] - KTZ

Prosartes (see **Disporum** [CHC])

Smilacina (see **Maianthemum** [RUS])

Toxicoscordion (see **Zigadenus** [MLN])

### **Limnanthaceae - LIM**

*Floerkea proserpinacoides* Willd. - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

### **Limoniaceae (see PLB)**

### **Linaceae - LIN**

(Identification sources: \_\_\_\_\_)

Adenolinum (see **Linum**)

*Linum aristatum* Engelm. - GPF, IMF, KTZ, UTF, W  
[*Mesynium aristatum* (Engelm.) W. A. Weber] - SFW, W&W  
*Linum australe* A. Heller var. *australe* - KTZ, E/W  
[*Linum australe* A. Heller] - Dorn01, HDH, IMF, UTF  
[*Mesynium australe* (A. Heller) W. A. Weber] - SF!, W&W  
*Linum berlandieri* Hook. var. *berlandieri* - KTZ  
[*Linum berlandieri* Hook.] - HDH



[*Linum rigidum* Pursh var. *berlandieri* (Hook.) Torr. & A. Gray] - GPF

[*Mesynium rigidum* (Pursh) A. Löve & D. Löve] - W&W

∴ *Linum grandiflorum* Desf. - IMF, KTZ, UTF, E

[*Adenolinum grandiflorum* (Desf.) W. A. Weber] - SFE, W&W

*Linum kingii* S. Watson - Dorn01, HDH, IMF, KTZ, UTF, W

[*Mesyniopsis kingii* (S. Watson) W. A. Weber] - SFW, W&W

*Linum lewisii* Pursh var. *lewisii* - IMF, KTZ, E/W

[*Adenolinum lewisii* (Pursh) A. Löve & D. Löve] - SF!, W&W

[*Linum lewisii* Pursh] - Dorn01, HDH

[*Linum perenne* L. subsp. *lewisii* (Pursh) Hultén] - UTF

[*Linum perenne* L. var. *lewisii* (Pursh) Eat. & J. Wright] - GPF

∴ *Linum perenne* L.

[WJ - A ubiquitous weed in CO. It is the plant sold in highway/pipeline revegetation mixtures as *L. lewisii*, which is seen widely along highways. *L. perenne* is very erect, producing a very attractive bouquet shaped plant with copious flowers. It has pin and thrum morphs. *L. lewisii* has fewer flowers and comes out of the ground nearly horizontally; its style exceeds anthers on all plants]

*Linum pratense* (Norton) Small - GPF, KTZ, E

[*Adenolinum pratense* (Norton) W. A. Weber] - SFE, W&W

*Linum puberulum* (Engelm.) A. Heller - Dorn01, GPF, HDH, IMF, KTZ, UTF, E/W

[*Mesynium puberulum* (Engelm.) W. A. Weber] - SF!, W&W

*Linum rigidum* Pursh var. *compactum* (A. Nelson) C. M. Rogers - Dorn01, GPF, E

[*Linum compactum* A. Nelson] - HDH, KTZ

[*Mesynium rigidum* (Pursh) A. Löve & D. Löve] - SFE, W&W

*Linum rigidum* Pursh var. *rigidum* - Dorn01, GPF, KTZ, E

[*Linum rigidum* Pursh] - HDH

[*Mesynium rigidum* (Pursh) A. Löve & D. Löve] - SFE, W&W

*Linum rigidum* Pursh var. *simulans* C. M. Rogers - KTZ

∴ *Linum usitatissimum* L. - Dorn01, GPF, HDH, KTZ, SF!, W&W, E/W

[NS - evidently only 2 collections from CO and none from wild: one from 1890 at CS (WJ, pers. comm.) and one at GREE from 1905]

Mesyniopsis (see **Linum**)

Mesynium (see **Linum**)

## **Linnaeaceae - LNA**

*Linnaea borealis* L. var. *longiflora* Torr. - Dorn01, IMF, UTF, E/W

[*Linnaea borealis* L.] - GPF

[*Linnaea borealis* L. subsp. *americana* (Forbes) Hultén] - W&W

[*Linnaea borealis* L. subsp. *americana* (Forbes) Hultén ex Clausen] - KTZ, W&W

[*Linnaea borealis* L. var. *americana* (Forbes) Rehder] - HDH

[*Linnaea borealis* L. subsp. *longiflora* (Torr.) Hultén] - KTZ, SF!

## **Loasaceae - LOA**

(Identification sources: \_\_\_\_\_)

Acrolasia (see **Mentzelia**)

*Cevallia sinuata* Lag. - KWA, M&H, KTZ

## Mentzelia

[NS - existing keys do not work well for some material in the southern part of our range {Schiebout08}]

### Mentzelia albicaulis (Douglas ex Hook.) Douglas ex Torr. & A. Gray - KTZ, E/W

[Acrolasia albicaulis (Douglas) Rydb.] - SF!

[Acrolasia albicaulis (Douglas ex Hook.) Rydb.] - W&W

[Acrolasia gracilis Rydb.] - SFE, W&W

[Mentzelia albicaulis (Hook.) Torr. & A. Gray] - GPF, UTF

[Mentzelia albicaulis (Dougl. ex Hook.) Dougl. ex Torr. & A. Gray] - Dorn01

[Mentzelia albicaulis Douglas ex Hook. var. albicaulis] - HDH

### Mentzelia argillosa J. Darl. - KTZ, UTF, W

[Nuttallia argillosa (J. Darl.) W. A. Weber] - SFW, W&W

### ◆ Mentzelia chrysantha Engelm. ex Brandegee - **ENDEMIC** <CO>, HDH, KTZ, E

[Mentzelia lutea Greene] - HDH, exp.

[Nuttallia chrysantha Greene] - SFE

[Nuttallia chrysantha (Engelm. ex Brandegee) Greene] - W&W

### Mentzelia cronquistii H. J. Thoms. & Prigge - KTZ, W

[Mentzelia marginata (Osterh.) H. J. Thoms. & Prigge] - UTF

[Nuttallia cronquistii (H. J. Thoms. & Prigge) W. A. Weber] - SFW, W&W

### Mentzelia decapetala (Pursh ex Sims) Urb. & Gilg ex Gilg - Dorn01, KTZ, E

[Mentzelia decapetala (Pursh) Urb. & Gilg] - GPF, HDH

[Nuttallia decapetala (Pursh) Greene] - SFE

[Nuttallia decapetala (Pursh ex Sims) Greene] - W&W

### ◆ Mentzelia densa Greene - **ENDEMIC** <CO>, HDH, KTZ, E

[Mentzelia speciosa (Osterh.) Greene]

[Nuttallia densa (Greene) Greene] - W&W

[Nuttallia speciosa (Osterh.) Greene] - SFE

### Mentzelia dispersa S. Watson

[NS - following Dorn01 in not recognizing varieties in our region]

[Acrolasia dispersa (S. Watson) A. Davids.] - SF!, W&W

[Mentzelia dispersa S. Watson] - GPF, UTF

[Mentzelia dispersa S. Watson var. compacta (A. Nelson) J. F. Macbr. - HDH, KTZ, E/W

[Mentzelia dispersa S. Watson var. dispersa] - HDH, KTZ, E/W

[Mentzelia dispersa S. Watson var. latifolia (Rydb.) J. F. Macbr.] - HDH, KTZ, E/W

[Mentzelia dispersa S. Watson] - GPF, UTF

### Mentzelia humilis (A. Gray) J. Darl. - KWA, M&H, HDH, KTZ, W

[Acrolasia humilis Osterhout] - KTZ

[Acrolasia thompsonii (Glad.) W.A. Weber] - KTZ

[Mentzelia thompsonii Glad.] - KTZ

[Nuttallia gypsea Woot. & Standl.] - M&H

[Nuttallia humilis (A. Gray) Rydb.] - SFW, W&W, err. rep.

### Mentzelia laciniata (Rydb.) J. Darl. - HDH, KTZ, W

[Nuttallia laciniata (Rydb.) Wooton & Standl.] - SFW, W&W

### Mentzelia laevicaulis (Douglas ex Hook.) Torr. & A. Gray var. laevicaulis - KTZ, W

[Mentzelia laevicaulis (Douglas) Torr. & A. Gray] - Dorn01, GPF, UTF

[Nuttallia laevicaulis (Douglas) Greene] - SFW

### Mentzelia marginata (Osterh.) H. J. Thoms. & Prigge - KTZ, UTF, W

[Nuttallia marginata Osterh.] - SFW, W&W

### Mentzelia montana (Davids.) Davids. - Dorn01, KTZ

[Acrolasia dispersa (S. Watson) Davids.] - W&W

[Mentzelia albicaulis (Hook.) Torr. & A. Gray] - UTF

### Mentzelia multicaulis (Osterh.) A. Nelson ex J. Darl. var. multicaulis - KTZ, W

[Mentzelia multicaulis (Osterh.) J. Darl.] - HDH

- [*Mentzelia multicaulis* (Osterh.) J. Darl. var. *multicaulis*] - UTF  
 [Nuttallia *multicaulis* Osterh.] - SFW  
 [Nuttallia *multicaulis* (Osterh.) Osterh.] - W&W  
*Mentzelia multicaulis* (Osterh.) A. Nelson ex J. Darl. var. *uintahensis* N. H. Holmgren & P. K. Holmgren - Holmgren02  
 {*Mentzelia multiflora* (Nutt.) A. Gray var. *integra* M. E. Jones} - KTZ <AZ, NM, UT>  
 {*Mentzelia integra* (M. E. Jones) Tidestr.} - HDH, exp., UTF  
 {Nuttallia *pterosperma* (Eastw.) Greene} - W&W  
*Mentzelia multiflora* (Nutt.) A. Gray var. *multiflora* - KTZ, E/W  
 [*Mentzelia multiflora* (Nutt.) A. Gray] - GPF, HDH, UTF  
 [Nuttallia *multiflora* (Nutt.) Greene] - SF!, W&W  
*Mentzelia nuda* (Pursh) Torr. & A. Gray  
 [*Mentzelia nuda* (Pursh) Torr. & A. Gray var. *nuda*] - HDH, KTZ, E  
 [Nuttallia *nuda* (Pursh) Greene] - SFE, W&W  
 [*Mentzelia nuda* (Pursh) Torr. & A. Gray var. *stricta* (Osterh.) Harrington] - HDH, KTZ, E  
*Mentzelia oligosperma* Nutt. ex Sims - Dorn01, KTZ, W&W, E  
 [*Mentzelia oligosperma* Nutt.] - GPF, HDH, SFE  
*Mentzelia pterosperma* Eastw. - HDH, KTZ, UTF, W  
 [Nuttallia *pterosperma* (Eastw.) Greene] - SFW, W&W  
*Mentzelia pumila* Torr. & A. Gray - Dorn01, GPF, HDH,  
 [NS - we follow Dorn01 and IMF in not recognizing varieties]  
 [*Mentzelia integra* (M.E. Jones) Tides.] - M&H  
 [*Mentzelia multiflora* var. *integra* M.E. Jones ] - KTZ, M&H  
 [Nuttalliana *integra* (M.E. Jones) Rydb.] - M&H  
 [*Mentzelia pumila* Torr. & A. Gray var. *integra* M.E. Jones] - KWA, M&H, JM, not rep.  
 [*Mentzelia pumila* Torr. & A. Gray var. *procera* (Woot. & Standl.) J. Darl.] - KWA, M&H  
 [*Mentzelia pumila* Torr. & A. Gray var. *pumila*] - KTZ, Darlington34, UTF  
 [Nuttalliana *springeri* Standl.] - M&H  
 [Nuttalliana *procera* Woot. & Standl.] - M&H  
 [Nuttallia *pumilia* (Nutt.) Greene] - W&W, out of range  
*Mentzelia reverchonii* (Urb. & Gilg) H. J. Thoms. & Zavort. - GPF, KTZ, E  
 [Nuttallia *reverchonii* (Urb. & Gilg) W. A. Weber] - SFE, W&W  
*Mentzelia rhizomata* Reveal - Reveal  
*Mentzelia rusbyi* Wooton - Dorn01, KTZ, UTF, E/W  
 [*Mentzelia nuda* (Pursh) Torr. & A. Gray var. *rusbyi* (Wooton) Harrington] - HDH  
 [Nuttallia *rusbyi* (Wooton) Rydb.] - SF!, W&W  
*Mentzelia sinuata* (Rydb.) R. J. Hill - Dorn01, KTZ, E  
 [Nuttallia *sinuata* (Rydb.) Daniels] - SFE, W&W  
*Mentzelia speciosa* Osterh. - Dorn01, KTZ, E  
 [*Mentzelia multiflora* (Nutt.) A. Gray] - UTF  
 [Nuttallia *speciosa* (Osterh.) Greene] - SFE, W&W  
*Mentzelia thompsonii* Glad. - UTF, W  
 [Acrolasia *humilis* Osterh.] - SFW, W&W  
 [*Mentzelia humilis* (A. Gray) J. Darl.] - KTZ  
 {*Mentzelia veatchiana* Kellogg} - KTZ <AZ>  
 {Acrolasia *veatchiana* Kellogg} - W&W, misapp.  
 {*Mentzelia albicaulis* Douglas ex Hook.}  
 {*Mentzelia albicaulis* Douglas ex Hook. var. *veatchiana* (Kellogg) Urban & Gilg} - HDH

Nuttallia (see **Mentzelia**)

**Lobeliaceae** (see **CAM**)

**Loranthaceae** – (see **SAN**; family boundaries with **SAN** and **VIS** still unresolved)

**Lythraceae - LYT**

{*Ammannia coccinea* Rottb.} - GPF, HDH, IMF, KTZ, W&W, misapp.  
*Ammannia robusta* Heer & Regel - Dorn01,GPF, IMF, KTZ, SF!, W&W, E/W  
[*Ammannia coccinea* Rottb. subsp. *robusta* (Heer & Regel) Koehne] - UTF

*Lythrum alatum* Pursh var. *alatum* - GPF, KTZ, E  
[*Lythrum alatum* Pursh] - Dorn01,HDH, SFE, W&W  
∴ *Lythrum salicaria* L.- Dorn01, GPF, IMF, KTZ, SF!, UTF, W&W, E/W

*Rotala ramosior* (L.) Koehne - GPF, IMF, KTZ, SF!, W&W, E/W  
[*Rotala ramosior* (L.) Koehne var. *interior* Fernald & Grisc.]

**Malvaceae - MLV**

(Identification sources: \_\_\_\_\_)

*Abutilon incanum* (Link) Sweet subsp. *incanum* - E  
[*Abutilon incanum* (Link) Sweet] - GPF, HDH, KTZ, SFE, W&W  
*Abutilon parvulum* A. Gray - GPF, HDH rep., KTZ, SFE, UTF, W&W, E  
∴ *Abutilon theophrasti* Medik. - Dorn01,GPF, HDH, exp.KTZ, SF!, UTF, W&W, E/W  
  
∴ *Alcea rosea* L. - Dorn01, FCF, KTZ, SFE, W&W<sup>1</sup>, E  
[*Althaea rosea* Cav.] - HDH, corr. & add., GPF  
[*Althaea rosea* L.] - W&W  
[*Althaea rosea* (L.) Cav.] - UTF

*Althaea* (see **Alcea**)

Δ*Anoda cristata* (L.) Schtdl. - GPF, KTZ, SFE, W&W, E  
[WJ - collected once in onion field at CSU Experiment Station, Rocky Ford in 1966]

*Callirhoë alcaeoides* (Michx.) A. Gray - KWA, KTZ, M&H, JM, not rep.  
[*Sida alcaeoides* Michx.] - M&H  
*Callirhoë involucrata* (Torr. & A. Gray) A. Gray var. *involucrata* - KTZ, E  
[*Callirhoë involucrata* (Nutt. ex Torr.) A. Gray] - Dorn01  
[*Callirhoe involucrata* (Torr. & A. Gray) A. Gray] - GPF, HDH  
[*Callirhoë involucrata* (Nutt. ex Torr.) A. Gray var. *involucrata*]  
[*Callirhoë involucrata* (Torr. & A. Gray) A. Gray] - SFE, W&W  
*Callirhoë involucrata* (Torr. & A. Gray) A. Gray var. *lineariloba* (Torr. & A. Gray) A. Gray  
- KTZ, Dorr90  
[*Callirhoë involucrata* (Torr. & A. Gray) A. Gray - GPF  
[*Callirhoë involucrata* (Nutt. ex Torr.) A. Gray var. *lineariloba* (Torr. & A. Gray) A. Gray

∴ *Hibiscus trionum* L. - Dorn01, GPF, HDH, KTZ, SF!, UTF, W&W, E/W

## Iliamna

[NS - Taxonomy follows revision of entire genus (Bodo Slotta01) based primarily on ITS but also morphology]

(Identification sources: \_\_\_\_\_)

### ◆ Iliamna crandallii (Rydb.) Wiggins - KTZ, SF!, W&W, Bodo Slotta01

[Sphaeralcea crandallii Rydb.] - Bodo Slotta01

[Phymosisa crandallii (Rydb.) Rydb.] - Bodo Slotta01

### Iliamna grandiflora (Rydb.) Wiggins - KTZ, SFW, W&W, E/W, Fryxell94, Bodo Slotta01

[Iliamna angulata Greene] - Bodo Slotta01

[Phymosisa grandiflora (Rydb.) Rydb.] - Bodo Slotta01

[Sphaeralcea grandiflora Ryd.] - Bodo Slotta01

### Iliamna rivularis (Douglas ex Hook.) Greene var. rivularis - KTZ, E/W

[Iliamna rivularis (Douglas) Greene] - HDH, SF!, UTF, W&W

[Iliamna rivularis (Douglas ex Hook.) Greene] - Dorn01

∴ Malva neglecta Wallr. - Dorn01, GPF, HDH, KTZ, SF!, UTF, W&W, E/W

∴ Malva parviflora L. - Dorn01, GPF, HDH, KTZ, SFE, UTF, W&W, E

∴ Malva pusilla Sm. - Dorn01

[Malva rotundifolia L.] - KTZ

∴ Malva sylvestris L. - Dorn01

∴ Malva verticillata L. - Dorn01, GPF, KTZ, E

[Malva crispa L.] - HDH

[Malva crispa (L.) L.] - SFE, W&W

[Malva verticillata L. var. crispa L.] - UTF

### Malvella lepidota (A. Gray) Fryxell - W&W, err. rep., KTZ <AZ, NM>

[Voucher of D. Clark & C. Crawford at COLO]

### Δ Malvella leprosa (Ortega) Krapov. - GPF, KTZ, SFE, UTF, W&W, E

[Sida hederacea (Douglas) Torr.] - HDH

### Malvella sagittifolia (A. Gray) Fryxell - GPF, KTZ, SFE, W&W, E

[WJ - one collection, 1939, major disjunct from TX, likely a waif]

[Sida lepidota A. Gray var. sagittifolia A. Gray] - HDH

## Sida (see also **Malvella**)

### Sida neomexicana A. Gray - FCF

[NS - otherwise reported for CO?; [WJ - I know of no Colorado collections]

### Sidalcea candida A. Gray var. candida - KTZ, UTF, E/W

[Sidalcea candida A. Gray] - Dorn01, HDH, SF!, W&W

### Sidalcea candida A. Gray var. glabrata C. L. Hitchc. - KTZ, UTF, E/W

[Sidalcea candida A. Gray] - SF!, W&W

### Sidalcea neomexicana A. Gray var. neomexicana - UTF, E/W

[Sidalcea neomexicana A. Gray] - Dorn01, HDH, SF!, W&W

[Sidalcea neomexicana A. Gray subsp. neomexicana] - KTZ

## Sphaeralcea

(Identification sources: \_\_\_\_\_)

- Sphaeralcea angustifolia* (Cav.) G. Don - KTZ, E  
 [Sphaeralcea angustifolia (Cav.) G. Don var. cuspidata A. Gray] - GPF, HDH, SFE, W&W
- Sphaeralcea coccinea* (Nutt.) Rydb. - Dorn01, SFE, UTF  
 [Sphaeralcea coccinea (Nutt.) Rydb. subsp. coccinea] - KTZ  
 [Sphaeralcea coccinea (Pursh) Rydb.] - GPF  
 [Sphaeralcea coccinea (Pursh) Rydb. subsp. coccinea] - HDH, W&W  
 [Sphaeralcea coccinea (Nutt.) Rydb. var. coccinea] - E/W  
 [Sphaeralcea coccinea (Nutt.) Rydb. subsp. dissecta (Nutt.) Kearney] - SFW  
 [Sphaeralcea coccinea (Pursh) Rydb. subsp. dissecta (Nutt.) Kearney] - HDH, W&W<sup>1</sup>  
 [Sphaeralcea coccinea (Nutt.) Rydb. subsp. elata (Baker f.) Kearney] - KTZ  
 [Sphaeralcea coccinea (Pursh) Rydb. subsp. elata (Baker f.) Kearney] - HDH, W&W
- {*Sphaeralcea digitata* (Greene) Rydb.} - HDH, exp.  
 {Sphaeralcea digitata (Greene) Rydb. subsp. digitata} - KTZ <AZ, NM, UT>  
 {Sphaeralcea digitata (Greene) Rydb. subsp. tenuipes (Wooton & Standl.) Kearney} - KTZ <NM>
- Sphaeralcea fendleri* A. Gray var. *elongata* Kearney - KWA, M&H, KTZ  
 [Sphaeralcea fendleri A. Gray subsp. *elongata* Kearney] - KTZ
- Sphaeralcea fendleri* A. Gray var. *fendleri* - W  
 [Sphaeralcea fendleri A. Gray] - GPF, HDH, SFW, W&W  
 [Sphaeralcea fendleri A. Gray subsp. *fendleri*] - KTZ
- Sphaeralcea grossularifolia* (Hook. & Arn.) Rydb. var. *grossularifolia* - FCF  
 {*Sphaeralcea hastulata* A. Gray} - KTZ <AZ, NM>  
 {Sphaeralcea subhastata J. M. Coult. subsp. *connata* Kearney} - HDH, exp.
- Sphaerolcea incana* Torr. ex A. Gray var. *cuneata* (Kearney) Kearney - KWA, M&H, JM, not rep.  
 [Sphaeralcea incana Torr. ex A. Gray subsp. *cuneata* Kearney] - KTZ
- Sphaeralcea incana* Torr. ex A. Gray var. *incana* - KWA, M&H, JM, not rep.  
 [Sphaeralcea incana Torr. ex A. Gray subsp. *incana*] - KTZ <AZ, NM>
- Sphaeralcea leptophylla* (A. Gray) Rydb. - HDH, KTZ, SFW, UTF, W&W, W
- Sphaeralcea munroana* (Douglas ex Lindl.) Spach. ex A. Gray - Dorn01  
 [WJ - intentionally introduced at CSU Piceance Basin Oil Shale Study Site]  
 [Sphaeralcea munroana (Douglas) Spach.] - HDH, exp., UTF  
 [Sphaeralcea munroana (Douglas ex Lindl.) Spach. ex A. Gray subsp. *munroana*] - KTZ  
 [Sphaeralcea munroana (Douglas ex Lindl.) Spach. ex A. Gray subsp. *subrhomboidea* (Rydb.) Kearney] - KTZ
- Sphaeralcea parvifolia* A. Nelson - HDH, KTZ, SFW, UTF, W&W, W

## Martyniaceae - MAR

Martynia (see *Proboscidea*)

- Proboscidea louisianica* (Mill.) Thell. subsp. *louisianica* - KTZ, E/W  
 [Martynia louisianica Mill.] - Dorn01, HDH  
 [Proboscidea louisianica (Mill.) Thell.] - GPF, IMF, SF!, UTF, W&W
- Proboscidea parviflora* (Woot.) Woot. & Standl. - KWA, M&H, KTZ, JM, not rep.  
 [Martynia parviflora Woot.] - M&H

## Melanthiaceae - MLN

(Identification sources: \_\_\_\_\_)

- Anticlea elegans* (Pursh) Rydb. - SF!, W&W, FNA, Zomlefer01, Zomlefer02, FNA  
 [Anticlea alpina A. Heller] - FNA

- [*Anticlea chlorantha* (Richardson) Rydb.] - FNA  
 [*Anticlea coloradensis* (Rydb.) Rydb.] - FNA  
 [*Anticlea glauca* (Nuttall) Kunth] - FNA  
 [*Anticlea gracilentata* (Greene) R. R. Gates] - FNA  
 [*Anticlea longa* (Greene) A. Heller] - FNA  
 [*Anticlea mohinorensis* (Greenman) R. R. Gates] - FNA  
 [*Melanthium glaucum* Nutt.] - FNA  
 [*Zigadenus alpinus* Blankinship] - FNA  
 [*Zigadenus chloranthus* Richardson] - FNA  
 [*Zigadenus coloradensis* Rydb.] - FNA  
 [*Zigadenus dilatatus* Greene] - FNA  
 [*Zigadenus elegans* Pursh] - Dorn01, FNA, GPF, HDH, IMF, UTF, E/W  
 [*Zigadenus elegans* Pursh subsp. *elegans*] - KTZ  
 [*Zigadenus elegans* var. *glaucus* (Nutt.) Preece ex Cronquist] - FNA  
 [*Zigadenus elegans* subsp. *glaucus* (Nutt.) Hultén] - FNA  
 [*Zigadenus glaucus* (Nutt.) Nutt.] - FNA  
 [*Zigadenus gracilentus* Greene] - FNA  
 [*Zigadenus longus* Greene] - FNA  
 [*Zigadenus mohinorensis* Greeneman] - FNA  
 [*Zigadenus washakie* A. Nelson] - FNA  
*Anticlea vaginata* Rydb. - Zomlefer01, Zomlefer02, SFW, W&W  
 [*Zigadenus vaginatus* (Rydb.) J. F. Macbr.] - FNA, KTZ, UTF, W  
 [*Zigadenus elegans* Pursh] - IMF  
*Anticlea virescens* (Kunth) Rydb.] - Zomlefer01, Zomlefer02, SF!, W&W<sup>1</sup>  
 [*Anticlea mexicana* Kunth] - FNA  
 [*Helonias virescens* Kunth in A. von Humboldt] - FNA  
 [*Zigadenus porrifolius* Greene] - FNA  
 [*Zigadenus virescens* (Kunth) J. F. Macbr.] - FNA, KTZ, E/W  
 [*Zigadenus virescens* var. *porrifolius* (Greene) O. S. Walsh ex Espejo & López-Ferrari] - FNA  
  
*Toxicoscordion paniculatum* (Nutt.) Rydb. - W&W, Zomlefer01, Zomlefer02, SFW  
 [*Helonias paniculata* Nuttall] - FNA  
 [*Zigadenus paniculatus* (Nutt.) S. Watson] - Dorn01, FNA, HDH, IMF, KTZ, UTF, W  
*Toxicoscordion venenosum* (S. Watson) Rydb. “var. *gramineus*” (Rydb.) Brasher comb. nov.  
 ined.  
 [*Toxicoscordion venenosum* (S. Watson) Rydb.] - SF!, W&W  
 [*Toxicoscordion acutum* (Rydb.) Rydb.] - FNA  
 [*Toxicoscordion falcatum* (Rydb.) Rydb.] - FNA  
 [*Toxicoscordion intermedium* (Rydb.) Rydb.] - FNA  
 [*Zigadenus acutus* Rydb.] - FNA  
 [*Zigadenus falcatus* Rydb.] - FNA  
 [*Zigadenus gramineus* Rydb.] - HDH  
 [*Zigadenus intermedius* Rydb.] - FNA  
 [*Zigadenus venenosus* S. Watson var. *gramineus* (Rydb.) Walsh ex M. Peck] - Dorn01, FNA, GPF, IMF, KTZ, UTF, E/W  
  
*Trillium ovatum* Pursh subsp. *ovatum* - FNA, KTZ, E/W  
 [*Trillium ovatum* Pursh] - Dorn01, HDH, SF!, W&W  
  
*Veratrum californicum* T. Durand - Dorn01, HDH, W&W, misapp., E/W  
 [*Veratrum californicum* T. Durand var. *californicum*] - IMF, FNA  
 [*Veratrum tenuipetalum* A. Heller] - KTZ, SF!, W&W

## Menyanthaceae - MNY

*Menyanthes trifoliata* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

**Mimosaceae** (see **FAB**)

**Molluginaceae - MOL**

Δ*Mollugo verticillata* L. - Dorn01, GPF, HDH, KTZ, SFE, W&W, E

**Monotropaceae** (see **ERI**)

**Moraceae - MOR** (see also **CAN**)

Δ*Maclura pomifera* (Raf.) C. K. Schneid. - FNA, GPF, KTZ, SFE, exp., SFW, UTF, W&W, W

∴ *Morus alba* L. - Dorn01, FNA, GPF, KTZ, SF!, UTF, W&W, E/W

**Myrsinaceae - MRS** (some formerly in **PRM**)

(Identification sources: \_\_\_\_\_)

∴ *Anagallis arvensis* L. - GPF, HDH, exp., UTF

[*Anagallis arvensis* L. forma *coerulea* (Schreb.) Baumg.] - W&W<sup>1</sup>

[*Anagallis arvensis* L. subsp. *foemina* (Mill.) Schinz & Thell.] - KTZ

*Anagallis minima* (L.) E. H. L. Krause - KTZ, SFE, W&W, E

[*Centunculus minimus* L.] - HDH, exp., Dorn01

*Glaux maritima* L. - Dorn01, GPF, HDH, KTZ, SF!, UTF, E/W

[*Glaux maritima* L. var. *angustifolia* B. Boivin] - W&W

[*Glaux maritima* L. subsp. *obtusifolia* (Fernald) B. Boivin]

*Lysimachia ciliata* L. - Dorn01, GPF, HDH, KTZ, SF!, UTF, W&W, E/W

∴ *Lysimachia nummularia* L. - GPF, KTZ, SFE, UTF, W&W, E

*Lysimachia thyrsoflora* L. - Dorn01, GPF, HDH, KTZ, UTF, E

[*Naumburgia thyrsoflora* (L.) Rchb.] - SFE, W&W

∴ *Lysimachia vulgaris* L. - KTZ, SFE, W&W, E

*Naumburgia* (see **Lysimachia**)

**Najadaceae** (see also **HDC, POT, RUP**)

{*Najas flexilis* (Willd.) Rostk. & Schmidt}- FNA, HDH rep., KTZ <AZ, NE, UT>

Δ*Najas guadalupensis* (Spreng.) Magnus subsp. *guadalupensis* - FNA, KTZ, E/W

[*Najas guadalupensis* (Spreng.) Magnus] - GPF, SFE, W&W

[*Najas guadalupensis* (Spreng.) Morong] - Dorn01, HDH, IMF, SFW, UTF

[*Najas guadalupensis* (Spreng.) Morong var. *guadalupensis*] - RMC



**Nolinaceae (see RUS)**

**Nyctaginaceae - NYC**

(Identification sources: \_\_\_\_\_)

*Abronia elliptica* A. Nelson - KTZ, SFW, W&W, Ackerfield08

[*Abronia fragrans* Nutt. ex Hook.] - UTF

[*Abronia fragrans* Nutt. ex Hook. var. *elliptica* (A. Nelson) Heimerl] - HDH

[*Abronia fragrans* Nutt. ex Hook. var. *elliptica* (A. Nelson) M. E. Jones] - Dorn01, W

[*Abronia salsa* Rydb.] - HDH

*Abronia fragrans* Nutt. ex Hook. - Ackerfield08, GPF, KTZ, UTF, W&W

[*Abronia carletonii* J. M. Coult. & Fisher] - HDH, KTZ, SFE, W&W, E

[*Abronia fragrans* Nutt.] - SF!

[*Abronia fragrans* Nutt. ex Hook. var. *fragrans*] - Dorn01, HDH, E/W

[*Abronia fragrans* Nutt. ex Hook. var. *glaucescens* A. Nels.] - HDH

*Abronia glabrifolia* Standl. - Ackerfield08

[*Abronia argillosa* S. L. Welsh & Goodrich] - KTZ, SFW, UTF, W&W, W

*Abronia nana* S. Watson var. *nana* - KTZ, UTF, W, Ackerfield08

[*Abronia nana* S. Watson] - SFW, W&W

*Allionia choisyi* Standl. - HDH, KTZ, SFE, W&W, E

*Allionia incarnata* L. - GPF, HDH, SF!, UTF, W&W, E/W

[*Allionia incarnata* L. var. *incarnata*] - KTZ

*Mirabilis albida* (Walter) Heimerl - GPF, KTZ, W&W

[*Mirabilis oblongifolia*] - KTZ, FCF

*Mirabilis alipes* (S. Watson) Pilz - KTZ, SFW, UTF, W&W, W

*Mirabilis comata* (Small) Standl. - HDH, KTZ, W

[*Oxybaphus comatus* (Small) Weatherby] - SFW, W&W

*Mirabilis decipens* (Standl.) Standl. - HDH rep., KTZ

[*Mirabilis linearis* (Pursh) Heimerl var. *decipiens* (Standl.) S. L. Welsh] - UTF

[*Oxybaphus linearis* (Pursh) B. L. Rob.] - W&W

*Mirabilis glabra* (S. Watson) Standl. - GPF, HDH, exp., KTZ, E

[*Mirabilis carletonii* (Standl.) Standl.] - GPF, HDH

[*Oxybaphus carletonii* (Standl.) Weatherby] - SFE, W&W

[*Oxybaphus glaber* S. Watson] - SFE, W&W

*Mirabilis hirsuta* (Pursh) MacMill. - Dorn01, GPF, HDH, KTZ, E

[*Oxybaphus hirsutus* (Pursh) Sweet] - SFE, W&W

*Mirabilis linearis* (Pursh) Heimerl - Dorn01, GPF, HDH, KTZ, E/W

[*Mirabilis gausapoides* (Standl.) Standl.] - GPF

[*Mirabilis lanceolata* (Rydb.) Standl.] - HDH

[*Mirabilis linearis* (Pursh) Heimerl var. *linearis*] - UTF

[*Oxybaphus decumbens* (Nutt.) Sweet] - SFE, W&W

[*Oxybaphus exaltatus* (Standl.) Weatherby] - SFE, W&W

[*Oxybaphus linearis* (Pursh) B. L. Rob.] - SF!, W&W

*Mirabilis melanotricha* (Standl.) Spellenb. - specimens at GREE

*Mirabilis multiflora* (Torr.) A. Gray var. *glandulosa* (Standl.) J. F. Macbr. - KTZ, W

[*Mirabilis glandulosa* (Standl.) W. A. Weber] - SFW, W&W

[*Mirabilis multiflora* (Torr.) A. Gray] - UTF

*Mirabilis multiflora* (Torr.) A. Gray var. *multiflora* - KTZ, E/W

- [*Mirabilis multiflora* (Torr.) A. Gray] - HDH, SF!, UTF, W&W  
*Mirabilis nyctaginea* (Michx.) MacMill. - Dorn01, GPF, HDH, KTZ, UTF, E  
 [Oxybaphus nyctagineus (Michx.) Porter] - W&W  
 [Oxybaphus nyctagineus (Michx.) Porter & Coult.] - SFE  
*Mirabilis oxybaphoides* (A. Gray) A. Gray - GPF, KTZ, UTF, W&W, E/W  
 [Mirabilis oxybaphoides A. Gray] - HDH, SF!  
 ◆ *Mirabilis rotundifolia* (Greene) Standl. - **ENDEMIC** <CO>, HDH, KTZ, E  
 [Oxybaphys rotundifolius (Greene) Standl.] - SFE, W&W

Oxybaphus (see **Mirabilis**)

- Tripterocalyx carnea* (Greene) L. A. Galloway var. *wootonii* (Standl.) L. A. Galloway -KTZ,  
 W&W, W  
 [Tripterocalyx carneus (Greene) L. A. Galloway var. *wootonii* (Standl.) L. A. Galloway] - SFW, UTF, W&W<sup>1</sup>  
 [Tripterocalyx *wootonii* Standl.] - HDH  
*Tripterocalyx micranthus* (Torr.) Hook. - Dorn01, GPF, HDH, KTZ, SF!, UTF, W&W, E/W

**Nymphaeaceae - NYM**

- Nuphar polysepala* Engelm. - Dorn01, FNA, E/W  
 [Nuphar lutea (L.) Sm. subsp. *polysepala* (Engelm.) E. O. Beal] - KTZ  
 [Nuphar lutea Sibth. & Sm. subsp. *polysepala* (Engelm.) E. O. Beal] - SF!, W&W  
 [Nuphar *polysepalum* Engelm.] - HDH, UTF

- Δ *Nymphaea odorata* Aiton var. *odorata*  
 [Nymphaea *odorata* Aiton] - GPF, UTF  
 [Nymphaea *odorata* Aiton subsp. *odorata*] - FNA, KTZ  
 [Nymphaea *odorata* Sol.] - W&W

**Oleaceae - OLE**

- Forestiera pubescens* Nutt. var. *pubescens* - KTZ, W  
 [Forestiera *neomexicana* A. Gray] - WJ, HDH, IMF  
 [Forestiera *pubescens* Nutt.] - GPF, SFW, UTF, W&W  
 {*Fraxinus americana* L.} - GPF, IMF, KTZ, UTF, W&W  
 {WJ - no evidence that it occurs out of cultivation}  
 {*Fraxinus americanus* L.} - HDH  
*Fraxinus anomala* Torr. ex S. Watson - HDH, IMF, UTF, W&W, W  
 [Fraxinus *anomala* Torr.] - SFW  
 [Fraxinus *anomala* Torr. ex S. Watson var. *anomala*] - KTZ  
 Δ *Fraxinus pennsylvanica* Marshall - Dorn01, GPF, HDH, IMF, KTZ, E  
 [Fraxinus *pennsylvanica* Marshall var. *lanceolata* Sarg.] - HDH  
 [Fraxinus *pennsylvanica* Marshall var. *lanceolata* (Borkh.) Sarg.] - SFE, UTF, W&W  
 ∴ *Ligustrum vulgare* L. - GPF, IMF, KTZ<NE, UT>, UTF  
 [WJ - cultivated and escaping]

- Menodora scabra* A. Gray - IMF, KTZ, UTF, E  
 [Menodora *scabra* (Engelm.) A. Gray] - HDH, SFE, W&W

∴ *Syringa vulgaris* L. - GPF, Hartman06, IMF, KTZ<KS, UT>, UTF

## Onagraceae - ONA

[NS - Includes changes from Wagner07; primarily the merging of *Calylophus*, *Guara*, and *Stenosiphon* into *Oenothera*, and the splitting of *Camissonia* into several segregate genera.]

(Identification sources: \_\_\_\_\_)

### Calylophus (see **Oenothera**)

{*Calylophus berlandieri* Spach subsp. *berlandieri*} - GPF, KTZ, E

{*Calylophus berlandieri* Spach} - SFE, W&W

{WJ - presence in CO based on report by Towner (Ann. Mo. Bot. Gard. 64: 48-120 [1977]), who cited a collection of Brenckle at SMU (*Brenckle 48124*) 12 mi S of Trinidad. This is a species of the Texas plains and otherwise occurs no closer than Hartley Co., TX at ca. 3900 ft elevation. The cited locality 12 mi S of Trinidad (CO) would be near the summit of Raton Pass at 7000 ft. This site is out of range, habitat, and elevation. There is no evidence Brenckle ever collected in CO. The specimen probably was taken near Trinidad, TX, ca 50 mi SE of Dallas}

### Camissonia (see also **Holmgrenia**, **Chylisimia**, **Eremothera**, **Taraxia**)

{*Camissonia chamaenerioides* (A. Gray) P. H. Raven} - IMF,KTZ<AZ, NM, UT>, UTF

{*Oenothera chamaenerioides* A. Gray} - HDH, exp.

{*Camissonia multijuga* (S. Watson) P. H. Raven} - IMF, KTZ <AZ, UT>, UTF, W&W, out of range

{*Oenothera multijuga* S. Watson var. *multijuga*} - HDH

{*Oenothera multijuga* S. Watson var. *orientalis* Munz} - HDH

*Camissonia parvula* (Nutt. ex Torr. & A. Gray) P. H. Raven - Dorn01, IMF, KTZ, W&W, W, Wagner07

[*Camissonia parvula* (Nutt.) P. H. Raven] - SFW, UTF

*Chamerion angustifolium* (L.) Holub var. *canescens* (A. W. Wood) N. H. Holmgren & P. K. Holmgren - Dorn01, IMF, E/W

[*Chamerion angustifolium* (L.) Holub subsp. *circumvagum* (Mosquin) Kartesz] - KTZ

[*Chamerion danielsii* D. Löve] - SFW, W&W

[*Chamerion danielsii* (Daniels) D. Löve] - SFE

[*Epilobium angustifolium* L. subsp. *circumvagum* Mosquin] - GPF

[*Epilobium angustifolium* L. var. *canescens* A. W. Wood] - UTF

[*Epilobium angustifolium* L. var. *platyphyllum* (Daniels) Fernald - HDH

*Chamerion latifolium* (L.) Holub - Dorn01, IMF, KTZ, Raven72, E/W

[*Chamerion subdentatum* (Rydb.) A. Löve & D. Löve] - SF!, W&W

[*Epilobium latifolium* L.] - HDH, UTF

*Chylisimia eastwoodiae* (Munz) W. L. Wagner & Hoch - Wagner07

[*Camissonia eastwoodiae* (Munz) P. H. Raven - IMF, KTZ, SFW, UTF, W&W, W

[*Oenothera eastwoodiae* (Munz) P. H. Raven - KTZ

[*Oenothera scopoidea* Nutt. ex Torr. & A. Gray var. *eastwoodiae* Munz] - HDH

*Chylisimia scapoidea* (Torr. & A. Gray) Small subsp. *scapoidea* - Wagner07

[*Camissonia scapoidea* (Torr. & A. Gray) P. H. Raven] - Dorn01, SFW, W&W

[*Camissonia scapoidea* (Nutt. ex Torr. & A. Gray) P. H. Raven subsp. *scapoidea*] - KTZ

[*Camissonia scapoidea* (Torr. & A. Gray) P. H. Raven var. *scapoidea* - IMF, UTF, W

[*Oenothera scapoidea* Nutt. ex Torr. & A. Gray var. *scapoidea*] - HDH  
*Chylisimia walkeri* (A. Nelson) - Wagner07  
[*Camissonia walkeri* (A. Nelson) P. H. Raven subsp. *walkeri*] - KTZ, W  
[*Camissonia walkeri* (A. Nelson) P. H. Raven] - IMF, SFW, UTF, W&W

*Circaea alpina* L. var. *alpina* - Dorn01  
[*Circaea alpina* L.] - HDH  
[*Circaea alpina* L. subsp. *alpina*] - GPF, KTZ, W&W, W&W<sup>1</sup>, European  
*Circaea alpina* L. var. *pacifica* (Asch. & Magnus) M. E. Jones - Dorn01, IMF, UTF, E/W  
[*Circaea alpina* L. subsp. *pacifica* (Asch. & Magnus) P. H. Raven] - KTZ, SF!, W&W  
[*Circaea pacifica* Asch. & Magnus] - HDH

## Epilobium

(Identification sources: \_\_\_\_\_)

Epilobium (see also **Chamerion**)

*Epilobium anagallidifolium* Lam. - Dorn01, KTZ, SF!, W&W, E/W  
[*Epilobium alpinum* L.] - HDH  
[*Epilobium alpinum* L. var. *alpinum*] - IMF, UTF  
*Epilobium brachycarpum* C. Presl - Dorn01, IMF, KTZ, SF!, UTF, W&W, E/W  
[*Epilobium paniculatum* Nutt. ex Torr. & A. Gray] - GPF, HDH  
{*Epilobium canum* (Greene) P. H. Raven var. *garrettii* (A. Nelson) N. H. Holmgren & P. K. Holmgren} - IMF  
{*Epilobium canum* (Greene) P. H. Raven subsp. *garrettii* (A. Nelson) P. H. Raven} - KTZ  
{*Zauschneria garrettii* A. Nelson} - HDH, exp.  
{*Zauschneria latifolia* (Hook.) Greene var. *garrettii* (A. Nelson) Hilend} - UTF  
*Epilobium ciliatum* Raf. var. *ciliatum* - Dorn01, IMF, E/W  
[*Epilobium brevistylum* Barbey] - HDH, W&W  
[*Epilobium ciliatum* Raf.] - HDH, exp., SF!, UTF  
[*Epilobium ciliatum* Raf. subsp. *ciliatum*] - GPF, KTZ,  
*Epilobium ciliatum* Raf. var. *glandulosum* (Lehm.) Dorn - Dorn01, IMF, E/W  
[*Epilobium adenocaulon* Haussk. var. *adenocaulon*] - HDH  
[*Epilobium adenocaulon* Haussk. var. *occidentale* Trel.] - HDH  
[*Epilobium ciliatum* Raf.] - SF!  
[*Epilobium ciliatum* Raf. subsp. *glandulosum* (Lehm.) Hoch & P. H. Raven] - GPF, KTZ, W&W  
[*Epilobium glandulosum* Lehmann] - HDH, exp., UTF  
[*Epilobium occidentale* (Trel.) Rydb.]  
*Epilobium clavatum* Trel. - Dorn01, HDH, KTZ, SF!, W&W, E/W  
[*Epilobium alpinum* L. var. *clavatum* (Trel.) C. L. Hitchc.] - IMF, UTF  
*Epilobium halleanum* Haussk. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Epilobium hornemannii* Rchb. subsp. *hornemannii* - KTZ, E/W  
[*Epilobium hornemannii* Haussk.] - SFW  
[*Epilobium hornemannii* Rchb.] - Dorn01, GPF, HDH, SFE, W&W  
[*Epilobium hornemannii* Rchb. var. *hornemannii*] - IMF, UTF  
*Epilobium lactiflorum* Haussk. - Dorn01, HDH, KTZ, SF!, W&W, E/W  
[*Epilobium hornemannii* Rchb. var. *lactiflorum* (Haussk.) D. Löve] - IMF, UTF  
*Epilobium leptocarpum* Haussk. - KTZ, SF!, E/W  
[*Epilobium leptocarpum* Haussk. var. *macounii* Trel.] - W&W, HDH  
*Epilobium leptophyllum* Raf. - GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
[*Epilobium palustre* L. var. *gracile* (Farw.) Dorn] - RMC  
{*Epilobium minutum* Lindl. ex Lehm.} - KTZ

{*Epilobium minutum* Lindl. ex Hook.} - HDH, exp.  
 {*Epilobium minutum* Lindl.} - IMF  
*Epilobium oregonense* Haussk. - Dorn01, IMF, KTZ  
*Epilobium palustre* L. var. *gracile* (Farw.) Dorn - Dorn01  
*Epilobium palustre* L. var. *palustre* - Dorn01, E  
 [*Epilobium palustre* L.] - GPF, IMF, KTZ  
 [*Epilobium palustre* L. var. *grammadophyllum* Haussk.] - HDH, SFE, W&W  
*Epilobium pygmaeum* (Spreg.) Hoch & Raven - Dorn01  
 [*Boisduvalia glabella* (Nutt.) Walp.] - KTZ  
 [*Boisduvalia glabella* (Nutt.) var. *campestris* (Jepson) Jepson] -KTZ  
 [*Boisduvalia pygmaea* (Spreg.) Munz] - KTZ  
 [*Oenothera glabella* Nutt.] - KTZ  
*Epilobium saximontanum* Haussk. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Eremothera minor* (A. Nelson) W. L. Wagner & Hoch - Wagner07  
 [*Camissonia minor* (A. Nelson) P. H. Raven] - Dorn01, IMF, KTZ, SFW, UTF, W&W, W  
 [*Oenothera minor* (A. Nelson) Munz] - HDH, exp.

**Gaura (see *Oenothera*)**

*Gayophytum decipiens* F. H. Lewis & Szweyk. - Dorn01, IMF, KTZ, SF!, rep., UTF, W&W  
*Gayophytum diffusum* Torr. & A. Gray var. *strictipes* (Hook.) Dorn - Dorn01, IMF, E/W  
 [*Gayophytum diffusum* Torr. & A. Gray] - UTF  
 [*Gayophytum diffusum* Torr. & A. Gray subsp. *parviflorum* F. H. Lewis & Szweyk.] - GPF, KTZ, SF!, W&W  
 [*Gayophytum lasiospermum* Greene] - UTF  
 [*Gayophytum lasiospermum* Greene var. *lasiospermum*] - HDH, UTF  
 [*Gayophytum nuttallii* Torr. & A. Gray] - HDH  
*Gayophytum racemosum* Torr. & A. Gray - Dorn01, GPF, IMF, KTZ, SF!, UTF, W&W, E/W  
 [*Gayophytum helleri* Rydb. var. *glabrum* Munz] - HDH  
 [*Gayophytum racemosum* Torr. & A. Gray var. *racemosum*] - HDH  
*Gayophytum ramosissimum* Torr. & A. Gray - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W,  
 E/W

*Holmgrenia andina* (Nutt.) - Wagner07  
 [*Camissonia andina* (Nutt.) P. H. Raven] - Dorn01, IMF, KTZ, SFW, UTF, W&W, W  
 [*Oenothera andina* Nutt. ex Torr. & A. Gray] - HDH, exp.

***Oenothera* (see also *Calylophus*, *Camissonia*)**

(Identification sources: \_\_\_\_\_)

*Oenothera acutissima* W. L. Wagner - IMF, KTZ, SFW, W&W, W  
 [*Oenothera flava* (A. Nelson) Garrett var. *acutissima* (W. L. Wagner) S. L. Welsh] - UTF  
*Oenothera albicaulis* Pursh - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Oenothera canescens* Torr. & Frém. - GPF, HDH, KTZ, SFE, W&W, E  
 {*Oenothera cavernae* Munz} -IMF, KTZ <AZ, UT>, UTF; Wagner85, err. rep.  
*Oenothera caespitosa* Nutt. var. *caespitosa* - Dorn01, E/W  
 [*Oenothera caespitosa* Nutt. subsp. *caespitosa*] - GPF, SF!  
 [*Oenothera caespitosa* Nutt. ex Fraser subsp. *caespitosa*] - W&W  
 [*Oenothera caespitosa* Nutt. var. *caespitosa*] - IMF, UTF

- [*Oenothera caespitosa* Nutt. ex Fraser var. *caespitosa*] - HDH, exp.  
 [*Oenothera caespitosa* Nutt. ex Fraser var. *montana* (Nutt.) T. Durand] - HDH  
 [*Oenothera caespitosa* Nutt. subsp. *caespitosa*] - KTZ
- {*Oenothera caespitosa* Nutt. var. *crinita* (Rydb.) Munz}  
 {*Oenothera caespitosa* Nutt. var. *crinita* (Rydb.) Munz} - IMF, UTF  
 {*Oenothera caespitosa* Nutt. ex Fraser var. *jonesii* Munz} - HDH, exp.  
 {*Oenothera caespitosa* Nutt. subsp. *crinita* (Rydb.) Munz} - KTZ <AZ, UT>
- Oenothera caespitosa* Nutt. var. *macroglottis* (Rydb.) Cronquist - Dorn01, E/W  
 [*Oenothera caespitosa* Nutt. subsp. *macroglottis* (Rydb.) W. L. Wagner] - SFE  
 [*Oenothera caespitosa* Nutt. subsp. *macroglottis* (Rydb.) W. L. Wagner, Stockh., & W. M. Klein] - GPF, SFW  
 [*Oenothera caespitosa* Nutt. var. *macroglottis* (Rydb.) Cronquist] - IMF, UTF  
 [*Oenothera caespitosa* Nutt. ex Fraser subsp. *macroglottis* (Rydb.) W. L. Wagner, Stockh. & W. M. Klein] - W&W  
 [*Oenothera caespitosa* Nutt. subsp. *macroglottis* (Rydb.) W. L. Wagner] - KTZ
- Oenothera caespitosa* Nutt. var. *marginata* (Nutt. ex Hook. & Arn.) Munz - Dorn01, W  
 [*Oenothera caespitosa* Nutt. var. *marginata* (Nutt.) Munz] - UTF  
 [*Oenothera caespitosa* Nutt. var. *marginata* (Nutt. ex Hook & Arn.) Munz] - IMF  
 [*Oenothera caespitosa* Nutt. subsp. *marginata* (Nutt.) W. L. Wagner, Stockh., & W. M. Klein] - SFW  
 [*Oenothera caespitosa* Nutt. ex Fraser subsp. *marginata* (Nutt.) W. L. Wagner, Stockh., & W. M. Klein] - W&W  
 [*Oenothera caespitosa* Nutt. ex Fraser var. *eximia* (A. Gray) Munz] - HDH  
 [*Oenothera caespitosa* Nutt. ex Fraser var. *marginata* (Nutt.) Munz] - HDH  
 [*Oenothera caespitosa* Nutt. subsp. *marginata* (Nutt. ex Hook & Arn.) Munz] - KTZ
- Oenothera caespitosa* Nutt. var. *navajoensis* (W. L. Wagner, Stockh., & W. M. Klein) Cronquist - W  
 [*Oenothera caespitosa* Nutt. var. *navajoensis* (W. L. Wagner, Stockh., & W. M. Klein) Cronquist] - IMF, UTF  
 [*Oenothera caespitosa* Nutt. subsp. *navajoensis* W. L. Wagner, Stockh., & W. M. Klein] - SFW  
 [*Oenothera caespitosa* Nutt. ex Fraser subsp. *navajoensis* W. L. Wagner, Stockh., & W. M. Klein] - W&W  
 [*Oenothera caespitosa* Nutt. subsp. *navajoensis* W. L. Wagner, Stockh., & W. M. Klein] - KTZ
- Oenothera cinerea* (Woot. & Standley) W. L. Wagner & Hoch susp. *cinerea* - Wagner07  
 [*Gaura villosa* Torr.] - SFE, W&W  
 [*Gaura villosa* Torr. subsp. *villosa*] - GPF, KTZ  
 [*Gaura villosa* Torr. var. *villosa*] - HDH, E
- Oenothera cinerea* (Woot. & Standley) W. L. Wagner & Hoch susp. *parkii* - Wagner07  
 [*Gaura villosa* Torr. subsp. *parkii* (Munz) P. H. Raven & Gregory] - KTZ  
 [*Gaura villosa* Torr. var. *parkii* Munz] - KTZ
- Oenothera coloradoensis* Rydb. subsp. *colodoensis* - Wagner07  
 [*Gaura neomexicana* Wooton] - SFW  
 [*Gaura neomexicana* Wooton subsp. *neomexicana*] - KTZ, SFW, W&W  
 [*Gaura neomexicana* Wooton var. *neomexicana*] - HDH, W
- Oenothera coloradoensis* Rydb. subsp. *neomexicana* (Woot.) W. L. Wagner & Hoch - Wagner07  
 [*Gaura neomexicana* Wooton] - SFW  
 [*Gaura neomexicana* Wooton subsp. *coloradensis* (Rydb.) P. H. Raven & D. P. Greg.] - GPF, KTZ, SFE, W&W  
 [*Gaura neomexicana* Wooton var. *coloradensis* (Rydb.) Munz] - Dorn01, HDH, E
- Oenothera coronopifolia* Torr. & A. Gray - Dorn01, GPF, HDH, IMF, KTZ, SF!, W&W, E/W
- Oenothera curtiflora* W. L. Wagner & Hoch - Wagner07  
 [*Gaura mollis* E. James] - KTZ, SF!, W&W<sup>1</sup>  
 [*Gaura parviflora* Douglas] - GPF  
 [*Gaura parviflora* Douglas ex Lehm.] - Dorn01, IMF, UTF, W&W, E/W  
 [*Gaura parviflora* Douglas ex Hook. var. *lachnocarpa* Weatherby] - HDH  
 [*Gaura parviflora* Douglas ex Hook. var. *parviflora*] - HDH  
 [*Gaura parviflora* Douglas ex Hook. forma *glabra* Munz] - HDH
- Oenothera elata* Kunth var. *hirsutissima* (A. Gray ex S. Watson) Cronquist - IMF, E/W  
 [*Oenothera elata* Kunth] - UTF

- [*Oenothera elata* Kunth subsp. *hirsutissima* (A. Gray) W. Dietr. & W. L. Wagner] - SF!  
 [*Oenothera elata* Kunth subsp. *hirsutissima* (A. Gray ex S. Watson) W. Dietr.] - GPF, KTZ  
 [*Oenothera elata* Kunth subsp. *hirsutissima* (A. Gray ex S. Watson) W. Dietr. & W. L. Wagner] - W&W  
 [*Oenothera hookeri* Torr. & A. Gray subsp. *angustifolia* (Gates) Munz] - HDH  
 [*Oenothera hookeri* Torr. & A. Gray subsp. *hewettii* Cockerell] - HDH  
 [*Oenothera hookeri* Torr. & A. Gray subsp. *hirsutissima* (A. Gray) Munz] - HDH  
*Oenothera engelmannii* (Small) Munz - KWA, M&H, KTZ, GPF, HDH  
 [*Anogra engelmannii* (Small) Woot. & Standl.] - KWA, M&H, JM, not rep.  
*Oenothera filiformis* (Small) W. L. Wagner & Hoch - Wagner07  
 [*Gaura longiflora* Spach] - GPF, KTZ  
 [*Gaura filiformis* Small] - KTZ  
 [*Gaura pitcheri* (Torr. & A. Gray) Small] - KTZ  
*Oenothera flava* (A. Nelson) Garrett - Dorn01, GPF, HDH, IMF, SFE, W&W, E/W  
 [*Oenothera flava* (A. Nelson) Garrett subsp. *flava*] - KTZ  
 [*Oenothera flava* (A. Nelson) Garrett var. *flava*] - UTF  
 [*Oenothera flava* (A. Nelson) Munz] - SFW  
*Oenothera glaucifolia* W. L. Wagner & Hoch - Wagner07  
 [*Stenosiphon linifolius* (Nutt. ex E. James) Heynh.] - KTZ, SFE, W&W<sup>1</sup>, E  
 [*Stenosiphon linifolium* (Nutt.) Britton] - HDH, exp.  
 [*Stenosiphon linifolius* (Nutt.) Heynh.] - GPF, W&W  
*Oenothera glazoviana* Micheli - FCF  
 [*Oenothera erythrosepala* Borbás] - KTZ  
*Oenothera grandis* (Britton) Smyth - GPF, KTZ, SFE, W&W, E  
 ◆ *Oenothera harringtonii* W. L. Wagner - **ENDEMIC <CO>**, KTZ, E  
 [*Oenothera harringtonii* W. L. Wagner, Stockh., & W. M. Klein] - GPF, SFE, W&W  
*Oenothera hartwegii* (Benth.) P. H. Raven subsp. *fendleri* (A. Gray) Towner & P. H. Raven - Wagner07  
 [*Calylophus hartwegii* (Benth.) P. H. Raven subsp. *fendleri* (A. Gray) Towner & P. H. Raven] - GPF, KTZ  
*Oenothera hartwegii* (Benth.) P. H. Raven subsp. *pubescens* (A. Gray) Towner & P. H. Raven – Wagner07  
 [*Calylophus hartwegii* (Benth.) P. H. Raven subsp. *pubescens* (A. Gray) Towner & P. H. Raven] - GPF, KTZ, W&W, E, SFE  
 [*Oenothera greggii* A. Gray var. *lampasana* (Bockl.) Munz] - HDH  
*Oenothera howardii* (A. Nelson) W. L. Wagner - Dorn01, GPF, IMF, KTZ, SFE, UTF, W&W, E  
 [*Oenothera brachycarpa* A. Gray var. *wrightii* (A. Gray) Lèveillé] - HDH, W&W  
 {*Oenothera jamesii* Torr. & A. Gray} - GPF, HDH rep., KTZ <KS, OK>, W&W  
 Δ {*Oenothera kleinii* W. L. Wagner & S. W. Mill.} - SFW, W&W, W  
 [NS - To be reduced to synonymy of *Oenothera deltoides* Torr. & Frém. var. *deltoides* by W. L. Wagner (pers. comm., Nov. 2003)]  
*Oenothera laciniata* Hill - KWA, KTZ  
 [*Oenothera laciniata* Hill var. *mexicana* Small] - KWA, M&H  
 [*Oenothera mexicana* Spach] - KWA, M&H  
 [*Raimannia laciniata* (Hill) Rose] - KTZ  
 [*Raimannia mexicana* (Spach) Woot. & Standl.] - KWA, M&H  
*Oenothera latifolia* (Rydb.) Munz - Dorn01, GPF, HDH, KTZ, SFE, W&W, E  
 [*Oenothera pallida* Lindl. subsp. *pallida* var. *latifolia* Rydb.] - IMF  
*Oenothera lavandulifolia* (Torr. & A. Gray) P. H. Raven - Wagner07  
 [*Calylophus lavandulifolius* (Torr. & A. Gray) P. H. Raven] - Dorn01, KTZ, SF!, W&W, E/W  
 [*Oenothera lavandulifolia* Torr. & A. Gray var. *glandulosa* Munz] - HDH  
 [*Oenothera lavandulifolia* Torr. & A. Gray var. *lavandulifolia*] - HDH  
*Oenothera longissima* Rydb. - HDH, IMF, KTZ, SFW, UTF, W&W, W  
*Oenothera nuttallii* Sweet - Dorn01, GPF, HDH, KTZ, SFE, W&W, E

- Oenothera pallida* Lindl. var. *pallida* - Dorn01, HDH, UTF, W  
 [Oenothera pallida Lindl.] - SFW  
 [Oenothera pallida Lindl. subsp. *pallida*] - KTZ, W&W  
 [Oenothera pallida Lindl. subsp. *pallida* var. *pallida*] - IMF
- Oenothera pallida* Lindl. var. *runcinata* (Engelm.) Cronquist - E  
 [Oenothera pallida Lindl. subsp. *pallida* var. *runcinata* (Engelm.) Cronq.] - IMF  
 [Oenothera pallida Lindl. subsp. *runcinata* (Engelm.) Munz & W. Klein] - KTZ, SFE, W&W  
 [Oenothera pallida Lindl. var. *pallida*] - UTF
- Oenothera pallida* Lindl. var. *trichocalyx* (Nutt.) Dorn - Dorn01, UTF, W  
 [Oenothera pallida Lindl. subsp. *trichocalyx* (Nutt.) Munz & W. Klein] - IMF, KTZ, SFW  
 [Oenothera pallida Lindl. subsp. *trichocalyx* (Nutt. ex Torr. & A. Gray) Munz & W. Klein] - W&W  
 [Oenothera *trichocalyx* Nutt. ex Torr. & A. Gray] - HDH
- {*Oenothera primiveris* A. Gray} - HDH, exp.  
 {*Oenothera primiveris* A. Gray subsp. *bufonis* (M. E. Jones) Munz} - KTZ <AZ, UT>  
 {*Oenothera primiveris* A. Gray subsp. *primiveris*} - KTZ <AZ, NM>
- Oenothera pubescens* Willd. ex Sprengel - KWA, KTZ  
 [Angora amplexicaulis (Woot. & Standl.) Tidestr.] - KWA, M&H  
 [Oenothera amplexicaulis (Woot. & Standl.) Tidestr.] - M&H  
 [Oenothera laciniata subsp. *pubescens* (Willd. ex Sprengel) Munz] - KWA, M&H, KTZ  
 [Oenothera laciniata var. *pubescens* (Willd. ex Sprengel) Munz] - KWA, M&H, KTZ
- Oenothera rosea* L'Her. - KWA, M&H  
 [Hartmannia rosea (Aiton) G. Don] - KWA, JM, KTZ
- Oenothera serrulata* Nutt. var. *serrulata* - HDH, Wagner07  
 [Calylophus australis Towner & P. H. Raven] - KTZ  
 [Calylophus serrulatus (Nutt.) P. H. Raven] - Dorn01, GPF, KTZ, SFE, W&W, E  
 [Meriolix oblanceolata Rydb.] - KTZ  
 [Meriolix serrulata (Nutt.) Walp.] - KTZ
- Oenothera suffretescens* (Ser.) W. L. Wagner & Hoch - Wagner07  
 [Gaura coccinea (Nutt.) Pursh - Dorn01, E/W  
 [Gaura coccinea Pursh] - GPF, IMF, UTF  
 [Gaura coccinea Nutt.] - SF!  
 [Gaura coccinea Nutt. ex Pursh] - KTZ, W&W  
 [Gaura coccinea Nutt. ex Pursh var. *coccinea*] - HDH  
 [Gaura coccinea Nutt. ex Pursh var. *glabra* (Lehmann) Torr. & A. Gray] - HDH  
 [Gaura coccinea Nutt. ex Pursh var. *parvifolia* (Torr.) Torr. & A. Gray] - HDH
- Oenothera villosa* Thunb. var. *strigosa* (Rydb.) Dorn - Dorn01, IMF, KTZ, E/W  
 [Oenothera biennis L. var. *strigosa* Rydb.] - UTF  
 [Oenothera strigosa (Rydb.) Mack. & Bush] - HDH  
 [Oenothera villosa Thunb.] - SF!  
 [Oenothera villosa Thunb. subsp. *strigosa* (Rydb.) W. Dietr. & P. H. Raven] - GPF, KTZ, W&W  
 [Oenothera villosa Thunb. subsp. *villosa*] - KTZ
- Oenothera villosa* Thunb. var. *villosa* - Dorn01, KTZ

Stenosiphon (see **Oenothera**)

- Taraxia breviflora* (Torr. & A. Gray) Nutt. ex Small - Wagner07  
 [Camissonia breviflora (Torr. & A. Gray) P. H. Raven] - Dorn01, IMF, KTZ, SFE, UTF, W&W, E  
 [Oenothera contorta Douglas ex Hook.] - HDH
- Taraxia subacaulis* (Pursh) Rydb. - Wagner07  
 [Camissonia subacaulis (Pursh) P. H. Raven] - Dorn01, IMF, KTZ, SF!, UTF, W&W, E/W  
 [Jussiaea subacaulis Pursh] - KTZ  
 [Oenothera heterantha Nutt.] - HDH, KTZ  
 [Oenothera subacaulis (Pursh) Garrett] - KTZ



Zauschneria (see **Epilobium**)

**Orchidaceae - ORC (including Cyripediaceae)**

(Identification sources: \_\_\_\_\_)

Amesia (see **Epipactis**)

Bifolium (see **Listera**)

Calypso bulbosa (L.) Oakes var. americana (R. Br.) Luer - FNA, GPF, E/W

[Calypso americana R. Br.] - FNA

[Calypso bulbosa (L.) Oakes] - Dorn01, HDH, IMF, SF!, UTF, W&W

[Calypso bulbosa (L.) Oakes var. americana (R. Br. ex W. T. Aiton) Luer] - KTZ

Coeloglossum viride (L.) Hartm. - FNA

[Coeloglossum viride (L.) Hartm. var. virescens (Muhl. ex Willd.) Luer] - KTZ, E/W

[Coeloglossum viride (L.) Hartm. subsp. bracteatum (Muhl.) Hultén] - FNA, SF!

[Coeloglossum viride (L.) Hartm. subsp. bracteatum (Muhl. ex Willd.) Hultén] - W&W

[Coeloglossum viride (L.) Hartm. var. islandicum (Lindl.) M. Schulze] - FNA

[Coeloglossum viride (L.) Hartm. var. virescens (Muhl.) Luer] - Dorn01, FNA

[Dactylorhiza viridis (L.) R. M Bateman, Pridgeon & M. W. Chase] - FNA

[Habenaria bracteata (Willd.) R. Br.] - FNA, HDH

[Habenaria viridis (L.) R. Br.] - FNA

[Habenaria viridis (L.) R. Br. subsp. bracteata (Muhl.) Clausen] - FNA

[Habenaria viridis (L.) R. Br. var. bracteata (Muhl.) A. Gray] - FNA, GPF

[Habenaria viridis (L.) R. Br. var. bracteata (Muhl.) Rchb. ex A. Gray] - UTF

[Habenaria viridis (L.) R. Br. var. bracteata (Muhl. ex Willd.) Rchb. ex A. Gray] - IMF

[Habenaria viridis (L.) R. Br. var. interjecta Fernald] - FNA

[Satyrium viride L.] - FNA

Corallorhiza maculata (Raf.) Raf. - E/W

[Corallorhiza maculata Raf.] - HDH, IMF, SF!, UTF, W&W

[Corallorhiza maculata (Raf.) Raf.] - GPF

[Corallorhiza maculata (Raf.) Raf. var. maculata] - Dorn01, FNA, KTZ

[Corallorhiza maculata (Raf.) Raf. var. occidentalis (Lindl.) Ames] - Dorn01, FNA, KTZ

Corallorhiza striata Lindl. - FNA, E/W

[Corallorhiza striata Lindl.] - IMF, SF!, UTF, W&W

[Corallorhiza striata Lindl. var. ochroleuca (Rydb.) Magrath] - GPF

[Corallorhiza striata Lindl. var. striata] - Dorn01, KTZ

[Corallorhiza striata Lindl. var. vreelandii (Rydb.) L. O. Williams] - Dorn01, GPF, HDH

Corallorhiza trifida Châtel. - Dorn01, FNA, KTZ, E/W

[Corallorhiza corallorhiza (L.) MacMillan] - FNA

[Corallorhiza corallorhiza (L.) MacMillan var. coloradensis Cockerell] - FNA

[Corallorhiza innata R. Br.] - FNA

[Corallorhiza innata var. virescens Farr] - FNA

[Corallorhiza trifida (L.) Châtel.] - GPF, HDH, IMF, UTF, W&W

[Corallorhiza trifida Châtel.] - SF!

[Corallorhiza trifida Châtel. var. verna (Nutt.) Fernald] - FNA

[Corallorhiza verna Nutt.] - FNA

Corallorhiza wisteriana Conrad - Dorn01, FNA, KTZ, E/W

[*Corallorhiza hortensis* Sucksdorf] - FNA  
[*Corallorhiza wisteriana* Conrad] - GPF, HDH, IMF, SF!, UTF, W&W

*Cypripedium fasciculatum* Kellogg ex S. Watson - Dorn01, FNA, HDH, IMF, KTZ, W&W, E/W

[*Cypripedium fasciculatum* Kellogg] - SF!  
[*Cypripedium knightiae* A. Nels.] - FNA

*Cypripedium parviflorum* Salisb. var. *pubescens* O. W. Knight - Dorn01, FNA, E/W

[*Cypripedium calceolus* L.] - UTF  
[*Cypripedium calceolus* L. subsp. *parviflorum* (Salisb.) Hultén] - SF!, W&W  
[*Cypripedium calceolus* L. var. *planipetalum* (Fernald) Victorin & J. Rousseau] - FNA  
[*Cypripedium calceolus* L. var. *pubescens* (Willd.) Correll] - FNA, GPF, HDH, IMF  
[*Cypripedium flavescens* DC.] - FNA  
[*Cypripedium parviflorum* Salisb. var. *makasin* (Farw.) Sheviak] - FNA, KTZ  
[*Cypripedium parviflorum* Salisb. var. *planipetalum* Fernald] - FNA  
[*Cypripedium parviflorum* Salisb. var. *pubescens* (Willd.) O. W. Knight] - KTZ  
[*Cypripedium pubescens* Willd.] - FNA  
[*Cypripedium veganum* Cockerell, P. Barker & M. Barker] - FNA

*Dactylorhiza* (see **Coeloglossum**)

*Diphryllum* (see **Listera**)

*Distomaea* (see **Listera**)

*Epipactis* (see also **Listera**)

*Epipactis gigantea* Douglas ex Hook. - Dorn01, FNA, GPF, HDH, IMF, KTZ, UTF, W&W, E/W

[*Amesia gigantea* (Douglas ex Hook.) A. Nelson & J.F. MacBride] - FNA  
[*Epipactis gigantea* Douglas] - SF!  
[*Helliborine gigantea* (Douglas ex Hook.) Druce] - FNA

∴ *Epipactis helleborine* L. - W&W<sup>1</sup>, E

[WJ - appeared spontaneously in flower beds in front yard on Table Mesa. No evidence of spreading]  
[*Epipactis helleborine* (L.) Crantz] - KTZ, SFE  
[*Epipactis latifolia* (L.) Allioni] - FNA  
[*Serapias helleborine* L.] - FNA

*Goodyera oblongifolia* Raf. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

[*Goodyera decipiens* (Hook.) F. T. Hubbard] - FNA  
[*Goodyera oblongifolia* var. *reticulata* B. Boivin] - FNA  
[*Peramium decipiens* (Hook.) Piper] - FNA

*Goodyera repens* (L.) R. Br. ex W. T. Aiton - KTZ, E/W

[*Goodyera repens* (L.) R. Br. in W. Aiton and W. T. Aiton] - FNA  
[*Goodyera repens* (L.) R. Br.] - GPF, HDH, W&W  
[*Goodyera repens* (L.) R. Br. subsp. *fides* (Fernald) A Löve & Simon] - SF!  
[*Goodyera repens* (L.) R. Br. var. *ophioides* Fernald] - FNA  
[*Peramium ophioides* (Fernald) Rydb.] - FNA  
[*Satyrium repens* L.] - FNA

*Gyrostachys* (see **Spiranthes**)

*Habenaria* (see **Coeloglossum**, **Piperia**, **Platanthera**)

*Helleborine* (see **Epipactis**, **Listera**)

Ibidium (see **Spiranthes**)

Limnorchis (see **Platanthera**)

*Listera borealis* Morong - Dorn01, FNA, HDH rep., IMF, KTZ, SF!, UTF, W&W, E/W

[*Neottia borealis* (Morong) Szlachetko] - FNA

[*Ophrys borealis* (Morong) Rydb.] - FNA

*Listera convallarioides* (Sw.) Elliot - FNA

[*Bifolium convallarioides* (Sw.) Nieuwland] - FNA

[*Diphryllum convallarioides* (Sw.) Kuntze] - FNA

[*Distomeaea ovata* (L.) Spenner] - FNA

[*Epipactis convallarioides* Sw.] - FNA

[*Listera convallarioides* (Sw.) Nutt. ex Elliott] - Dorn01, KTZ, E/W

[*Listera convallarioides* Torr.] - SFW

[*Listera convallarioides* (Sw.) Nutt.] - GPF, HDH, SFE, W&W

[*Listera convallarioides* (Sw.) Torr.] - IMF, UTF

[*Listera eschscholziana* Chamisso] - FNA

[*Ophrys convallarioides* (Sw.) W. Wight ex House] - FNA

*Listera cordata* (L.) R. Br. ex W. T. Aiton var. *nephrophylla* (Rydb.) Hultén - FNA, KTZ

[*Listera cordata* (L.) R. Br.] - Dorn01, HDH, IMF, UTF, E/W

[*Listera cordata* (L.) R. Br. subsp. *nephrophylla* (Rydb.) A. Löve & D. Löve] - SF!, W&W

[*Listera nephrophylla* Rydb.] - FNA

[*Neottia nephrophylla* (Rydb.) Szlachetko] - FNA

[*Ophrys nephrophylla* (Rydb.) Rydb.] - FNA

Lysiella (see **Platanthera**)

*Malaxis brachypoda* (A. Gray) Fernald - KTZ, E

[*Malaxis monophyllos* (A. Gray) Sol. ex Sw. subsp. *brachypoda* (A. Gray) A. Löve & D. Löve] - W&W

[*Malaxis monophyllos* (L.) Sol. subsp. *brachypoda* (A. Gray) A. Löve & D. Löve] - SFE, W&W

[*Malaxis monophyllos* (L.) Sw. var. *brachypoda* (A. Gray) Morris & Eames] - HDH

*Malaxis porphyrea* (Ridley) Kuntze - Coleman02

[NS — Ben Legler {pers. comm. 2009} recently collected this in Colfax Co., NM]

[*Malaxis ehrenbergii* (Reichenbach f.) Kuntze] - WJ

*Malaxis soulei* L. O. Williams - WJ

[*Malaxis macrostachya* (Lexarza) Kuntze] - WJ; Coleman02

[WJ - occurs in Colfax, Los Alamos, and Sandoval cos., NM]

*Neottia* (see **Listera**)

*Ophrys* (see **Listera**)

*Orchis* (see **Platanthera**)

*Peramium* (see **Goodyera**)

*Piperia unalascensis* (Spreng.) Rydb. - Dorn01, GPF, KTZ, SF!, W&W, E/W

[*Habenaria unalascensis* (Spreng.) S. Watson] - HDH, IMF, UTF

*Platanthera aquilonis* Sheviak - FNA, Sheviak99, E/W

- [*Habenaria hyperborea* (L.) R. Br.] - GPF, HDH, IMF, UTF  
 [*Limnorchis hyperborea* (L.) Rydb.] - SF!, W&W  
 [*Platanthera gracilis* Lindl.] - KTZ  
 [*Platanthera huronensis* (Nutt.) Lindl.] - KTZ  
 [*Platanthera hyperborea* (L.) Lindl. var. *gracilis* (Lindl.) Luer] - RMC  
 [*Platanthera hyperborea* (L.) Lindl. var. *hyperborea*] - KTZ  
***Platanthera dilatata* (Pursh) Lindl. ex L. C. Beck var. *albiflora* (Cham.) Ledeb. - Dorn01, KTZ, E/W**  
 [*Habenaria dilatata* (Pursh) Hook.] - FNA, HDH  
 [*Habenaria dilatata* (Pursh) Hook. var. *albiflora* (Cham.) Correll] - GPF, IMF, UTF  
 [*Limnorchis dilatata* (Pursh) Rydb. subsp. *albiflora* (Cham.) A. Löve & Simon] - SF!, W&W  
 [*Orchis dilatata* Pursh] - FNA  
***Platanthera dilatata* (Pursh) Lindl. ex L. C. Beck var. *dilatata* - Dorn01, FNA, KTZ**  
 [*Habenaria dilatata* (Pursh) Hook. var. *dilatata*] - GPF, IMF, UTF <CO>  
***Platanthera X estesii* Schrenk - KTZ**  
 [*Platanthera dilatata* X *P. stricta*] - KTZ  
***Platanthera huronensis* (Nutt.) Lindley - Dorn01, FNA**  
 [*Orchis huronensis* Nutt.] - FNA  
 [*Habenaria hyperborea* (L.) R. Br. var. *huronensis*] - FNA  
 [*Habenaria X media* (Rydb.) Niles] - FNA  
 [*Limnorchis media* Rydb.] - FNA  
 [*Platanthera hyperborea* (L.) Lindley var. *huronensis* (Nutt.) Luer] - FNA  
 [*Platanthera X media* (Rydb.) Luer] - FNA  
***Platanthera obtusata* (Banks ex Pursh) Lindl. - Dorn01, FNA, KTZ, E/W**  
 [*Habenaria obtusata* (Banks) Richards] - UTF  
 [*Habenaria obtusata* (Banks ex Pursh) Richards] - FNA, HDH, IMF  
 [*Habenaria obtusata* var. *collectanea* Fernald] - FNA  
 [*Lysiella obtusata* (Banks ex Pursh) Britton & Rydb.] - W&W  
 [*Lysiella obtusata* (Banks) Britton & Rydb.] - SF!  
 [*Orchis obtusata* Banks ex Pursh] - FNA  
***Platanthera purpurascens* (Rydb.) Sheviak & W. F. Jenn. - Dorn01, FNA, KTZ, Sheviak97, E/W**  
 [*Habenaria saccata* Greene] - GPF, HDH, IMF, UTF  
 [*Limnorchis stricta* (Lindl.) Rydb.] - SF!, W&W  
 [*Limnorchis purpurascens* Rydb.] - FNA  
 [*Platanthera hyperborea* (L.) Lindley var. *purpurascens* (Rydb.) Luer] - FNA  
 [*Platanthera stricta* Lindl.] - KTZ  
 [*Platanthera saccata* (Greene) Hulten] - FCF  
***Platanthera sparsiflora* (S. Watson) Schltr. var. *ensifolia* (Rydb.) Luer - KTZ, E/W**  
 [*Limnorchis ensifolia* Rydb.] - SF!, W&W  
***Platanthera sparsiflora* (S. Watson) Schltr. - FNA**  
 [*Habenaria sparsiflora* S. Watson var. *laxiflora* (Rydb.) Correll] - FNA, IMF, UTF  
 [*Habenaria sparsiflora* S. Watson] - FNA< HDH, rep.  
 [*Habenaria sparsiflora* S. Watson var. *sparsiflora*] - IMF, UTF  
 [*Limnorchis laxiflora* Rydb.] - FNA  
 [*Limnorchis sparsiflora* (S. Watson) Rydb.] - W&W, misapp.  
 [*Platanthera sparsiflora* (S. Watson) var. *ensifolia* (Rydb.) Luer - FNA  
 [*Platanthera sparsiflora* (S. Watson) Schltr. var. *sparsiflora*] - KTZ <AZ, NM, UT>  
***Platanthera zothecina* (L. C. Higgins & S. L. Welsh) Kartesz & Gandhi - FNA, KTZ, W**  
 [*Habenaria zothecina* L. C. Higgins & S. L. Welsh] - FNA, UTF  
 [*Limnorchis zothecina* (L. C. Higgins & S. L. Welsh) W. A. Weber] - SFW, W&W

Satyrrium (see **Coeloglossum**, **Goodyera**)

{*Spiranthes cernua* (L.) Rich.} - GPF, HDH, exp., IMF, KTZ <KS, NE, OK>  
*Spiranthes diluvialis* Sheviak - Dorn01, FNA, KTZ, SF!, W&W, E/W  
 [Spiranthes romanzoffiana Cham. var. diluvialis (Sheviak) S. L. Welsh] - FNA, UTF  
*Spiranthes magnicamporum* Sheviak - FNA, GPF, KTZ <KS, NE, NM, OK>  
 {*Spiranthes porrifolia* Lindl.} - HDH rep., KTZ, W&W, misapp.  
 {Spiranthes romanzoffiana Cham. var. porrifolia (Lindl.) Ames & Correll} -IMF (UT and w.)  
*Spiranthes romanzoffiana* Cham. - Dorn01, FNA, GPF, KTZ, SFE, W&W, E/W  
 [Gyrostachys stricta Rydb.] - FNA  
 [Ibidium strictum (Rydb.) House] - FNA  
 [Spiranthes stricta (Rydb.) A. Nels.] - FNA  
 [Spiranthes romanzoffiana Cham. & Schl. - HDH, SFW  
 [Spiranthes romanzoffiana Cham. var. romanzoffiana] - IMF, UTF  
 {*Spiranthes vernalis* Engelm. & A. Gray} - GPF, KTZ <KS, NE, OK>  
 {WJ - based on a Fendler specimen from e. Kansas}  
 {*Spiranthes vernalis* Engelm.} - HDH, exp.

## Orobanchaceae - ORO

(Identification sources: \_\_\_\_\_)

{*Agalinis aspera* (Douglas ex Benth.) Britton} -WJ, GPF, exp., KTZ <KS, NE, OK>, W&W  
 {*Gerardia aspera* Douglas ex Benth.} - HDH, exp.  
*Agalinis tenuifolia* (Vahl) Raf. var. *parviflora* (Nutt.) Pennell - Dorn01, GPF, KTZ, E  
 [Agalinis tenuifolia (Vahl) Raf.] - SFE, W&W  
 [Gerardia tenuifolia Vahl] - HDH

## Aphyllon (see **Orobanche**)

### Castilleja

[NS - comments incorporated from Mark Egger [WTU], pers. comm. 2007]

(Identification sources: \_\_\_\_\_)

*Castilleja angustifolia* (Nutt.) G. Don var. *angustifolia* - Dorn01, KTZ  
 [Castilleja angustifolia (Nutt.) G. Don var. *bradburii* (Nutt.) Fern.] - KTZ  
*Castilleja angustifolia* (Nutt.) G. Don var. *dubia* A. Nelson - Dorn01, E/W  
 [Castilleja angustifolia (Nutt.) G. Don var. *flavescens* (Pennell ex Edwin). N. Holmgren] - Egger, pers. comm..  
 [Castilleja flavescens Pennell] - Egger, pes. comm.  
*Castilleja chromosa* A. Nelson - GPF, HDH, IMF, SF!, W&W, Egger pers. comm.  
*Castilleja flava* S. Watson var. *flava* - IMF, KTZ, UTF, E/W  
 [Castilleja flava S. Watson] - Dorn01, GPF, HDH, SF!, W&W  
*Castilleja haydenii* (A. Gray) Cockerell - HDH, KTZ, SF!, W&W, E/W  
*Castilleja integra* A. Gray - GPF, HDH, KTZ, E/W, SF!, IMF, W&W  
*Castilleja liniifolia* Benth. - Dorn01, GPF, IMF, KTZ, SF!, UTF, W&W, E/W  
 [Castilleja liniariaefolia Benth.] - HDH  
*Castilleja lineata* Greene - HDH, KTZ, SF!, W&W, E/W  
*Castilleja miniata* Douglas ex Hook. var. *miniata* - E/W  
 [Castilleja miniata Douglas] - HDH, SF!  
 [Castilleja miniata Douglas ex Hook.] - Dorn01, GPF, IMF, UTF, W&W  
 [Castilleja miniata Douglas ex Hook. subsp. *miniata*] - KTZ  
*Castilleja minor* (A. Gray) A. Gray var. *minor*

[*Castilleja minor* (A. Gray) A. Gray] -W  
*Castilleja minor* (A. Gray) A. Gray var. "ined.", M. Egger, comb. nov. - Egger, pers. comm.  
 [Castilleja exilis A. Nels.] - Dorn01, GPF, IMF, UTF  
 [Castilleja minor A. Gray] - HDH, SFW, W&W  
 [Castilleja minor A. Gray subsp. minor] - KTZ  
*Castilleja occidentalis* Torr. - HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Castilleja pallescens* (Gray) Greenm. var. *pallescens* - KTZ  
 [Castilleja pallescens (Gray) Greenm.] - Dorn01  
*Castilleja puberula* Rydb. - HDH, KTZ, SF!, W&W, E/W  
*Castilleja rhexifolia* Rydb. - Dorn01, HDH, IMF, KTZ, SF!, W&W, E/W  
 [Castilleja rhexifolia Rydb. var. *rhexifolia*] - UTF  
*Castilleja scabrida* Eastw. var. *scabrida* - IMF, KTZ, UTF, W  
 [Castilleja lineata Greene] - HDH  
 [Castilleja scabrida Eastw.] - SFW, W&W  
*Castilleja sessiliflora* Pursh - Dorn01, GPF, HDH, KTZ, SFE, W&W, E  
*Castilleja septentrionalis* Lindl.] - HDH, W&W, Egger, pers. comm.  
 [Castilleja rhexifolia Rydb. var. *sulphurea* (Rydb.) Atwood] - UTF  
 [Castilleja sulphurea Rydb.] - Dorn01, GPF, IMF, KTZ, SF!, W&W, E/W, Egger, pers. comm.

*Conopholis alpina* Liebm. var. *mexicana* (A. Gray ex S. Watson) Haynes - KTZ, W&W, E  
 [Conopholis alpina Liebm. var. *mexicana* (A. Gray) Haynes] - SFE

{*Cordylanthus kingii* S. Watson subsp. *densiflorus* Chuang & Heckard}  
 {WJ - Specimens known from UT within 18 mi of CO (Rio Blanco Co.) and to be expected in CO}  
 {*Cordylanthus kingii* S. Watson} - HDH, W&W, misid.  
 {*Cordylanthus kingii* S. Watson subsp. *kingii*} - KTZ <UT>, UTF  
 {*Cordylanthus kingii* S. Watson var. *kingii*} - IMF

*Cordylanthus ramosus* Nutt. ex Benth. - Dorn01, HDH, IMF, KTZ, UTF, E/W  
 [Cordylanthus ramosus Nutt.] - SF!, W&W

*Cordylanthus wrightii* A. Gray subsp. *wrightii* - KTZ, W  
 [Cordylanthus wrightii A. Gray] - HDH, IMF, SFW, UTF, W&W

*Orobanche cooperi* (A. Gray) A. Heller subsp. *cooperi* - KWA, KTZ  
 [Orobanche ludoviciana Nutt. var. *cooperi* (A. Gray) G. Beck] - KWA, M&H, HDH, IMF  
 [Orobanche ludoviciana Nutt. var. *latiloba* Munz] - KWA  
 [Aphyllon cooperi Gray] - KTZ  
 [Myzorrhiza cooperi (Gray) Rydb.] - KTZ

*Orobanche fasciculata* Nutt. - Dorn01, GPF, IMF, KTZ, UTF, E/W  
 [Aphyllon fasciculatum (Nutt.) Torr. & A. Gray] - SF!, W&W  
 [Orobanche fasciculata Nutt. var. *fasciculata*] - HDH  
 [Orobanche fasciculata Nutt. var. *lutea* (Parry) Achey] - HDH, rep.

*Orobanche ludoviciana* Nutt. var. *ludoviciana* - Dorn01, HDH, IMF, E  
 [WJ - I fail to see the difference between the typical variety and var. *arenosa*]  
 [Orobanche ludoviciana Nutt.] - GPF, SFE, W&W  
 [Orobanche ludoviciana Nutt. var. *arenosa* (Suksd.) Cronquist] - UTF  
 [Orobanche ludoviciana Nutt. subsp. *ludoviciana*] - KTZ  
 [Orobanche multiflora Nutt. var. *arenosa* (Suksd.) Munz] - HDH, W&W

*Orobanche ludoviciana* Nutt. var. *multiflora* (Nutt.) Beck - E/W  
 [WJ - if present in Colorado, then along New Mexico line, both slopes]  
 [Orobanche ludoviciana Nutt. subsp. *multiflora* (Nutt.) Collins] - KTZ  
 [Orobanche multiflora Nutt.] - GPF, SF!, UTF  
 [Orobanche multiflora Nutt. var. *multiflora*] - HDH, W&W

*Orobanche uniflora* L. var. *occidentalis* (Greene) Roy L. Taylor & MacBryde - Dorn01, IMF, E/W

[*Aphyllon uniflorum* (L.) Torr. & A. Gray] - SF!, W&W

[*Orobanche uniflora* L.] - GPF, KTZ, UTF

[*Orobanche uniflora* L. var. *sedi* (Suksd.) Achey] - HDH

*Orthocarpus luteus* Nutt. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Orthocarpus purpureoalbus* A. Gray ex S. Watson - KTZ, E/W

[*Orthocarpus purpureoalbus* A. Gray] - SF!, W&W<sup>1</sup>

[*Orthocarpus purpureo-albus* A. Gray] - HDH, UTF

[*Orthocarpus purpureo-albus* A. Gray ex S. Watson] - IMF, W&W

## Pedicularis

(Identification sources: \_\_\_\_\_)

*Pedicularis bracteosa* Benth. var. *paysoniana* (Pennell) Cronquist - Dorn01, IMF, KTZ, E/W

[*Pedicularis bracteosa* Benth. subsp. *paysoniana* (Pennell) W. A. Weber] - SF!, W&W

[*Pedicularis paysoniana* Pennell] - HDH

{*Pedicularis canadensis* L. var. *canadensis*} - GPF

{*Pedicularis canadensis* L.} - HDH

{*Pedicularis canadensis* L. subsp. *canadensis*} - KTZ<KS, NE, NM, OK>, W&W<sup>1</sup>

◆ *Pedicularis canadensis* L. var. *fluviatilis* (A. Heller) Macbr. - **ENDEMIC** <CO>, GPF, E

[*Pedicularis canadensis* L. subsp. *fluviatilis* (A. Heller) W. A. Weber] - KTZ, SFE, W&W

*Pedicularis centranthera* A. Gray - HDH, IMF, KTZ, SFW, UTF, W&W, W

*Pedicularis crenulata* Benth. - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Pedicularis groenlandica* Retz. - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

[*Pedicularis groenlandica* Retz. subsp. *surrecta* (Benth.) Piper] - KTZ

*Pedicularis parryi* A. Gray var. *mogollonica* (Greene) Dorn - E/W

[*Pedicularis parryi* A. Gray] - SF!

[*Pedicularis parryi* A. Gray subsp. *mogollonica* (Greene) G. D. Carr] - KTZ, W&W

[*Pedicularis parryi* A. Gray var. *parryi*] - IMF

*Pedicularis parryi* A. Gray var. *parryi* - Dorn01, IMF, UTF, E/W

[*Pedicularis parryi* A. Gray] - HDH, SF!

[*Pedicularis parryi* A. Gray subsp. *parryi*] - KTZ, W&W

*Pedicularis procera* A. Gray - Dorn01, GPF, IMF, KTZ, SF!, UTF, W&W, E/W

[*Pedicularis grayi* A. Nelson] - HDH

*Pedicularis racemosa* Douglas ex Benth. var. *alba* (Pennell) Cronquist - Dorn01, IMF, UTF, E/W

[*Pedicularis racemosa* Douglas ex Hook.] - HDH

[*Pedicularis racemosa* Douglas subsp. *alba* Pennell] - SF!

[*Pedicularis racemosa* Douglas ex Benth. subsp. *alba* Pennell] - HDH, KTZ

[*Pedicularis racemosa* Douglas ex Hook. subsp. *alba* Pennell] - W&W

*Pedicularis sudetica* Willd. subsp. *scopulorum* (A. Gray) Hultén - KTZ, E/W

[*Pedicularis scopulorum* A. Gray] - HDH, SF!, W&W

## Oxalidaceae - OXL

*Oxalis albicans* Kunth subsp. *albicans* - KTZ

*Oxalis corniculata* L. - WY checklist, M&H, KTZ

[*Acetosella corniculata* (L.) Kuntze] - KTZ

[*Oxalis albicans* HBK] - KWA

[Oxalis corniculata L. var. atropurpurea Planch. ] - KTZ  
 [Oxalis corniculata L. var. langloisii (Small) Wieg.] - KTZ  
 [Oxalis corniculata L. var. lupulina (R. Knuth) Zugg.] - KTZ  
 [Oxalis corniculata L. var. macrophylla Arsene ex R. Knuth] - KTZ  
 [Oxalis corniculata L. var. minor Laing] - KTZ  
 [Oxalis corniculata L. var. leptans Laing] - KTZ  
 [Oxalis corniculata L. var. villosa (Bieb.) Hohen.] - KTZ  
 [Oxalis corniculata L. var. viscidula Wieg.] - KTZ  
 [Oxalis langloisii (Small) Fedde] - KTZ  
 [Oxalis pusilla Salisb.] - KTZ  
 [Oxalis repens Thunb.] - KTZ  
 [Oxalis villosa Bieb.] - KTZ  
 [Oxalis wrightii Gray] - KWA  
 [Xanthoxalis albicans (HBK) Small] - KWA  
 [Xanthoxalis corniculata (L.) Small] - KTZ  
 [Xanthoxalis corniculata var. atropurpurea (Planch.) Moldenke] - KTZ  
 [Xanthoxalis langloisii Small] - KTZ  
 [Xanthoxalis repens (Thunb.) Moldenke] - KTZ  
 [Xanthoxalis wrightii (Gray) Abrahams] - KWA  
 Oxalis dillenii Jacq.- Dorn01, GPF, IMF, KTZ, SF!, UTF, W&W  
 [Oxalis dillenii Jacq. subsp. dillenii] - E/W  
 ΔOxalis stricta L. - Dorn01, GPF, HDH, KTZ, SF!, W&W, E/W  
 [Oxalis europaea Jordan var. bushii (Small) Wiegand] - HDH  
 [Oxalis europaea Jordan var. europaea] - HDH  
 Oxalis violacea L. - Dorn01, GPF, HDH, KTZ, SF!, W&W, E/W

## **Paeoniaceae - PAE**

{Paeonia brownii Douglas ex Hook.}- HDH, exp., KTZ <UT, WY>, UTF

## **Papaveraceae - PAP (including Fumariaceae)**

(Identification sources: \_\_\_\_\_)

Argemone corymbosa Greene - RM (*Lyon 5048*; Mesa County, CO)  
 Argemone hispida A. Gray - Dorn01, FNA, GPF, KTZ, SF!, W&W, E/W  
 [Argemone platyceras Link & Otto var. hispida (A. Gray) Prain] - HDH  
 [Argemone platyceras Link & Otto var. platyceras] - HDH  
 {Argemone mexicana L.} - HDH rep., FNA, GPF, W&W<sup>1</sup>, misapp.  
 Argemone polyanthemos (Fedde) G. B. Ownbey - Dorn01, FNA, GPF, KTZ, SF!, W&W, E/W  
 [Argemone intermedia Sweet] - HDH  
 Argemone squarrosa Greene var. squarrosa - E  
 [Argemone squarrosa Greene] - GPF, SFE, W&W  
 [Argemone squarrosa Greene subsp. squarrosa] - FNA, KTZ  
  
 Corydalis aurea Willd. var. aurea - Dorn01, HDH, E/W  
 [Corydalis aurea Willd.] - KTZ, SF!, UTF, W&W<sup>1</sup>  
 [Corydalis aurea Willd. subsp. aurea] - FNA, GPF, W&W  
 Corydalis aurea Willd. var. occidentalis Engelm. ex A. Gray - Dorn01, E/W  
 [Corydalis aurea Willd. subsp. occidentalis (Engelm.) G. B. Ownbey] - GPF  
 [Corydalis aurea Willd. subsp. occidentalis (Engelm. ex A. Gray) G. B. Ownbey] - FNA  
 [Corydalis aurea Willd. var. occidentalis Engelm.] - HDH



- [*Corydalis curvisiliqua* Engelm. subsp. *occidentalis* (Engelm.) W. A. Weber] - SF!  
 [*Corydalis curvisiliqua* Engelm. subsp. *occidentalis* (Engelm. ex A. Gray) W. A. Weber] - KTZ, W&W  
*Corydalis caseana* A. Gray subsp. *brandegeei* (S. Watson) G. B. Ownbey - FNA, HDH, KTZ, SF!, W&W, E/W  
 {*Corydalis curvisiliqua* Engelm. var. *grandibracteata* Fedde}  
 {*Corydalis curvisiliqua* Engelm. subsp. *grandibracteata* (Fedde) G. B. Ownbey} - GPF, KTZ err. attribution to W&W  
 {*Corydalis curvisiliqua* (A. Gray) A. Gray subsp. *grandibracteata* (Fedde) G. B. Ownbey} - FNA
- {*Dicentra uniflora* Kellogg} - FNA, KTZ, SFW, UTF, W&W, W  
 {WJ - no vouchers from Colorado; reported from three sites by M. L. Peterson in Garfield and Mesa cos. All searches of these sites have been fruitless}
- Δ*Eschscholzia californica* Cham. subsp. *californica* - FNA, KTZ, E/W  
 [*Eschscholzia californica* Cham.] - Dorn01, HDH, SF!, UTF, W&W
- ∴ *Fumaria officinalis* L. - Dorn01, FNA, HDH, exp., UTF, W&W, misapp.  
 [*Fumaria officinalis* L. subsp. *officinalis*] - KTZ <UT, WY>  
 [*Fumaria officinalis* L. subsp. *wirtgenii* (W. D. J. Koch) Arcang.] - KTZ <NE, WY>  
 ∴ {*Fumaria vaillantii* Loisel. - FNA, KTZ, SFE, W&W, E}  
 {*Fumaria vaillentii* Loisel.] - GPF [misspelled]}
- ∴ *Glaucium corniculatum* (L.) Rudolph - FNA, GPF, KTZ, SFE, W&W<sup>1</sup>, E  
 [WJ - one specimen from near Boulder, not persisting]  
 ∴ {*Glaucium flavum* Crantz} - FNA, KTZ, SFE, W&W, E  
 [WJ - from yard in Boulder, not known outside cultivation]
- ∴ *Papaver orientale* L. - FNA, KTZ, SFE, UTF, W&W, E  
 ∴ *Papaver nudicaule* L. - FNA, E/W  
 [*Papaver croceum* Ledeb., cultivar of above] - FNA, KTZ, SF!, W&W  
 {*Papaver pygmaeum* Rydb.}  
 {WJ - endemic to Montana, British Columbia, and Alberta [fide FNA] so the name is misapplied to our material}
- Papaver radicum* Rottb. subsp. *kluanensis* (D. Löve) D. F. Murray - FNA, KTZ, E/W  
 [*Papaver kluanense* D. Löve] - SF!, W&W  
 [*Papaver lapponicum* (Tolm.) Nordh. subsp. *occidentale* (Lundstr.) Knaben] - RMC  
 [*Papaver nudicaule* L. var. *radicum* (Rottb.) DC.] - HDH, W&W<sup>1</sup>, misid.  
 [*Papaver pygmaeum* Rydb.] - W&W<sup>1</sup>  
 [*Papaver radicum* Rottb. var. *pygmaeum* (Rydb.) S. L. Welsh] - UTF
- ∴ *Papaver somniferum* L. - Dorn01  
 [*Papaver somniferum* var. *setigerum* auct. non (DC.) Corb.] - KTZ

## **Parnassiaceae - PAR**

- Parnassia fimbriata* König var. *fimbriata* - KTZ, UTF, E/W  
 [*Parnassia fimbriata* König] - Dorn01, HDH, IMF, W&W  
 [*Parnassia fimbriata* Banks] - SF!  
*Parnassia kotzebuei* Cham. ex Spreng. - Dorn01, IMF, KTZ  
 [*Parnassia kotzebuei* Cham.] - SF!  
 [*Parnassia kotzebuei* Cham. & Schlecht.] - W&W<sup>1</sup>  
 [*Parnassia kotzebuei* Cham. & Spreng.] - W&W

[*Parnassia kotzebuei* Cham. ex Spreng. var. *kotzebuei*] - E/W  
*Parnassia palustris* L. var. *montanensis* (Fernald & Rydb. ex Rydb.) C. L. Hitchc. - Dorn01, KTZ, E/W  
[*Parnassia palustris* L. var. *montanensis* (Fernald & Rydb.) C. L. Hitchc.] - UTF  
[*Parnassia palustris* L. var. *palustris*] - IMF  
[*Parnassia palustris* L. var. *parviflora* (DC.) B. Boivin] - IMF, KTZ <WY>  
[*Parnassia parviflora* DC.] - GPF, HDH, KTZ <WY>, SF!, W&W

## **Pedaliaceae (see MAR)**

## **Peganaceae - PEG**

∴ *Peganum harmala* L.  
[NS - reportedly weedy now in Colorado by KHD]

## **Phrymaceae - PHR (formerly in SCR)**

### Mimulus

(Identification sources: \_\_\_\_\_)

*Mimulus breweri* (Greene) Coville - Dorn01, IMF, KTZ, SF!, UTF, W&W, E/W  
*Mimulus eastwoodiae* Rydb. - HDH, exp., IMF, KTZ, SFW, UTF, W&W, W  
*Mimulus floribundus* Lindl. - Dorn01, KTZ, E/W  
[*Mimulus floribundus* Douglas] - HDH, SF!, W&W  
[*Mimulus floribundus* Douglas ex Lindl.] - GPF, IMF, UTF  
[*Mimulus floribundus* Lindl. var. *floribundus*] - RMC  
◆ *Mimulus gemmiparus* W. A. Weber - **ENDEMIC** <CO>, KTZ, SF!, W&W, E/W  
*Mimulus glabratus* Kunth var. *glabratus* - KTZ, E/W  
[*Mimulus glabratus* Kunth] - SF!  
[*Mimulus glabratus* Kunth subsp. *utahensis* Pennell] - IMF, UTF  
[*Mimulus glabratus* Kunth var. *utahensis* Pennell] - HDH, W&W  
*Mimulus glabratus* Kunth var. *jamesii* (Torr. & A. Gray ex Benth.) A. Gray - Dorn01, KTZ, E/W  
[*Mimulus fremontii* (Benth.) A. Gray] - KTZ  
[*Mimulus glabratus* Kunth] - SF!  
[*Mimulus glabratus* Kunth subsp. *fremontii* (Benth.) A. L. Grant] - IMF  
[*Mimulus glabratus* Kunth subsp. *fremontii* (Benth.) Pennell] - UTF  
[*Mimulus glabratus* Kunth var. *fremontii* (Benth.) A. L. Grant] - HDH, W&W, GPF  
*Mimulus guttatus* DC. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W  
[NS - nearly 70 synonyms recognized in KTZ]  
[*Mimulus guttatus* DC. var. *guttatus*] - E/W  
*Mimulus lewisii* Pursh - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Mimulus moschatus* Douglas ex Lindl. var. *moschatus* - Dorn01, KTZ, E/W  
[*Mimulus moschatus* Douglas] - HDH, SF!, W&W  
[*Mimulus moschatus* Douglas ex Lindl.] - IMF, UTF  
*Mimulus nanus* Hook. & Arn. subsp. *nanus* - KTZ  
[*Mimulus nanus* Hook. & Arn.] - HDH, exp., IMF  
*Mimulus ringens* L. var. *ringens* - KTZ  
[*Mimulus ringens* L.] - GPF, HDH, IMF, W&W

*Mimulus rubellus* A. Gray - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Mimulus suksdorfii* A. Gray - Dorn01

[NS - cited but not recognized or incorrectly recognized previously in HDH, IMF, KTZ <AZ, NM, UT, WY>, UTF, W&W, misapp.]

*Mimulus tilingii* Regel var. *tilingii* - KTZ, E/W

[*Mimulus tilingii* Regel] - IMF, SF!, UTF, W&W

[*Mimulus guttatus* DC.] - HDH

### **Phyllanthaceae - PLL (formerly in EUP)**

*Reverchonia arenaria* A. Gray - GPF, IMF, KTZ, UTF, W&W<sup>1</sup>

### **Plantaginaceae - PTG (including much of former Scrophulariaceae)**

(Identification sources: \_\_\_\_\_)

*Bacopa rotundifolia* (Michx.) Wettst. - Dorn01, GPF, HDH, IMF, KTZ, SF!, W&W, E/W

*Besseyia alpina* (A. Gray) Rydb. - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Besseyia arizonica* Pennell - KTZ, KWA, M&H

[*Synthyris aplina* Gray] - M&H

*Besseyia plantaginea* (E. James) Rydb. - Dorn01, HDH, KTZ, E/W

[*Besseyia plantaginea* (Benth.) Rydb.] - SF!, W&W

◆ *Besseyia ritteriana* (Eastw.) Rydb. - **ENDEMIC** <CO>, HDH, KTZ, SFW, W&W, W, Hufford04

[*Synthyris ritteriana* Eastw.] - KTZ

*Besseyia wyomingensis* (A. Nelson) Rydb. - Dorn01, GPF, IMF, KTZ, SFE, UTF, W&W, E

[*Besseyia cinerea* (Raf.) Pennell] - HDH

∴ *Chaenorrhinum minus* (L.) Lange - GPF, KTZ, SFE, W&W, E

*Chionophila jamesii* Benth. - Dorn01, HDH, KTZ, SF!, W&W, E/W

*Collinsia parviflora* Lindl. - Dorn01, KTZ, SF!, E/W

[*Collinsia parviflora* Douglas] - HDH, UTF, W&W

[*Collinsia parviflora* Douglas ex Lindl.] - GPF, IMF

∴ *Cymbalaria muralis* P. Gaertn., B. Mey. & Scherb. - GPF, KTZ <UT>, W&W<sup>1</sup>

∴ *Digitalis purpurea* L. var. *purpurea* - KTZ, E

[*Digitalis purpurea* L.] - Dorn01, SFE, UTF, W&W

*Gerardia* (see **Agalinis**)

*Gratiola neglecta* Torr. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W

[*Gratiola neglecta* Torr. var. *neglecta*] - E/W

*Leiostemon* (see **Penstemon**)

*Limosella aquatica* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Linaria canadensis* (L.) Dum. Cours. var. *canadensis* - Dorn01, GPF, IMF

{*Linaria canadensis* (L.) Dum. Cours.} - HDH, exp., UTF

{*Nuttallanthus canadensis* (L.) D. A. Sutton} - KTZ <KS, OK>

*Linaria canadensis* (L.) Dum. Cours. var. *texana* (Scheele) Pennell - GPF, IMF, W&W, E

[*Linaria canadensis* (L.) Dum. Cours.] - UTF

[*Linaria canadensis* Dum. Cours. var. *texana* (Scheele) Pennell] - SFE, W&W<sup>1</sup>

[*Linaria texana* Scheele] - HDH

[*Nuttallanthus texanus* (Scheele) D. A. Sutton] - KTZ

∴ *Linaria dalmatica* (L.) Mill. subsp. *dalmatica* - KTZ, E/W

[*Linaria dalmatica* (L.) Mill.] - Dorn01, GPF, IMF, UTF

[*Linaria dalmatica* (L.) Mill. var. *macedonica* Fenzl] - HDH

[*Linaria genistifolia* (L.) Mill. subsp. *dalmatica* (L.) Maire et al.] - SF!, W&W

∴ *Linaria vulgaris* Mill. - Dorn01, HDH, KTZ, SF!, W&W, E/W

[*Linaria vulgaris* Hill.] - GPF, IMF, UTF

*Lindernia dubia* (L.) Pennell var. *anagallidea* (Michx.) Cooperr. - KTZ, SFE, W&W, E

[*Lindernia anagallidea* (Michx.) Pennell] - HDH

[*Lindernia dubia* (L.) Pennell] - GPF, IMF

*Maurandya antirrhiniflora* Humb. & Bonpl. ex Willd. - M&H, KWA

[*Antirrhinum antirrhiniflora* (Humb. & Bonpl. ex Willd.) Hitchcock] - KWA

[*Antirrhinum maurandioides* Gray] - KTZ

[*Asarina antirrhiniflora* (Humb. & Bonpl. ex Willd.) Pennell] - KTZ

[*Maurandella antirrhiniflora* (Humb. & Bonpl. ex Willd.) Tothmaler] - KWA, KTZ

*Maurandya wislizeni* Engelm. ex Gray - KWA, M&H

[*Antirrhinum wislizeni* (Engelm. ex Gray) Tidestrom] - KTZ

[*Asarina wislizeni* (Engelm. ex Gray) Pennell] - KTZ

[*Epixiphium wislizeni* (Engelm. ex Gray) Munz] - KTZ

*Nuttallanthus* (see **Linaria**)

Penstemon

(Identification sources: \_\_\_\_\_)

*Penstemon acaulis* L. Williams - **ENDEMIC** <WY>, Dorn01

*Penstemon albidus* Nutt. - Dorn01, GPF, HDH, KTZ, SFE, W&W, E

*Penstemon ambiguus* Torr. - HDH, E

[*Leiostemon ambiguus* (Torr.) Greene] - SFE, W&W

[*Penstemon ambiguus* Torr. var. *ambiguus*] - GPF, IMF

[*Penstemon ambiguus* Torr. var. *laevissimus* (D. D. Keck) N. H. Holmgren] - IMF, GPF, KTZ, UTF

*Penstemon angustifolius* Nutt. ex Pursh var. *angustifolius* - Dorn01, GPF, KTZ, W&W, E

[*Penstemon angustifolius* Nutt.] - SFE

[*Penstemon angustifolius* Nutt. ex Pursh subsp. *angustifolius*] - HDH, W&W<sup>1</sup>

[*Penstemon angustifolius* Pursh var. *angustifolius*] - IMF, UTF

*Penstemon angustifolius* Nutt. ex Pursh var. *caudatus* (A. Heller) Rydb. - Dorn01, GPF, KTZ, E

[*Penstemon angustifolius* Nutt. subsp. *caudatus* (A. Heller) D. D. Keck] - SFE

[*Penstemon angustifolius* Nutt. ex Pursh subsp. *caudatus* (A. Heller) D. D. Keck] - HDH, W&W<sup>1</sup>

- [*Penstemon angustifolius* Pursh var. *caudatus* (A. Heller) Rydb.] - IMF, UTF  
 [*Penstemon angustifolius* Nutt. ex Pursh var. *angustifolius*] - W&W
- Penstemon angustifolius* Nutt. ex Pursh var. *venosus* (D. D. Keck) N. H. Holmgren - KTZ, WJ  
 [*Penstemon angustifolius* Pursh var. *venosus* (D. D. Keck) N. H. Holmgren] - IMF, UTF
- Penstemon angustifolius* Nutt. ex Pursh var. *vernalensis* N. H. Holmgren - KTZ, W&W, W  
 [*Penstemon angustifolius* Nutt. var. *vernalensis* N. H. Holmgren] - SWF, W&W<sup>1</sup>  
 [*Penstemon angustifolius* Pursh var. *vernalensis* N. H. Holmgren] - IMF, UTF
- Penstemon arenicola* A. Nelson - Dorn01, HDH, IMF, KTZ, SFW, UTF, W&W, W
- Penstemon aridus* Rydb. - Dorn01
- Penstemon auriberbis* Pennell - GPF, HDH, KTZ, SFE, W&W, E
- Penstemon barbatus* (Cav.) Roth var. *barbatus* - IMF, UTF  
 [*Chelone barbata* Cav.] - M&H  
 [*Penstemon barbatus* (Cav.) Roth subsp. *barbatus*] - KWA, HDH, exp., KTZ, ,W&W
- Penstemon barbatus* (Cav.) Roth var. *torreyi* (Benth.) A. Gray - IMF, UTF, E/W  
 [*Penstemon barbatus* (Cav.) Roth subsp. *torreyi* (Benth.) D. D. Keck] - HDH, KTZ, W&W<sup>1</sup>  
 [*Penstemon barbatus* Torr. subsp. *torreyi* (Benth.) D. D. Keck] - W&W  
 [*Penstemon barbatus* (Cav.) Roth var. *torreyi* (Benth.) D. D. Keck] - SF!
- Penstemon barbatus* (Cav.) Roth var. *trichander* A. Gray - IMF, UTF, W  
 [*Penstemon barbatus* (Cav.) Roth subsp. *trichander* (A. Gray) D. D. Keck] - HDH, KTZ  
 [*Penstemon barbatus* (Cav.) Roth. var. *trichander* (A. Gray) D. D. Keck] - SFW  
 [*Penstemon barbatus* Torr. subsp. *trichander* (A. Gray) D. D. Keck] - W&W
- Penstemon brandegeei* (Porter) Porter ex Rydb. - WJ, W&W<sup>1</sup>, E/W  
 [*Penstemon alpinus* Torr. subsp. *brandegei* (Porter) Penland] - HDH  
 [*Penstemon brandegei* Porter] - SF!  
 [*Penstemon glaber* Pursh var. *brandegeei* (Porter) C. C. Freeman] - KTZ  
 [*Penstemon glaber* Pursh var. *brandegei* (Porter ex Rydb.) C. C. Freeman] - GPF  
 [*Penstemon glaber* Pursh var. *brandegei* (Porter ex Rydb.) Umber & Latady, unpubl.] - W&W
- Penstemon bridgesii* A. Gray - HDH, SFW, W&W, W  
 [*Penstemon rostriflorus* Kellogg] - IMF, KTZ, UTF, W&W<sup>1</sup>
- Penstemon buckleyi* Pennell - GPF, HDH, KTZ, SFE, W&W, E
- Penstemon caespitosus* Nutt. ex A. Gray var. *caespitosus* - IMF, KTZ, UTF, E/W  
 [*Penstemon caespitosus* Nutt.] - Dorn01, SF!  
 [*Penstemon caespitosus* Nutt. ex A. Gray] - HDH, W&W
- Penstemon caespitosus* Nutt. ex A. Gray var. *perbrevis* (Pennell) N. H. Holmgren - Dorn01, IMF, KTZ, UTF
- Δ*Penstemon cobaea* Nutt. - GPF, HDH, KTZ, SFE, W&W, E  
 [WJ - a waif]
- Penstemon comarrhenus* A. Gray - HDH, IMF, KTZ, SFW, UTF, W&W, W
- Penstemon crandallii* A. Nelson subsp. *atratus* D. D. Keck - KTZ, W&W, E/W  
 [*Penstemon caespitosus* Nutt. ex A. Gray] - SF!, W&W<sup>1</sup>  
 [*Penstemon crandallii* A. Nelson var. *atratus* (D. D. Keck) N. H. Holmgren] - IMF, UTF
- Penstemon crandallii* A. Nelson subsp. *crandallii* - HDH, KTZ, W&W, E/W  
 [*Penstemon caespitosus* Nutt. ex A. Gray] - SF!, W&W<sup>1</sup>  
 [*Penstemon crandallii* A. Nelson] - WJ  
 [*Penstemon crandallii* A. Nelson var. *crandallii*] - IMF, UTF  
 [*Penstemon teucroides* Greene] - HDH, IMF, KTZ, W&W
- Penstemon crandallii* A. Nelson subsp. *glabrescens* (Pennell) D. D. Keck - HDH, KTZ, E/W  
 [*Penstemon caespitosus* Nutt. ex A. Gray] - SF!, W&W<sup>1</sup>  
 [*Penstemon crandallii* A. Nelson subsp. *crandallii*] - W&W  
 [*Penstemon glabrescens* Pennell] - WJ
- Penstemon crandallii* A. Nelson subsp. *procumbens* (Greene) D. D. Keck - HDH, KTZ, E/W  
 [*Penstemon caespitosus* Nutt. ex A. Gray] - SF!, W&W<sup>1</sup>

- [*Penstemon crandallii* A. Nelson subsp. *crandallii*] - W&W  
 [*Penstemon procumbens* Greene] - WJ
- Penstemon cyaneus* Penn. - KTZ
- Penstemon cyanocaulis* Payson - HDH, IMF, KTZ, SFW, UTF, W&W, W
- Penstemon cyathophorus* Rydb. - Dorn01, HDH, IMF, KTZ, SF!, W&W, E/W
- ◆ *Penstemon debilis* O'Kane & J. L. Anderson - **ENDEMIC** <CO>, KTZ, SFW, W&W, W
- ◆ *Penstemon degeneri* Crosswhite - **ENDEMIC** <CO>, KTZ, SFE, W&W, E
- Penstemon eatonii* A. Gray var. *eatonii* - IMF, SFW, UTF, W  
 [*Penstemon eatonii* A. Gray subsp. *eatonii*] - HDH, KTZ, W&W
- Penstemon eatonii* A. Gray var. *undosus* M. E. Jones - IMF, UTF, W  
*Penstemon eatonii* A. Gray subsp. *undosus* (M. E. Jones) D. D. Keck] - HDH, KTZ, W&W  
 [*Penstemon eatonii* A. Gray var. *undosus* (M. E. Jones) D. D. Keck] - SFW
- Penstemon eriantherus* Pursh var. *cleburnei* (M. E. Jones) Dorn - Dorn01  
 [*Penstemon cleburnei* M. E. Jones] - KTZ
- Penstemon eriantherus* Pursh var. *eriantherus* - Dorn01, GPF, IMF, KTZ, E  
 [*Penstemon eriantherus* Pursh] - HDH, SFE, W&W
- {*Penstemon fendleri* A. Gray} - FCF, SFW, W&W<sup>1</sup>, W  
 {WJ - Not present in CO; specimen referenced by W&W is *P. lentus*}  
 {*Penstemon fendleri* Torr. & A. Gray} - GPF, KTZ <AZ, KS, NM, OK>
- Penstemon fremontii* Torr. & A. Gray ex A. Gray var. *fremontii* - KTZ, RM, W  
 [*Penstemon fremontii* Torr. & A. Gray] - Dorn01, HDH, IMF, SFW, UTF  
 [*Penstemon fremontii* Torr. & A. Gray var. *fremontii*] - W&W
- ◆ *Penstemon fremontii* Torr. & A. Gray ex A. Gray var. *glabrescens* Dorn & Lichvar  
 - **ENDEMIC** <CO>, KTZ, W  
 [*Penstemon fremontii* Torr. & A. Gray var. *glabrescens* Dorn & Lichvar] - SFW, W&W
- Penstemon gibbensii* Dorn - Dorn01, KTZ, UTF, W&W
- Penstemon glaber* Pursh var. *alpinus* (Torr.) A. Gray - Dorn01, Hartman06, GPF, KTZ, E/W  
 [*Penstemon alpinus* Torr. forma *alpinus*] - HDH  
 [*Penstemon alpinus* Torr. forma *riparius* (A. Nels.) Pennell] - HDH  
 [*Penstemon glaber* Pursh] - SF!  
 [*Penstemon glaber* Pursh var. *glaber*] - W&W
- Penstemon glaber* Pursh var. *glaber* - Dorn01, GPF, KTZ, W&W, E/W  
 [*Penstemon alpinus* Torr. subsp. *magnus* (Pennell) Penland] - HDH  
 [*Penstemon glaber* Pursh] - SF!, HDH, exp.
- Penstemon gracilis* Nutt. - Dorn01, GPF, HDH, SFE, W&W, E  
 [*Penstemon gracilis* Nutt. var. *gracilis*] - KTZ
- Penstemon grahamii* D. D. Keck - IMF, KTZ, SFW, UTF, W  
 [*Penstemon grahamii* D. D. Keck ex E. H. Graham] - W&W
- Penstemon grandiflorus* Nutt. - Dorn01, GPF, HDH, KTZ, SFE, W&W, E
- Penstemon griffinii* A. Nelson - KTZ, SFE, W&W, E  
 [*Penstemon oliganthus* Wooton & Standl.] - HDH
- ◆ *Penstemon hallii* A. Gray - **ENDEMIC** <CO>, HDH, KTZ, SF!, W&W, E/W
- ◆ *Penstemon harbourii* A. Gray - **ENDEMIC** <CO>, HDH, KTZ, SF!, W&W, E/W
- ◆ *Penstemon harringtonii* Penland - **ENDEMIC** <CO>, IMF, KTZ, SFW, W&W, W
- Penstemon haydenii* S. Wats. - Dorn01
- Penstemon humilis* Nutt. ex A. Gray var. *humilis* - IMF, UTF, W  
 [*Penstemon humilis* Nutt.] - SFW  
 [*Penstemon humilis* Nutt. ex A. Gray] - Dorn01, HDH, W&W  
 [*Penstemon humilis* Nutt. ex A. Gray subsp. *humilis*] - KTZ
- Penstemon jamesii* Benth. - GPF, IMF, KTZ, SFE, W&W, E  
 [*Penstemon jamesii* Benth. subsp. *jamesii*] - HDH

- Penstemon laricifolius* Hook. & Arn. var. *exilifolius* (A. Nelson) Payson - Dorn01, E  
 [Penstemon laricifolius Hook. & Arn.] - IMF  
 [Penstemon laricifolius Hook. & Arn. subsp. *exilifolius* (A. Nelson) D. D. Keck] - HDH, KTZ, SFE, W&W
- Penstemon laricifolius* Hook. & Arn. var. *laricifolius* - Dorn01  
 [Penstemon laricifolius Hook & Arn. subsp. *laricifolius*] - KTZ
- Penstemon lentus* Pennell var. *lentus* - IMF, KTZ, UTF  
 [Penstemon lentus Pennell] - HDH, W&W
- Penstemon linarioides* A. Gray subsp. *coloradoensis* (A. Nelson) D. D. Keck - HDH, IMF, KTZ, E/W  
 [Penstemon linarioides A. Gray] - W&W  
 [Penstemon linarioides A. Gray subsp. *coloradoensis* (A. Nelson) D. D. Keck] - SF!  
 [Penstemon linarioides A. Gray var. *viridis* D. D. Keck] - HDH
- {*Penstemon linarioides* A. Gray subsp. *linarioides*} - HDH, IMF, KTZ  
 {*Penstemon linarioides* A. Gray} - W&W
- ◆ *Penstemon mensarum* Pennell - **ENDEMIC <CO>**, HDH, KTZ, SFW, W&W, W  
 [Penstemon gratus Umber & Moorman, unpubl.] - W&W
- Penstemon moffatii* Eastw. - IMF, SFW, UTF, W&W, W  
 [Penstemon moffatii Eastw. subsp. *moffatii*] - HDH, KTZ  
 [Penstemon moffatii Eastw. subsp. *paysonii* (Pennell) D. D. Keck] - HDH, KTZ
- Penstemon nitidus* Dougl. ex Benth. var. *nitidus* - Dorn01, KTZ
- Penstemon ophianthus* Pennell - IMF, KTZ, SFW, UTF, W&W, W  
 [Penstemon breviculus (D. D. Keck) Nisbet & R. C. Jackson] - IMF, KTZ, SFW, UTF, W&W  
 [Penstemon jamesii Benth. subsp. *ophianthus* (Pennell) D. D. Keck] - HDH  
 [Penstemon parviflorus Pennell] - HDH, KTZ, SFW, W&W
- Penstemon osterhoutii* Pennell - HDH, IMF, KTZ, W&W, W  
 [Penstemon osterhoutii Pennell] - SFW
- Penstemon pachyphyllus* A. Gray ex Rydb. var. *mucronatus* (N. H. Holmgren) Neese - Dorn01, KTZ, UTF, W&W, W  
 [Penstemon pachyphyllus A. Gray var. *mucronatus* (N. H. Holmgren) Neese] - SFW  
 [Penstemon mucronatus N. H. Holmgren] - IMF, KTZ
- {*Penstemon pachyphyllus* A. Gray ex Rydb. var. *pachyphyllus*} - IMF, KTZ <UT>, UTF, W&W
- Penstemon palmeri* subsp. *typicus* Keck - KTZ  
 [WJ - widely cultivated and escaping in CO, e.g. Louisville Open Space]  
 [Penstemon palmeri A. Gray] - Dorn01
- Penstemon paysoniorum* Keck - Dorn01, KTZ
- ◆ *Penstemon penlandii* W. A. Weber - **ENDEMIC <CO>**, KTZ, SFW, W&W, W  
*Penstemon procerus* Douglas ex Graham var. *procerus* - IMF, KTZ, UTF, E/W  
 [Penstemon confertus Douglas subsp. *procerus* (Douglas) D. V. Clark] - SF!  
 [Penstemon confertus Douglas subsp. *procerus* (Douglas ex Graham) D. V. Clark, unpubl.] - W&W  
 [Penstemon procerus Douglas ex Graham] - Dorn01, HDH  
 [Penstemon procerus Douglas ex Graham subsp. *procerus*] - GPF
- Penstemon radicosus* A. Nelson - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W
- ◆ *Penstemon retrorsus* Payson ex Pennell - **ENDEMIC <CO>**, HDH, KTZ, W&W, W  
 [Penstemon caespitosus Nutt. ex A. Gray] - SFW, W&W<sup>1</sup>
- Penstemon ramaleyi* A. Nelson  
 [WJ - Occurs in Saguache Co.; stands erect with long linear leaves, somewhat different from other taxa in the *caespitosi* complex]
- Penstemon rydbergii* A. Nelson var. *aggregatus* (Pennell) N. H. Holmgren - Dorn01, IMF, KTZ, E/W  
 [Penstemon rydbergii A. Nelson] - SF!, UTF, W&W

[*Penstemon rydbergii* A. Nelson subsp. *aggregatus* (Pennell) D. D. Keck] - HDH  
*Penstemon rydbergii* A. Nelson var. *rydbergii* - Dorn01, IMF, KTZ, E/W  
 [*Penstemon rydbergii* A. Nelson] - SF!, UTF, W&W  
 [*Penstemon rydbergii* A. Nelson subsp. *rydbergii*] - HDH  
*Penstemon saxosorum* Pennell - Dorn01, HDH, KTZ, SF!, W&W, E/W  
*Penstemon scariosus* Pennell var. *albifluvis* (England) N. H. Holmgren - IMF, KTZ, SFW, UTF, W&W, W  
 [*Penstemon albifluvis* England] - KTZ  
*Penstemon scariosus* Pennell var. *cyanomontanus* Neese - KTZ, UTF, W&W  
 [*Penstemon lasiostemon* Umber & Moorman, unpublished] - W&W  
*Penstemon scariosus* Pennell var. *garrettii* (Pennell) Holmgren - Dorn01  
 [*Penstemon garrettii* Pennell] - KTZ  
*Penstemon secundiflorus* Benth. subsp. *lavendulus* Pennell - W&W<sup>1</sup>  
*Penstemon secundiflorus* Benth. subsp. *secundiflorus* - W&W<sup>1</sup>, E/W  
 [*Penstemon secundiflorus* Benth.] - GPF, HDH, KTZ, SF!, W&W  
*Penstemon strictiformis* Rydb. - IMF, KTZ, UTF, E/W  
 [*Penstemon strictus* Benth.] - SF!, W&W  
 [*Penstemon strictus* Benth. subsp. *strictiformis* (Rydb.) D. D. Keck] - HDH  
*Penstemon strictus* Benth. - Dorn01, IMF, KTZ, SF!, UTF, W&W, E/W  
 [*Penstemon strictus* Benth. subsp. *angustus* Pennell] - HDH  
 [*Penstemon strictus* Benth. subsp. *strictus*] - HDH  
*Penstemon subglaber* Rydb. - Dorn01, KTZ  
*Penstemon utahensis* Eastw. - IMF, KTZ, SFW, UTF, W&W, W  
*Penstemon versicolor* Pennell - SFE, W&W<sup>1</sup>, E  
 ◆ *Penstemon virens* Pennell ex Rydb. - **ENDEMIC** <CO,WY>, Dorn01, HDH, KTZ, W&W, E/W  
 [*Penstemon virens* Pennell] - GPF, SF!  
*Penstemon virgatus* A. Gray var. *asa-grayi* (Crosswh.) Dorn - Dorn01, E  
 [WJ - Var. *virgatus* in MS so similar to Colorado plants variety may not be defensible]  
 [*Penstemon unilateralis* Rydb.] - HDH, KTZ  
 [*Penstemon virgatus* A. Gray subsp. *asa-grayi* Crosswh.] - SFE, W&W  
*Penstemon watsonii* A. Gray - HDH, IMF, KTZ, SFW, UTF, W&W, W  
*Penstemon whippleanus* A. Gray - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Penstemon yampaensis* Penland -KTZ, W  
 [*Penstemon acaulis* L. O. Williams] - HDH  
 [*Penstemon acaulis* L. O. Williams var. *yampaensis* (Penland) Neese] - UTF  
 [*Penstemon acaulis* L. O. Williams var. *yampaensis* (Penland) Neese] - SFW, W&W  
 [*Penstemon yampaensis* Penland] - IMF

## Plantago

(Identification sources: \_\_\_\_\_)

{*Plantago aristata* Michx.} - GPF, HDH, exp., IMF, KTZ <KS, NE, NM, OK>  
*Plantago elongata* Pursh var. *elongata* - IMF, E/W  
 [*Plantago elongata* Pursh] - GPF, HDH, SF!, UTF, W&W  
 [*Plantago elongata* Pursh subsp. *elongata*] - KTZ  
*Plantago eriopoda* Torr. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 ∴ *Plantago lanceolata* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 ∴ *Plantago major* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W



[*Plantago asiatica* L.] - HDH  
[*Plantago major* L. var. *major*] - E/W  
[*Plantago major* L. var. *pachyphylla* Pilg.] - IMF  
[*Plantago major* L.] - GPF, KTZ, UTF, W&W<sup>1</sup>

***Plantago patagonica* Jacq. - KTZ, SF!, W&W**

[NS - variation associated with “varieties” {e.g. GPF} can appear on a single plant and both varieties can occur in same population]  
[*Plantago patagonica* Jacq.] - KTZ, SF!, W&W  
[*Plantago patagonica* Jacq. var. *gnaphalioides* (Nutt.) A. Gray] - IMF, UTF  
[*Plantago patagonica* Jacq. var. *patagonica*] - GPF, E/W  
[*Plantago patagonica* Jacq. var. *spinulosa* (Decne.) A. Gray] - GPF, IMF, UTF, E/W  
[*Plantago purshii* Roem. & Schult.] - HDH  
[*Plantago spinulosa* Decaisne ex DC.] - HDH

*Plantago tweedyi* A. Gray - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

**Pocilla (see *Veronica*)**

***Rhinanthus minor* L. subsp. *minor* - KTZ, E/W**

[*Rhinanthus minor* L. subsp. *borealis* (Sterneck) A. Löve] - SF!, W&W  
[*Rhinanthus rigidus* Chabert] - HDH

***Veronica***

(Identification sources: \_\_\_\_\_)

***Veronica americana* Schwein. ex Benth. - Dorn01, HDH, IMF, KTZ, UTF, W&W, E/W**

[*Veronica americana* (Raf.) Schwein.] - SF!  
[*Veronica americana* (Raf.) Schwein. ex Benth.] - GPF

**Δ*Veronica anagallis-aquatica* L. - Dorn01, GPF, HDH, IMF, KTZ, UTF, W&W**

∴ *Veronica arvensis* L. - Dorn01, GPF, HDH rep., IMF, KTZ?, UTF, W&W, no specimen

∴ *Veronica biloba* L. - Dorn01, GPF, IMF, KTZ, UTF, E/W

[*Pocilla biloba* (L.) W. A. Weber] - SF!, W&W

**Δ*Veronica catenata* Pennell - Dorn01, IMF, SF!, UTF, W&W, E/W**

[*Veronica anagallis-aquatica* L.] - KTZ  
[*Veronica catenata* Pennell var. *catenata*] - GPF  
[*Veronica salina* Schur.] - HDH

***Veronica nutans* Bongard - DA**

[DA - this diploid Western N. Amer. species is clearly distinct from the tetraploid *V. wormsckjoldii*]

***Veronica peregrina* L. var. *xalapensis* (Kunth) H. St. John & F. W. Warren - Dorn01, GPF, IMF, UTF, E/W**

[*Veronica peregrina* L. subsp. *xalapensis* (Kunth) Pennell] - KTZ, SF!, W&W  
[*Veronica peregrina* L. var. *xalapensis* (Kunth) Pennell] - HDH

∴ *Veronica persica* Poir. - Dorn01, GPF, HDH, IMF, KTZ, UTF, W&W<sup>1</sup>, misid.

[*Pocilla persica* (Poir.) Fourn.] - W&W, W&W<sup>1</sup>, misid.

∴ *Veronica polita* Fr. - GPF, KTZ, E/W

[*Pocilla polita* (Fr.) Fourn.] - SF!, W&W

***Veronica scutellata* L. - GPF, HDH, IMF, KTZ, SF!, W&W, E/W**

***Veronica serpyllifolia* L. var. *humifusa* (Dickson) Vahl - Dorn01, GPF, HDH, IMF, E/W**

[*Veronica serpyllifolia* L.] - UTF  
[*Veronica serpyllifolia* L. subsp. *humifusa* (Dickson) Syme] - KTZ  
[*Veronicastrum serpyllifolium* (L.) Fourn. subsp. *humifusum* (Dickson) W. A. Weber] - W&W

[Veronicastrum serpyllifolium (L.) Fourr. subsp. humifusum (Dickson) W. A. Weber] - SF!, W&W  
Veronica wormskjoldii Roem. & Schult. - Dorn01, HDH, IMF, UTF, E/W  
[Veronica nutans Bongard] - SF!, W&W  
[Veronica wormskjoldii Roem. & Schult. var. wormskjoldii] - KTZ

Veronicastrum (see **Veronica**)

### **Plumbaginaceae - PLB (including Limoniaceae)**

Armeria scabra Pall. subsp. sibirica (Turcz. ex Boiss.) Hylander - FNA, W&W, E/W  
[Armeria labradorica Wallr.] - HDH  
[Armeria maritima (Mill.) Willd.] - UTF  
[Armeria maritima (Mill.) Willd. subsp. sibirica (Turcz. ex Boiss.) Nyman] - KTZ  
[Armeria scabra Pall. subsp. sibirica (Turcz.) Hylander] - SF!

### **Poaceae - POA (= Gramineae)**

(Identification sources: \_\_\_\_\_)

Achnatherum (see also **Jarava**)

(Identification sources: \_\_\_\_\_)

Achnatherum aridum (M. E. Jones) Barkworth - RBS, KTZ, SFW, W&W<sup>1</sup>  
[Stipa arida M. E. Jones] - HDH, IMF, UTF, W&W, W  
Achnatherum arnowiae (S. Welsh & N. D. Atwood) Barkworth - FNA  
[NS - reported by UT3 in Mesa Co., CO, voucher not yet seen]  
[Stipa arnowiae S. Welsh & N. D. Atwood] - UT3  
Achnatherum contractum (B. L. Johnson) Barkworth - Dorn01, FNA, KTZ, W&W<sup>1</sup>  
[Oryzopsis contracta (B. L. Johnson) Shechter - RMC  
[Stipa hymenoides Roem. & Schult.] - W&W  
Achnatherum hymenoides (Roem. & Schult.) Barkworth - RBS, Dorn01, FNA, KTZ, SF!,  
W&W<sup>1</sup>  
[Oryzopsis hymenoides (Roem. & Schult.) Ricker] - GPF, HDH, IMF  
[Oryzopsis hymenoides (Roem. & Schult.) Ricker ex Piper] - E/W  
[Stipa hymenoides Roem. & Schult.] - UTF, W&W  
Achnatherum lettermanii (Vasey) Barkworth - RBS, KTZ, SF!, W&W<sup>1</sup>  
[Stipa lettermanii Vasey] - Dorn01, HDH, IMF, UTF, W&W, E/W  
Achnatherum lobatum (Swallen) Barkworth - FNA  
[Stipa lobata Swallen] - FNA  
Achnatherum nelsonii (Scribn.) Barkworth subsp. dorei (Barkworth & J. Maze) Barkworth] -  
FNA, RBS  
[Achnatherum nelsonii (Scribn.) Barkworth] - SF!, W&W<sup>1</sup>, KTZ  
[Stipa columbiana Macoun var. columbiana] - HDH, IMF  
[Stipa nelsonii Scribn. var. dorei (Barkworth & J. Maze) Dorn] - E/W  
Achnatherum nelsonii (Scribn.) Barkworth subsp. nelsonii – FNA, RBS  
[Achnatherum nelsonii (Scribn.) Barkworth] - SF!, W&W<sup>1</sup>  
[Achnatherum nelsonii (Scribn.) Barkworth var. nelsonii] - Dorn01  
[Stipa columbiana Macoun var. nelsonii (Scribn.) Hitchc.] - HDH  
[Stipa columbiana Macoun var. nelsonii (Scribn.) St. John] - IMF  
[Stipa nelsonii Scribn.] - W&W

- [*Stipa nelsonii* Scribn. subsp. *nelsonii*] - UTF  
 [*Stipa nelsonii* Scribn. var. *nelsonii*] - Hartman06, E/W  
 [*Stipa williamsii* Scribn.] - HDH, W&W
- Achnatherum nevadense** (B. L. Johnson) Barkworth - Dorn01, KTZ  
 [*Stipa nevadensis* B. L. Johnson] - IMF, UTF
- Achnatherum occidentale** (Thurb.) Barkworth - RBS, Dorn01, FNA  
 [*Achnatherum occidentale* (Thurb. ex S. Watson) Barkworth subsp. *pubescens* (Vasey) Barkworth] - KTZ, FNA  
 [*Stipa occidentalis* Thurb.] - GPF, IMF, UTF  
 [*Stipa occidentalis* Thurb. ex S. Watson] - W&W, err. rep.
- Achnatherum perplexum** Hoge & Barkworth - RBS, FNA  
 [*Stipa perplexa* (Hoge & Barkworth) J. Wipff & S.D. Jones]
- Achnatherum pinetorum** (M. E. Jones) Barkworth - RBS, Dorn01, KTZ, SFW, W&W<sup>1</sup>  
 [*Stipa pinetorum* M. E. Jones] - HDH, IMF, UTF, W&W, W
- Achnatherum richardsonii** (Link) Barkworth - RBS, Dorn01, KTZ, SF!, W&W<sup>1</sup>  
 [*Stipa richardsonii* Link] - GPF, HDH, W&W, E/W
- Achnatherum robustum** (Vasey) Barkworth - RBS, Dorn01, KTZ, SFE, W&W<sup>1</sup>  
 [*Stipa robusta* (Vasey) Scribn.] - GPF, HDH, W&W, E
- Achnatherum scribneri** (Vasey) Barkworth - RBS, Dorn01, KTZ, SF!, W&W<sup>1</sup>  
 [*Stipa scribneri* Vasey] - GPF, HDH, IMF, W&W, E/W
- Achnatherum X bloomeri** (Bol.) Barkworth - FNA, KTZ, W&W<sup>1</sup>  
 [*Oryzopsis bloomeri* (Bol.) Ricker] - GPF, HDH  
 [*Oryzopsis hymenoides* X *Stipa occidentalis*] - KTZ  
 [*Stipa X bloomeri* Bol.] - UTF, E/W  
 [*Stipa bloomeri* Bol.] - W&W  
 [X *Stiporyzopsis bloomeri* (Bol.) B. L. Johnson] - IMF, SF!
- Achnatherum thurberianum** (Piper) Barkworth - Dorn01, FNA, KTZ  
 [*Stipa thurberiana* Piper] - IMF, UTF
- Achnatherum webberi** (Thurb.) Barkworth - RBS, KTZ, W&W<sup>1</sup>, err. rep.  
 [*Oryzopsis webberi* (Thurber) Benth.] - HDH  
 [*Stipa webberi* (Thurb.) B. L. Johnson] - IMF, W&W
- ∴ **Aegilops cylindrica** Host - RBS, Dorn01, GPF, HDH, IMF, KTZ, UTF, E/W  
 [*Cylindropyrum cylindricum* (Host) A. Löve] - SF!, W&W

## X **Agrohordeum** (see **Elymus**)

### Agropyron (see also **Elymus**)

- ∴ **Agropyron cristatum** (L.) Gaertn. var. *cristatum* - Dorn01, E/W  
 [*Agropyron cristatum* (L.) Gaertn.] - GPF, IMF, UTF, W&W<sup>1</sup>  
 [*Agropyron cristatum* (L.) Gaertn. subsp. *cristatum*] - SF!, W&W
- ∴ **Agropyron cristatum** (L.) Gaertn. var. *desertorum* (Fisch. ex Link) Dorn - Dorn01, E/W  
 [*Agropyron cristatum* (L.) Gaertn.] - GPF, RBS  
 [*Agropyron cristatum* (L.) Gaertn. subsp. *desertorum* (Fisch.) A. Löve - SF!, W&W  
 [*Agropyron cristatum* (L.) Gaertn. subsp. *pectinatum* (M. Bieb.) Tzvelev] - KTZ  
 [*Agropyron desertorum* (Fisch.) Schult.] - HDH  
 [*Agropyron desertorum* Fisch. ex Link] - W&W<sup>1</sup>  
 [*Agropyron desertorum* (Fisch. ex Link) Schult.] - KTZ  
 [*Agropyron desertorum* (Link) Schult.] - UTF  
 [*Agropyron sibiricum* Willd.] - see IMF
- ∴ **Agropyron cristatum** (L.) Gaertn. var. *fragile* (Roth) Dorn - Dorn01, E/W  
 [*Agropyron cristatum* (L.) Gaertn.] - GPF, UTF  
 [*Agropyron cristatum* (L.) Gaertn. subsp. *fragile* (Roth) A. Löve] - SF!, W&W

- [*Agropyron cristatum* (L.) Gaertn. subsp. *pectinatum* (M. Bieb.) Tzvelev] - KTZ
- [*Agropyron fragile* (Roth) P. Candargy] - RBS, KTZ
- [*Agropyron mongolicum* Keng] - W&W<sup>1</sup>
- [*Agropyron pectiniforme* Roem. & Schult.] - IMF, W&W<sup>1</sup>
- ∴ *Agropyron triticeum* Gaertn. - Dorn01, HDH, E/W
- [*Eremopyrum triticeum* (Gaertn.) Nevski] - RBS, IMF, SF!, UTF, W&W, KTZ

Agrositanion (see **Elymus**)

Agrostis

(Identification sources: \_\_\_\_\_)

Agrostis (see also **Polypogon**)

- Agrostis exarata* Trin. - Dorn01, RBS, HDH, KTZ, SF!, UTF, W&W, E/W
    - [*Agrostis exarata* Trin. var. *exarata*] - IMF
    - [*Agrostis exarata* Trin. subsp. *minor* (Hook.) C. L. Hitchc.] - GPF
    - [*Agrostis exarata* Trin. var. *minor* Hook.] - IMF
  - ∴ *Agrostis gigantea* Roth - RBS, KTZ, SF!, W&W, E/W
    - [*Agrostis alba* L.] - HDH
    - [*Agrostis stolonifera* L.] - GPF, UTF
  - {*Agrostis hyemalis* (Walter) Britton, Sterns, & Poggenb.} - GPF <CO>, KTZ <KS, NE, OK>, W&W, misapp.
    - {NS - to be expected in southeastern WY based on FNA}
  - Agrostis idahoensis* Nash - Dorn01, RBS, HDH, IMF, KTZ, SF!, W&W, E/W
    - [*Agrostis bakeri* Rydb.]
    - [*Agrostis* X *idahoensis* Nash] - UTF
    - [*Agrostis idahoensis* Nash var. *bakeri* (Rydb.) W. A. Weber] - W&W
  - Agrostis mertensii* Trin. - Dorn01, RBS, KTZ, SF!, W&W, E/W
    - [*Agrostis borealis* C. J. Hartman] - HDH, IMF, UTF
  - Agrostis scabra* Willd. - Dorn01, RBS, FNA, GPF, IMF, KTZ, SF!, UTF, W&W
    - [*Agrostis geminata* Trin.] - KTZ
    - [*Agrostis scabra* Willd.] - Dorn01, GPF, IMF, KTZ, SF!, UTF, W&W
    - [*Agrostis scabra* Willd. var. *germinata* (Trin.) Swallen] - HDH
    - [*Agrostis scabra* Willd. var. *scabra*] - HDH, E/W, RMC
  - ∴ *Agrostis stolonifera* L. - Dorn01, RBS, GPF, KTZ, SF!, UTF, W&W, E/W
    - [*Agrostis palustris* Hudson] - HDH
    - [*Agrostis stolonifera* L. var. *palustris* (Hudson) Farw.] - IMF
    - [*Agrostis stolonifera* L. var. *stolonifera*] - IMF
  - Agrostis variabilis* Rydb. - Dorn01, RBS, HDH, IMF, KTZ, SF!, UTF, W&W, E/W
- 
- Alopecurus aequalis* Sobol. var. *aequalis* - KTZ, E/W
    - [*Alopecurus aequalis* Sobol.] - Dorn01, RBS, GPF, HDH, IMF, SF!, UTF, W&W
  - ∴ *Alopecurus arundinaceus* Poir. - Dorn01, RBS, KTZ
    - [*Alopecurus vetricosus* Pers.] - UTF
  - Alopecurus carolinianus* Walter - Dorn01, RBS, GPF, IMF, KTZ, SFE, UTF, W&W, E
  - ∴ *Alopecurus geniculatus* L. var. *geniculatus* - KTZ, E/W
    - [*Alopecurus geniculatus* L.] - RBS, GPF, HDH, IMF, SF!, UTF, W&W
  - Alopecurus magellenicus* Lam. - RBS, FNA
    - [*Alopecurus alpinus* J. E. Sm.] - HDH, IMF, KTZ, SF!, UTF
    - [*Alopecurus alpinus* J. E. Sm. subsp.] - W&W<sup>1</sup>, Eurasian

[*Alopecurus alpinus* J. E. Sm. var. *alpinus*] - RMC  
[*Alopecurus alpinus* L. subsp. *glaucus* (Less.) Hultén] - W&W  
[*Alopecurus borealis* Trin.] - Dorn01, E/W

∴ *Alopecurus pratensis* L. - GPF, RBS, IMF, KTZ, SF!, UTF, W&W, E/W

*Andropogon* (see also **Bothriochloa**, **Schizachyrium**)

*Andropogon gerardii* Vitman - Dorn01, RBS, FNA, GPF, HDH, IMF, KTZ, SF!, W&W, E/W  
[*Andropogon gerardii* Vitman var. *gerardii*] - UTF

*Andropogon hallii* Hack. - Dorn01, RBS, FNA, GPF, HDH, IMF, KTZ, SFE, W&W, E  
[*Andropogon gerardii* Vitman var. *chrysocomus* (Nash) Fernald] - UTF

*Anisantha* (see **Bromus**)

*Anthoxanthum hirtum* (Schrank) Y. Schouten & Veldkamp

[*Hierochloë hirta* (Schrank) Borbás subsp. *arctica* (J. Presl) G. Weim.] - RBS, KTZ, SF!, W&W, E/W

∴ *Anthoxanthum odoratum* L. subsp. *odoratum* - RBS, FNA, KTZ

[*Anthoxanthum odoratum* L.] - HDH, W&W

[*Hierochloë odorata* (L.) P. Beauv.] - Dorn01, GPF, HDH, IMF, KTZ, UTF, W&W, err. rep. based on *A. hirtum*

∴ *Apera interrupta* (L.) P. Beauv. - Dorn01, RBS, IMF, KTZ, SFE, UTF, W&W, E

*Argillochloa* (see **Festuca**)

*Aristida*

(Identification sources: \_\_\_\_\_)

Δ *Aristida adscensionis* L. - FNA, RBS, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E

*Aristida arizonica* Vasey - FNA, RBS, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E

*Aristida basiramea* Engelm. ex Vasey - FNA, RBS, KTZ, E

[*Aristida basiramea* Engelm.] - HDH, SFE, W&W

[*Aristida basiramea* Engelm. ex Vasey var. *basiramea*] - GPF

*Aristida curtissii* (A. Gray) Nash - HDH, E

[*Aristida basiramea* Engelm.] - W&W, SFE

[*Aristida basiramea* Engelm. ex Vasey var. *curtissii* (A. Gray) Shinnery] - GPF

[*Aristida dichotoma* Michx. var. *curtissii* A. Gray ex S. Watson & J. M. Coult.] - KTZ

*Aristida dichotoma* Michx. - FNA, RBS

[NS - It is uncertain which variety in our area]

*Aristida divaricata* Humb. & Bonpl. ex Willd. - FNA, RBS, GPF, HDH, KTZ, W&W, E

[*Aristida divaricata* Humb. & Bonpl.] - SFE

*Aristida havardii* Vasey - FNA, RBS, KTZ, W&W, E

[*Aristida purpurea* Nutt.] - SFE

*Aristida oligantha* Michx. - RBS

[Reported for Boulder County; voucher locality uncertain]

*Aristida pansa* Wootton & Standl. - FNA

*Aristida purpurea* Nutt. var. *fendleriana* (Steud.) Vasey - Dorn01, RBS, FNA, KTZ, E/W

[*Aristida fendleriana* Steud.] - HDH

[*Aristida purpurea* Nutt.] - SF!, UTF

[*Aristida purpurea* Nutt. var. *longiseta* (Steud.) Vasey] - GPF, IMF, W&W

*Aristida purpurea* Nutt. var. *longiseta* (Steud.) Vasey - Dorn01, FNA, RBS, GPF, IMF, KTZ, W&W, E/W

[*Aristida longiseta* Steud. var. *longiseta*] - HDH

[*Aristida longiseta* Steud. var. *rariflora* Hitchc.] - HDH

[*Aristida longiseta* Steud. var. *robusta* Merrill] - HDH

[*Aristida purpurea* Nutt.] - SF!, UTF

*Aristida purpurea* Nutt. var. *nealleyi* (Vasey) Allred - RBS, FNA, FCF

*Aristida purpurea* Nutt. var. *purpurea* - FNA, RBS, PC, GPF, IMF, KTZ, W&W, E/W

[*Aristida purpurea* Nutt.] - HDH, SF!, UTF

*Aristida purpurea* Nutt. var. *wrightii* (Nash) Allred - RBS, KTZ, E/W

[*Aristida purpurea* Nutt.] - SF!, UTF

[*Aristida purpurea* Nutt. var. *glauca* (Nees) A. Holmgren & N. Holmgren] - GPF, IMF

[*Aristida wrightii* Nash] - HDH, W&W

*Aristida ternipes* Cav. - FNA

∴ *Arrhenatherum elatius* (L.) J. Presl & C. Presl var. *elatius* - E/W

[*Arrhenatherum elatius* (L.) Presl] - GPF, UTF

[*Arrhenatherum elatius* (L.) J. & K. Presl] - Dorn01

[*Arrhenatherum elatius* (L.) P. Beauv.] - SFE

[*Arrhenatherum elatius* (L.) P. Beauv. ex J. Presl & C. Presl] - RBS, IMF, W&W

[*Arrhenatherum elatius* (L.) Mert. & W. D. J. Koch] - SFW

[*Arrhenatherum elatius* (L.) Presl var. *elatius*] - HDH

[*Arrhenatherum elatius* (L.) P. Beauv. ex J. Presl & C. Presl var. *elatius*] - KTZ

∴ *Avena fatua* L. - Dorn01, RBS, HDH, IMF, KTZ, SF!, E/W

[*Avena fatua* L. var. *fatua*] - GPF, UTF, W&W

∴ *Avena sativa* L. - Dorn01, RBS, HDH, IMF, KTZ, E/W

[*Avena fatua* L. var. *sativa* (L.) Haussk.] - GPF, SF!, UTF, W&W

*Avenula hookeri* (Scribn.) Holub - RBS, SF!, W&W, FNA

[*Helictotrichon hookeri* (Scribn.) Henrard] - Dorn01, GPF, HDH, IMF, KTZ, E/W

*Beckmannia syzigachne* (Steud.) Fernald - Dorn01, RBS, GPF, HDH, IMF, KTZ, SFW, E/W

[*Beckmannia syzigachne* (Steud.) Fernald subsp. *baicalensis* (Kusn.) T. Koyama & Kuwano] - SFE, W&W

*Blepharoneuron tricholepis* (Torr.) Nash - RBS, HDH, IMF, SF!, UTF, W&W, E/W

[NS - P. Peterson indicates that this taxon falls into *Muhlenbergia* based on ITS and chloroplast sequences]

*Bothriochloa*

(Identification sources: \_\_\_\_\_)

*Bothriochloa barbinodis* (Lag.) Herter - FNA, RBS, IMF, KTZ, SFW, UTF, W&W, W

[*Andropogon barbinodis* Lag.] - GPF

∴ *Bothriochloa bladhii* (Retz.) S. T. Blake - FNA, RBS, KTZ, SFE, W&W, E

[*Andropogon bladhii* Retz.] - GPF

∴ *Bothriochloa ischaemum* (L.) Keng var. *songarica* (Rubr. ex Fisch. & C. A. Mey.) Celarier & Harlan - KTZ, W&W, E

[*Bothriochloa ischaemum* (L.) Keng var. *songarica* (Rubr.) Celarier & Harlan] - SFE

[*Andropogon ischaemum* L. var. *songaricus* Rupr. ex Fisch. & C. A. Mey.] - GPF

[*Bothriochloa ischaemum* (L.) Keng] - FNA, RBS, UTF

*Bothriochloa laguroides* (DC.) Herter subsp. *torreyana* (Steud.) Allred & Gould - FNA, KTZ, SFE, UTF, W&W, E

[*Bothriochloa laguroides* (DC.) Herter] - RBS

{*Bothriochloa saccharoides* (Sw.) Rydb.} - HDH (as *Andropogon* s.)

{NS - Our specimens likely confused with *B. laguroides* fide FNA}

{*Andropogon saccharoides* Sw.} - HDH

{*Andropogon saccharoides* Sw. var. *torreyanus* (Steud.) Hack} - GPF

{*Bothriochloa laguroides* (DC.) Herter subsp. *torreyana* (Steud.) Allred & Gould} - W&W

∴ *Bothriochloa springfieldii* (Gould) Parodi - FNA, RBS, KTZ, UTF, E

[*Andropogon springfieldii* Gould] - GPF <AZ, NM>

[*Bothriochloa springfieldii* Gould] - SFE, W&W<sup>1</sup>

*Bouteloua* Lag.

(Identification sources: \_\_\_\_\_)

[NS - *Bouteloua* and *Chondrosium* in their traditional circumscriptions are demonstrably polyphyletic and the continued recognition in the narrower sense of either genus is no longer justifiable (Columbus98; Columbus99)]

*Bouteloua barbata* Lag. - FNA, GPF, HDH, IMF, KTZ, E/W

[*Bouteloua barbata* Lag. var. *barbata*] - UTF

[*Chondrosium barbatum* (Lag.) Clayton] - SF!, RBS, W&W

*Bouteloua curtipendula* (Michx.) Torr. var. *caespitosa* Gould & Kapadia - FNA, RBS, GPF, KTZ, W&W, E/W

[*Bouteloua curtipendula* (Michx.) Torr.] - SF!

[*Bouteloua curtipendula* (Michx.) A. Gray var. *caespitosa* Gould & Kapadia] - IMF

*Bouteloua curtipendula* (Michx.) Torr. var. *curtipendula* - RBS, GPF, KTZ, W&W, E/W

[*Bouteloua curtipendula* (Michx.) Torr.] - HDH, SF!, UTF

[*Bouteloua curtipendula* (Michx.) A. Gray var. *curtipendula*] - IMF

*Bouteloua dactyloides* (Nutt.) J. T. Columbus - Columbus98; Columbus99

[*Buchloë dactyloides* (Nutt.) Engelm. - Dorn01, FNA, RBS, GPF, IMF, W&W, E

[*Buchloë dactyloides* Engelm.] - SFE

[*Buchloe dactyloides* (Nutt.) Engelm.] - HDH, KTZ, UTF

[*Bulbilis dactyloides* Raf.] - TROPICOS

[*Calanthera dactyloides* Kunth] - TROPICOS

[*Lasiostega humilis* Rupr. ex Benth.] - TROPICOS

*Bouteloua eriopoda* (Torr.) Torr. - Dorn01, FNA, GPF, HDH, IMF, KTZ, UTF, E

[*Chondrosium eriopodum* Torr.] - SFE, RBS, W&W

*Bouteloua gracilis* (Kunth) Lag. - HDH

[*Bouteloua gracilis* (Kunth) Lag. ex Griffiths] - Dorn01, FNA, GPF

[*Bouteloua gracilis* (Kunth) Lag. ex Steud.] - IMF, UTF

[*Bouteloua gracilis* (Kunth) Lag. var. *gracilis*] - E/W

[*Bouteloua gracilis* (Willd. ex Kunth) Lag. ex Griffiths] - KTZ

[*Chondrosium gracile* Kunth] - SF!, RBS, W&W

*Bouteloua hirsuta* Lag. var. *hirsuta* - FNA, KTZ, E

[*Bouteloua hirsuta* Lag.] - Dorn01, GPF, HDH, IMF, UTF

[*Chondrosium hirsutum* (Lag.) Sweet - SFE, RBS, W&W

*Bouteloua simplex* Lag. - FNA, GPF, HDH, IMF, KTZ, UTF, E/W

[*Chondrosium prostratum* (Lag.) Sweet] - SF!, W&W

[*Chondrosium simplex* (Lag.) Kunth] - RBS

[*Bouteloua prostratum* Lag.] - W&W

∴ *Brachypodium distachyon* (L.) P. Beauv. - HDH, RBS, KTZ, W&W

### Briza

[NS - No current evidence suggests that these two species are established in our region]

∴ {*Briza maxima* L.} - FNA, RBS, IMF, KTZ, SFW, W&W, W

∴ {*Briza media* L.} - FNA, RBS, KTZ, SFE, W&W, E

### Bromelica (see **Melica**)

### Bromopsis (see **Bromus**)

### Bromus

[NS - See Snow07d for a recent generic key for SRMR species]

(Identification sources: \_\_\_\_\_)

{*Bromus anomalus* Rupr. ex E. Fourn.} - Dorn01, HDH, IMF, KTZ <AZ>, UTF, E/W

{NS - segregated from *Bromus porteri* in FNA Vol. 24}

∴ {*Bromus berterianus* Colla} - KTZ <AZ, UT>, W&W<sup>1</sup>, err. rep.

{*Bromus trinii* Desvaux} - HDH, IMF, UTF, W&W

∴ *Bromus briziformis* Fisch. & C. A. Mey. - Dorn01, RBS, FNA, KTZ, SF!, UTF, W&W, E/W

[*Bromus brizaeformis* Fisch. & C. A. Mey.] - HDH, IMF

*Bromus carinatus* Hook. & Arn. - Dorn01, GPF, HDH, IMF, KTZ, UTF, E/W

[*Bromus marginatus* Nees] - HDH

[*Bromus marginatus* Nees ex Steud.] - KTZ

[*Bromus marginatus* Nees ex Steud. var. *breviaristatus* (Buckley) Beetle] - KTZ

[*Ceratochloa carinata* (Hook. & Arn.) Tutin] - RBS, SF!, W&W

∴ *Bromus catharticus* Vahl - HDH, KTZ, UTF

[*Bromus unioloides* Kunth] - GPF

[*Bromus willdenowii* Kunth] - IMF

[*Ceratochloa unioloides* (Willd.) P. Beauv.] - W&W

*Bromus ciliatus* L. - Dorn01, GPF, IMF, UTF, E/W, Peterson07

[*Bromus canadensis* Michx.] - E/W

[*Bromopsis canadensis* (Michx.) Holub] - SF!

[*Bromopsis canadensis* (Michx.) Holub subsp. *canadensis*] - W&W

[*Bromus ciliatus* L. var. *ciliatus*] - HDH

[*Bromus ciliatus* L. var. *richardsonii* (Link) Boivin] - KTZ

[*Bromus frondosus* (Shear) Wooton & Standl.] - UTF

∴ *Bromus commutatus* Schrad. - Dorn01, RBS, GPF, HDH, IMF, KTZ, SF!, W&W, E/W

∴ *Bromus diandrus* Roth - FNA, KTZ, E/W, UTF

[*Anisantha diandra* (Roth) Tutin] - SF!, W&W<sup>1</sup>

[*Anisantha diandra* (Roth) Tutin ex Tzvelev] - RBS

[*Bromus rigidus* Roth] - KTZ, E/W

∴ *Bromus erectus* Huds. - FNA

*Bromus frondosus* (Shear) Wooton & Standl. - FNA, FCF, HDH, IMF, KTZ

[*Bromopsis ciliatus* complex] - W&W

[*Bromopsis frondosa* (Shear) Holub] - RBS, W&W

∴ *Bromus hordeaceus* L. subsp. *hordeaceus* - KTZ, E/W

[*Bromus hordeaceus* L.] - RBS, SF!, UTF, W&W



- [*Bromus mollis* L.] - IMF
- ∴ *Bromus inermis* Leyss. - FNA, HDH, UTF
- [*Bromopsis inermis* (Leyss.) Holub] - RBS, SF!, W&W
- [*Bromus inermis* Leyss. subsp. *inermis*] - GPF
- [*Bromus inermis* Leyss. subsp. *inermis* var. *inermis*] - KTZ
- [*Bromus inermis* Leyss. var. *inermis*] - Dorn01, IMF, E/W
- ∴ *Bromus japonicus* Thunb. ex Murray - Dorn01, GPF, KTZ, UTF, E/W
- [*Bromus japonicus* Thunberg] - RBS, HDH, IMF, SF!, W&W
- Bromus lanatipes* (Shear) Rydb. - GPF, KTZ, E/W
- [*Bromopsis lanatipes* (Shear) Holub] - RBS, SF!, W&W
- [*Bromus anomalus* Ruprecht ex E. Fourn. var. *lanatipes* (Shear) Hitchc.] - HDH
- [*Bromus porteri* (Coul.) Nash var. *lanatipes* Shear] - Gould75
- {*Bromus latiglumis* (Scribn. ex Shear) Hitchc.} - to be expected in e. Wyoming
- Bromus mucroglumis* Wagnon - FNA, RBS
- Bromus polyanthus* Scribn. - FNA, HDH
- [*Bromus polyanthus* Scribn. var. *paniculatus* Shear] - KTZ
- [*Bromus polyanthus* Scribn. var. *polyanthus*] - KTZ
- [*Bromus porteri* (Coul.) Nash] - KTZ
- Bromus porteri* (J. M. Coul.) Nash - FNA, SF!, W&W
- [*Bromus porteri* Rydb.] - GPF
- [*Bromopsis porteri* (Rydb.) Holub] - RBS, SF!, W&W
- Bromus pubescens* Muhl. ex Willd. - Dorn01, GPF, KTZ, E
- [*Bromopsis pubescens* (Muhl.) Holub] - SFE
- [*Bromopsis pubescens* (Muhl. ex Willd.) Holub] - RBS, W&W
- [*Bromus ciliatus* L. var. *laeviglumis* Scribn. ex Shear - HDH
- [*Bromus kalmii* A. Gray] - GPF
- [*Bromus latiglumis* Hitchc.] - HDH
- [*Bromus latiglumis* (Scribn. ex Shear) Hitchc.] - GPF
- [*Bromus pubescens* var. *laeviglumis* (Scribn. ex Shear) Swallen] - Gould75
- [*Bromus purgans* L.] - HDH, W&W<sup>1</sup>
- Bromus pumpellianus* Scribn. - FNA
- [*Bromopsis pumpelliana* (Scribn.) Holub] - RBS, SF!, W&W
- [*Bromus inermis* Leyss.] - UTF
- [*Bromus inermis* Leyss. subsp. *pumpellianus* (Scribn.) Wagnon] - GPF
- [*Bromus inermis* Leyss. subsp. *pumpellianus* (Scribn.) Wagnon var. *pumpellianus*] - KTZ
- [*Bromus inermis* Leyss. var. *pumpellianus* (Scribn.) C. L. Hitchc.] - E/W
- [*Bromus pumpellianus* Scribn. var. *pumpellianus*] - HDH
- [*Bromus pumpellianus* Scribn. var. *tweedyi* Scribn.] - HDH
- [*Bromus inermis* Leyss. subsp. *pumpellianus* (Scribn.) Wagnon var. *pumpellianus*] - KTZ
- [*Bromus inermis* Leyss. var. *purpurascens* (Hook.) Wagnon] - Dorn01, IMF
- ∴ *Bromus racemosus* L. - RBS, HDH, KTZ, SF!, W&W, E/W
- [*Bromus hordeaceus* L.] - UTF
- [*Bromus mollis* L.] - GPF, IMF
- Bromus richardsonii* Link - FNA, Peterson07
- [*Bromopsis richardsonii* (Link) Holub] - RBS
- ∴ *Bromus rubens* L. - FNA, FCF
- ∴ *Bromus secalinus* L. - Dorn01, RBS, GPF, HDH, IMF, KTZ, SF!, UTF, W&W
- [*Bromus secalinus* L. var. *secalinus*] - E/W
- ∴ *Bromus squarrosus* L. - Dorn01, RBS, GPF, KTZ, SF!, W&W, E/W
- ∴ *Bromus sterilis* L. - HDH, IMF, KTZ, UTF, E/W
- [*Anisantha sterilis* (L.) Nevski] - RBS, SF!, W&W
- ∴ *Bromus tectorum* L. - Dorn01, GPF, KTZ, UTF, E/W

[*Anisantha tectorum* (L.) Nevski] – RBS, SF!, W&W  
[*Bromus tectorum* L. var. *glabratus* Spenner] - HDH, IMF  
[*Bromus tectorum* L. var. *tectorum*] - HDH, IMF

Buchloë (see **Bouteloua**)

Calamagrostis

(Identification sources: \_\_\_\_\_)

- Calamagrostis canadensis (Michx.) P. Beauv. var. canadensis - FNA, KTZ, E/W  
[Calamagrostis canadensis (Michx.) P. Beauv.] - Dorn01, RBS, GPF, HDH, IMF, SF!, UTF, W&W  
[Calamagrostis scribneri Beal]- HDH, E/W
- Calamagrostis canadensis (Michx.) P. Beauv. var. langsdorfii (Link) Inman - FNA, KTZ, W&W,  
Calamagrostis canadensis (Michx.) P. Beauv. - GPF, UTF  
Calamagrostis langsdorfii (Link) Trin. - W&W<sup>1</sup>, misapp.
- Calamagrostis montanensis (Scribn.) Scribn. - Dorn01, RBS, FNA, GPF, HDH, IMF, W&W  
[Calamagrostis montanensis (Scribn.) Scribn. ex Vasey] - E/W  
[Calamagrostis montanensis Scribn.] - SF!  
[Calamagrostis montanensis Scribn. ex Vasey] - KTZ
- Calamagrostis purpurascens R. Br. - Dorn01, RBS, FNA, GPF, HDH, IMF, SF!, UTF, W&W  
[Calamagrostis purpurascens R. Br. var. purpurascens] - KTZ, E/W
- Calamagrostis rubescens Buckley - Dorn01, RBS, FNA, HDH, IMF, KTZ, SFW, UTF, W&W,  
W
- Calamagrostis scopulorum M. E. Jones - Dorn01, RBS, FNA, HDH, KTZ, SFW, W&W, W
- Calamagrostis stricta (Timm) Koeler subsp. inexpansa (A. Gray) C. W. Greene - FNA, KTZ  
[Calamagrostis inexpansa A. Gray] - Dorn01, HDH, E/W  
[Calamagrostis neglecta (Ehrh.) P. Gaertn., B. Mey., & Scribn.] - HDH, IMF  
[Calamagrostis stricta (Timm) Koeler] - GPF, SF!, UTF, W&W
- Calamagrostis stricta (Timm) Koeler subsp. stricta - FNA  
[Calamagrostis stricta (Timm) Koeler var. stricta] - E/W  
[Calamagrostis neglecta (Ehrh.) P. Gaertn., B. Mey., & Scherb.] - IMF  
[Calamagrostis stricta (Timm) Koeler] - Dorn01, GPF, SF!, UTF, W&W  
[Calamagrostis stricta (Timm) Koeler subsp. stricta var. stricta] - KTZ
- Calamovilfa gigantea (Nutt.) Scribn. & Merr. - FNA, RBS, GPF, HDH, IMF, KTZ, SF!, UTF,  
W&W, E/W
- Calamovilfa longifolia (Hook.) Scribn. var. longifolia - KTZ, E  
[Calamovilfa longifolia (Hook.) Scribn.] - Dorn01, FNA, RBS, GPF, HDH, IMF, SFE, W&W
- Catabrosa aquatica (L.) P. Beauv. var. aquatica - KTZ, E/W  
[Catabrosa aquatica (L.) P. Beauv.] - Dorn01, GPF, HDH, IMF, SF!, UTF, W&W
- ∴ *Cenchrus echinatus* L. - FNA
- Cenchrus longispinus* (Hack.) Fernald - Dorn01, RBS, FNA, GPF, IMF, KTZ, SF!, UTF, W&W,  
E/W
- Cenchrus spinifex* Cav. - FNA, RBS, KTZ  
[*Cenchrus pauciflorus* Benth.] - HDH, W&W, err. rep.

Ceratochloa (see **Bromus**)

*Chloris verticillata* Nutt. - Dorn01, FNA, RBS, GPF, HDH, KTZ, SF!, UTF, W&W, E/W  
*Chloris virgata* Sw. - Dorn01, FNA, RBS, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Chondrosum* (see **Bouteloua**)

*Cinna latifolia* (Trev. ex Goebb.) Griseb. - Dorn01, GPF, IMF, KTZ, E/W  
[*Cinna latifolia* (Trev.) Griseb.] - HDH, SF!, W&W

*Critesion* (see **Hordeum**)

∴ *Crypsis alopecuroides* (Pill. & Mitterp.) Schrad. - Dorn01, FNA, RBS, KTZ, SFE, UTF, W&W, E

*Cylindropyrum* (see **Aegilops**)

∴ *Cynodon dactylon* (L.) Pers. var. *dactylon* - FNA, E/W  
[*Cynodon dactylon* (L.) Pers.] - GPF, RBS, HDH, IMF, KTZ, SF!, UTF, W&W

∴ *Cynosurus cristatus* L. - HDH, KTZ, W&W

∴ *Cynosurus echinatus* L. - Hartman06

∴ *Dactylis glomerata* L. - Dorn01, GPF, HDH, IMF, SF!, UTF, W&W, E/W  
[*Dactylis glomerata* L. subsp. *glomerata*] - KTZ

∴ *Dactyloctenium aegyptium* (L.) Willd. - KTZ, FNA, RBS  
[*Dactyloctenium aegyptium* (L.) K. Richt.] - HDH  
[*Dactyloctenium aegyptium* (L.) P. Beauv.] - UTF

*Danthonia californica* Bol. - Dorn01, RBS, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Danthonia intermedia* Vasey - Dorn01, RBS, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Danthonia parryi* Scribn. - Dorn01, RBS, FNA, HDH, KTZ, SF!, W&W, E/W

*Danthonia spicata* (L.) P. Beauv. ex Roem. & Schult. - Dorn01, RBS, FNA, GPF, KTZ, E  
[*Danthonia spicata* (L.) P. Beauv.] - SFE  
[*Danthonia spicata* (L.) P. Beauv. ex Roem. & Schult. var. *pinetorum* Piper] - HDH, W&W

*Danthonia unispicata* (Thurb.) Munro ex Macoun - FNA, IMF, KTZ, UTF, W  
[*Danthonia unispicata* (Thurb.) Macoun] - GPF  
[*Danthonia unispicata* (Thurb.) Munro] - HDH, SFW, W&W  
[*Danthonia unispicata* (Thurb.) Munro ex Vasey] - RBS

*Dasyochloa pulchella* (Kunth) Willd. ex Rydb. - FNA, RBS, KTZ, W&W  
[*Dasyochloa pulchella* (Kunth) Rydb.] - SFW  
[*Erioneuron pulchellum* (Kunth) Tateoka] - IMF, UTF, W  
[*Tridens pulchellus* (Kunth) Hitchc.] - HDH

*Deschampsia* (see also **Vahlodea**)

*Deschampsia brevifolia* R. Br. - FNA

*Deschampsia caespitosa* (L.) P. Beauv. - Dorn01, KTZ, UTF  
 [Deschampsia caespitosa (L.) P. Beauv.] - IMF, SF!  
 [Deschampsia caespitosa (L.) P. Beauv. subsp. caespitosa] - HDH  
 [Deschampsia caespitosa (L.) P. Beauv. var. caespitosa] - GPF, E/W  
 [Deschampsia caespitosa (L.) P. Beauv. subsp. alpicola (Rydb.) A. Löve, D. Löve, & B. M. Kapoor] - W&W, SFE  
 [Deschampsia caespitosa (L.) P. Beauv. subsp. caespitosa] - W&W  
 [Deschampsia caespitosa (L.) P. Beauv. subsp. glauca (Hartman) Hartman] - KTZ  
 Δ *Deschampsia elongata* (Hook.) Munro - Dorn01, FNA  
 Δ *Deschampsia flexuosa* (L.) Trin. - FNA  
 [Avenella flexuosa (L.) Drejer] - Chiapella07

## Dichanthelium

(Identification sources: \_\_\_\_\_)

*Dichanthelium acuminatum* (Sw.) Gould & C. A. Clark var. *acuminatum* - GPF, KTZ, W&W, E  
 [NS - infraspecific taxa likely artificial; doctoral studies in progress by Rick Hammer at Texas A & M and others at North Carolina State University]  
 [Dichanthelium acuminatum (Sw.) Gould] - Dorn01  
 [Dichanthelium acuminatum (Sw.) Freckmann var. *sericeum* (Schmoll) Freckmann] - W&W<sup>1</sup>  
 [Dichanthelium acuminatum (Sw.) Gould & C. A. Clark] - RBS, SFE, W&W<sup>1</sup>  
 [Panicum acuminatum Sw.] - UTF  
*Dichanthelium acuminatum* (Sw.) Gould & C. A. Clark var. *fasciculatum* (Torr.) Freckmann  
 - KTZ, W  
 [Dichanthelium acuminatum (Sw.) Freckmann] - SFW  
 [Dichanthelium acuminatum (Sw.) Gould & C. A. Clark var. *acuminatum*] - GPF, W&W  
 [Dichanthelium acuminatum (Sw.) Freckmann var. *fasciculatum* (Torr.) Freckmann] - SFW  
 [Dichanthelium lanuginosum (Elliott) Gould var. *fasciculatum* (Torr.) Spellenb.] - IMF  
 [Panicum huachucae Ashe] - HDH  
 [Panicum tennesseense Ashe] - HDH  
*Dichanthelium acuminatum* (Sw.) Gould & C. A. Clark var. *sericeum* (Schmoll) Freckmann  
 -KTZ, W&W, W  
 [Dichanthelium acuminatum (Sw.) Gould & C. A. Clark var. *sericeum* (Schmoll) Freckmann & Lelong] - FNA  
 [Dichanthelium acuminatum (Sw.) Freckmann] - FNA, KTZ  
 [Dichanthelium acuminatum (Sw.) Freckmann var. *sericeum* (Schmoll) Freckmann] - SFW  
 [Dichanthelium lanuginosum (Elliott) Gould var. *sericeum* (Schmoll) Freckmann] - IMF  
 [Dichanthelium lanuginosum (Elliott) Gould var. *sericeum* (Schmoll) Spellenb.] - IMF  
*Dichanthelium acuminatum* (Sw.) Gould & C. A. Clark var. *thermale* (Bol.) Freckmann - KTZ  
*Dichanthelium depauperatum* (Muhl.) Gould - Dorn01, FNA, GPF, KTZ  
*Dichanthelium linearifolium* (Scribn.) Gould - Dorn01, RBS, FNA, GPF, SFE, W&W, E  
 [Dichanthelium linearifolium (Scribn. ex Nash) Gould] - KTZ  
 [Panicum perlongum Nash] - HDH  
*Dichanthelium oligosanthes* (Schult.) Gould var. *scribnerianum* (Nash) Gould - Dorn01, GPF,  
 IMF, KTZ, SFE, W&W, E  
 [Dichanthelium oligosanthes (Schult.) Gould] - RBS  
 [Panicum oligosanthes Schult. var. *scribnerianum* (Nash) Freckmann & Lelong] - FNA  
 [Panicum oligosanthes Schult. var. *scribnerianum* (Nash) Gould] - UTF  
 [Panicum scribnerianum Nash] - HDH  
*Dichanthelium wilcoxianum* (Vasey) Freckmann - Dorn01, FNA, KTZ, SFE, W&W<sup>1</sup>, E  
 [Dichanthelium oligosanthes (Schult.) Gould var. *scribnerianum* (Nash) Gould] - W&W  
 [Dichanthelium oligosanthes (Schult.) Gould var. *scribnerianum* (Nash) Gould] - KTZ

[*Dichanthelium wilcoxianum* (Vasey) Freckmann] - RBS, GPF  
[*Panicum wilcoxianum* Vasey] - HDH

*Digitaria californica* (Benth.) Henrard - FNA, RBS, KTZ, SFE, W&W, E  
[*Trichachne californica* (Benth.) Chase] - GPF, HDH

∴ *Digitaria ischaemum* (Schreb.) Schreb. ex Muhl. - Dorn01, IMF, KTZ, UTF, W&W  
[*Digitaria ischaemum* (Schreb.) Muhl.] - FNA, RBS, HDH  
[*Digitaria ischaemum* (Schreb.) Schreb.] - SFE  
[*Digitaria ischaemum* (Schreb.) Muhl. var. *ischaemum*] - E  
[*Digitaria ischaemum* (Schreb. ex Schweigg.) Schreb ex Muhl.] - GPF

*Digitaria pubiflora* (Vasey) Wipff - FNA

*Digitaria sanguinalis* (L.) Scop. - Dorn01, RBS, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W,  
E/W

Diplachne (see **Leptochloa**)

*Distichlis stricta* (Torr.) Rydb. - Dorn01, HDH, SF!, W&W

[*Distichlis spicata* (L.) Greene] - KTZ, RBS, UTF, FNA  
[*Distichlis spicata* (L.) Greene var. *stricta* (Torr.) Scribn.] - IMF, E/W  
[*Distichlis spicata* (L.) Greene var. *stricta* (Torr.) Beetle] - GPF

∴ *Echinochloa colona* (L.) Link - FNA, RBS  
[*Panicum colonum* L.] - RBS

∴ *Echinochloa crus-galli* (L.) P. Beauv. var. *crus-galli* - FNA, HDH, E/W  
[*Echinochloa crus-galli* (L.) P. Beauv.] - Dorn01, RBS, GPF, IMF, KTZ, SF!, UTF, W&W

∴ *Echinochloa crus-pavonis* (Kunth) Schult. var. *macra* (Wiegand) Gould - FNA  
[*Echinochloa crus-galli* (L.) P. Beauv.] - IMF, UTF, W&W<sup>1</sup>  
[*Echinochloa crus-galli* (L.) P. Beauv. var. *zelayensis* (Kunth) Hitchc.] - HDH  
[*Echinochloa crus-pavonis* (Kunth) Schult. var. *macera* (Wiegand) Gould - GPF, KTZ

∴ *Echinochloa frumentacea* Link - FNA, RBS, KTZ, W&W  
[*Echinochloa crus-galli* (L.) P. Beauv.] - UTF, W&W

[*Echinochloa crus-galli* (L.) P. Beauv. var. *frumentacea* (Roxburgh) W. F. Wight] - HDH

*Echinochloa muricata* (P. Beauv.) Fernald var. *microstachya* Wiegand - Dorn01, FNA, GPF,  
KTZ

[*Echinochloa crus-galli* (L.) P. Beauv.] - IMF, UTF, W&W  
[*Echinochloa crus-gallii* (L.) P. Beauv. var. *mitis* (Pursh) Peterm.] - HDH  
[*Echinochloa muricata* (P. Beauv.) Fernald.] - RBS

∴ *Eleusine indica* (L.) Gaertn. - FNA, RBS, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

X *Elyhordeum* (see **Elymus**)

X *Elyleymus* (see **Elymus**)

*Elymus* L.

(Identification sources: \_\_\_\_\_)

[NS - While many recent authors recognize generic segregates (Kellogg89, Mason-Gamer01, FNA Vol. 24), Seberg98 questions classical genome analysis on which some genera are based. In my view a less subjective division of *Elymus* into demonstrably monophyletic genera awaits further data]

*Elymus albicans* (Scribn. & J. G. Sm.) A. Löve var. *albicans* - Dorn01, E/W

[*Agropyron albicans* Scribn. & J. G. Sm.] - HDH

[*Agropyron albicans* Scribn. & J. G. Sm. var. *albicans*] - IMF

[*Elymus albicans* (Scribn. & J. G. Sm.) A. Löve] - RBS, KTZ

[*Elymus lanceolatus* (Scribn. & J. G. Sm.) Gould] - SF!, UTF, W&W

[*Elymus lanceolatus* (Scribn. & J. G. Sm.) Gould subsp. *albicans* (Scribn. & J. G. Sm.) Barkworth & D. R. Dewey] - FNA

*Elymus albicans* (Scribn. & J. G. Sm.) A. Löve var. *griffithsii* (Scribn. & J. G. Sm. ex Piper) Dorn - Dorn01, E/W

[*Agropyron albicans* Scribn. & J. G. Sm. var. *griffithsii* (Scribn. & J. G. Sm.) A. A. Beetle] - IMF

[*Agropyron griffithsii* Scribn. & J. G. Sm.] - HDH

[*Elymus albicans* (Scribn. & J. G. Sm.) A. Löve] - KTZ

[*Elymus lanceolatus* (Scribn. & J. G. Sm.) Gould] - SF!, UTF, W&W

[*Elymus lanceolatus* (Scribn. & J. G. Sm.) Gould subsp. *albicans* (Scribn. & J. G. Sm.) Barkworth & D. R. Dewey] - FNA

*Elymus ambiguus* Vasey & Scribn. - IMF

[*Elymus ambiguus* Vasey & Scribn. var. *ambiguus*] - HDH, E/W

[*Elymus ambiguus* Vasey & Scribn. var. *strigosus* (Rydb.) Hitchc.] - HDH, rep.

[*Elymus salinus* M. E. Jones] - UTF

[*Leymus ambiguus* (Vasey & Scribn.) D. R. Dewey] - RBS, FNA, KTZ, SF!, W&W

*Elymus X aristatus* Merr.

[*Elymus elymoides* X *E. triticoides*] - KTZ

[X *Elyleymus aristatus* (Merr.) Barkworth & D. R. Dewey] - KTZ, FNA

[X *Elysitanion aristatum* (Merr.) Bowden] - IMF

*Elymus arizonicus* (Scribn. & J. G. Smith) Gould - RBS, FNA, FCF

*Elymus bakeri* (E. Nels.) A. Löve - RBS, KTZ

[*Agropyron bakeri* E. Nelson] - HDH

[*Elymus trachycaulus* (Link) Gould ex Shinners subsp. *bakeri* (E. Nelson) A. Löve] - W&W

*Elymus canadensis* L. - RBS, GPF, IMF, KTZ, SF!, UTF, W&W

[*Elymus canadensis* L. var. *canadensis*] - Dorn01, FNA, HDH, E/W

[*Elymus canadensis* L. var. *brachystachys* (Scribn. & C. R. Ball) Farw.] - FNA, HDH

[*Elymus canadensis* L. var. *hirsutus* (Farw.) Dorn] - Dorn01

[*Elymus canadensis* L. var. *robustus* (Scribn. & J. G. Sm.) Mack. & Bush] - FNA, HDH

*Elymus cinereus* Scribn. & Merr. - Dorn01, GPF, HDH, UTF, E/W

[*Elymus cinereus* Scribn. & Merr. var. *cinereus*] - IMF

[*Elymus cinereus* Scribn. & Merr. var. *pubens* (Piper) C. L. Hitchc.] - IMF

[*Leymus cinereus* (Scribn. & Merr.) A. Löve] - RBS, KTZ, SF!, W&W

∴ *Elymus elongatus* (Host) Runem. var. *elongatus* - RMC

[*Agropyron elongatum* (Host) P. Beauv.] - GPF, HDH, IMF

[*Elymus elongatus* (Host) Runem.] - UTF

[*Elytrigia elongata* (Host) Nevski] - FNA

[*Thinopyrum ponticum* (Podp.) Barkworth & D. R. Dewey] - W&W

[*Thinopyrum ponticum* (Podp.) Z. W. Liu & R. C. Wang] - KTZ

∴ *Elymus elongatus* (Host) Runem. var. *ponticus* (Podp.) Dorn - E/W

[*Agropyron elongatum* (Host) P. Beauv.] - HDH

[*Elymus elongatus* (Host) Runem.] - UTF

[*Elytrigia pontica* (Podp.) Holub] - FNA

[*Thinopyrum ponticum* (Podp.) Barkworth & D. R. Dewey] - SF!, W&W

[*Thinopyrum ponticum* (Podp.) Z. W. Liu & R. C. Wang] - KTZ

*Elymus elymoides* (Raf.) Swezey var. *brevifolius* (J. G. Sm.) Dorn - Dorn01

[*Elymus elymoides* (Raf.) Swezey] - UTF, W&W

- [*Elymus elymoides* (Raf.) Swezey subsp. *brevifolius* (J. G. Sm.) Barkworth] - RBS, KTZ  
 [Sitanion *hystrix* (Nutt.) J. G. Sm.] - HDH  
 [Sitanion *hystrix* (Nutt.) J. G. Sm. var. *brevifolium* (J. G. Sm.) C. L. Hitchc.] - GPF, IMF  
 [Sitanion *longifolium* J. G. Sm.] - E, KTZ
- Elymus elymoides* (Raf.) Swezey var. *elymoides* - Dorn01, E/W  
 [Elymus *elymoides* (Raf.) Swezey] - SF!, UTF, W&W  
 [Elymus *elymoides* (Raf.) Swezey subsp. *elymoides*] - RBS, KTZ  
 [Elymus *longifolius* (J. G. Sm.) Gould] - SF!, W&W  
 [Sitanion *hystrix* (Nutt.) J. G. Sm.] - HDH  
 [Sitanion *hystrix* (Nutt.) J. G. Sm. var. *hystrix*] - IMF
- Elymus giganteus* Vahl.- Schiebout08  
 [Elymus *arenarius* var. *giganteus* (Vahl) Schmalh. - KTZ  
 [Elymus *racemosus* Lam.] - KTZ  
 [Leymus *giganteus* (Vahl) Pilger] - KTZ  
 [Leymus *racemosus* (Lam.) Tzvelev] - RBS, FNA
- {*Elymus glabriflorus* Vasey ex L. H. Dewey) Scribn. & C. R. Ball} - FNA  
 {NS - to be expected entering e. CO from western KS; as synonym of *E. virginicus* var. *virginicus* in KTZ}
- Elymus glaucus* Buckley var. *glaucus* - IMF, UTF, E/W  
 [Elymus *glaucus* Buckley] - Dorn01, GPF, HDH, SF!, W&W  
 [Elymus *glaucus* Buckley subsp. *glaucus*] - KTZ
- Elymus X hansenii* Scribn. - KTZ, UTF  
 [Elymus *glaucus* X *E. elymoides*] - KTZ  
 [X *Elysitanion hansenii* (Scribn.) Bowden] - IMF
- X *Elymus hirtiflorus* Hitchc.  
 [Elymus *trachycausis* X *E. innovatus*] - KTZ  
 [Elymus *hirtiflorus* (Hitchc.) Barkworth] - FNA, KTZ <WY>  
 [Elymus *innovatus* Beal var. *innovatus*] - RMC
- ∴ *Elymus hispidus* (Opiz) Melderis var. *hispidus* - Dorn01, E/W  
 [Agropyron *intermedium* (Host) P. Beauv.] - HDH  
 [Agropyron *intermedium* (Host) P. Beauv. var. *intermedium*] - GPF, IMF  
 [Elymus *hispidus* (Opiz) Melderis] - UTF  
 [Elytrigia *intermedia* (Host) Nevski] - FNA  
 [Thinopyrum *intermedium* (Host) Barkworth & D. R. Dewey] - RBS, FNA, KTZ, SF!  
 [Thinopyrum *intermedium* (Host) Barkworth & D. R. Dewey subsp. *intermedium*] - W&W
- ∴ *Elymus hispidus* (Opiz) Melderis var. *ruthenicus* (Griseb.) Dorn - Dorn01, E/W  
 [Agropyron *intermedium* (Host) P. Beauv. var. *trichophorum* (Link) Halac.] - GPF, IMF  
 [Agropyron *trichophorum* (Link) K. Richt.] - HDH  
 [Elymus *hispidus* (Opiz) Melderis] - UTF  
 [Elytrigia *intermedia* (Host) Nevski] - FNA  
 [Thinopyrum *intermedium* (Host) Barkworth & D. R. Dewey] - FNA, KTZ  
 [Thinopyrum *intermedium* (Host) Barkworth & D. R. Dewey subsp. *barbulata* (Schur) Barkworth & D. R. Dewey] - SFW  
 [Thinopyrum *intermedium* (Host) Barkworth & D. R. Dewey subsp. *barbulatum* (Schur) Barkworth & D. R. Dewey] - SFE, W&W
- ∴ *Elymus junceus* Fisch. - Dorn01, GPF, IMF, UTF, E/W  
 [NS - the inclusion of *Agropyron riparium* Scribn. & J. G. Sm. in synonymy for HDH in Snow04a cannot be correct give number of florets per spikelet indicated in HDH]  
 [Psathyrostachys *juncea* (Fisch.) Nevski] - RBS, FNA, KTZ, SF!, W&W
- {*Elymus interruptus* Buckley} - FNA  
 {NS - recognition being withheld given uncertainty of species status; see FNA 24: 306}
- Elymus lanceolatus* (Scribn. & J. G. Sm.) Gould var. *lanceolatus* - Dorn01, E/W  
 [Agropyron *dasystachyum* (Hook.) Scribn.] - HDH  
 [Agropyron *dasystachyum* (Hook.) Scribn. var. *dasystachyum*] - GPF, IMF  
 [Elymus *lanceolatus* (Scribn. & J. G. Sm.) Gould] - SF!, UTF, W&W

- [*Elymus lanceolatus* (Scribn. & J. G. Sm.) Gould subsp. *lanceolatus*] - RBS, KTZ  
*Elymus lanceolatus* (Scribn. & J. G. Sm.) Gould var. *riparius* (Scribn. & J. G. Sm.) Dorn  
 - Dorn01  
 [*Agropyron dasystachyum* (Hook.) Scribn. var. *riparium* (Scribn. & J. G. Sm.) Bowden] - GPF, IMF  
 [*Agropyron riparium* Scribn. & J. G. Sm.] - HDH  
 [*Elymus lanceolatus* (Scribn. & J. G. Sm.) Gould] - UTF, W&W  
 [*Elymus lanceolatus* (Scribn. & J. G. Sm.) Gould subsp. *lanceolatus*] - KTZ  
*Elymus X macounii* Vasey - Dorn01, E  
 [*Elymus trachycaulus X Hordeum jubatum*] - KTZ  
 [*X Agrohordium macounii* (Vasey) Lepage] - GPF, IMF, SFE  
 [*Elymus macounii* Vasey] - FCF, HDH, W&W  
 [*X Elyhordeum macounii* (Vasey) Barkworth & D. R. Dewey] - Dorn01, KTZ, UTF  
*Elymus multisetus* M. E. Jones - FNA, KTZ, W  
 [*Elymus multisetus* (J. G. Sm.) Davy] - RBS, SFW, W&W  
 [*Sitanion jubatum* J. G. Sm.] - IMF  
 ∴ *Elymus ponticus* (Podp.) N. Snow - Snow07c  
 [*Agropyron elongatum* (Host) Beauv.] - IMF, KTZ  
 [*Agropyron varnense* (Velen.) Hayek] - KTZ  
 [*Elymus elongatus* (Host) Runemark] - KTZ  
 [*Elymus elongatus* (Host) var. *ponticus* (Podp.) Dorn] - Dorn01, KTZ  
 [*Elymus varnense* (Velen.) Runemark] - KTZ  
 [*Elytrigia elongata* (Host) Nevski] - KTZ  
 [*Elytrigia pontica* (Podp.) Holub] - KTZ  
 [*Lophopyrum elongatum* (Host) A. Löve] - KTZ  
 [*Thinopyrum ponticum* Barkworth & D. R. Dewey] - RBS  
 [*Thinopyrum ponticum* (Podp.) Z.-W. Liu & R.-C. Wang] - KTZ  
 [*Triticum elongatum* Podp.] - IMF  
*Elymus X pseudorepens* (Scribn. & J. G. Sm.) Barkworth & D. R. Dewey - FNA, KTZ, UTF  
 [*Elymus lanceolatus X E. trachycaulus*] - KTZ  
 [*Agropyron X pseudorepens* Scribn. & J. G. Sm.] - IMF  
 [*Agropyron pseudorepens* Scribn. & J. G. Sm. var. *magnum* Scribn. & J. G. Sm.] - HDH  
 [*Agropyron pseudorepens* Scribn. & J. G. Sm. var. *pseudorepens*] - HDH  
 [*Elytrigia repens* (L.) Nevski] - W&W  
 ∴ *Elymus repens* (L.) Gould - RBS, Dorn01, HDH, KTZ, UTF, E/W  
 [*Agropyron repens* (L.) P. Beauv.] - GPF, HDH, IMF  
 [*Elytrigia repens* (L.) Nevski] - SF!, W&W  
 [*Elytrigia repens* (L.) Desv. ex B. D. Jackson var. *repens*] - FNA  
*Elymus salinus* M. E. Jones - Dorn01, HDH, UTF, W  
 [*Elymus salina* M. E. Jones] - IMF  
 [*Leymus salina* (M. E. Jones) A. Löve] - RBS, SFW, W&W  
 [*Leymus salina* (M. E. Jones) Barkworth subsp. *salina*] - FNA  
 [*Leymus salinus* (M. E. Jones) A. Löve subsp. *salinus*] - FNA, KTZ  
*Elymus X saundersii* Vasey - Dorn01, FNA, KTZ, UTF  
 [*Elymus elymoides X E. trachycaulus*] - KTZ  
 [*Agropyron saundersii* (Vasey) Hitchc.] - HDH  
 [*X Agrositanion saundersii* (Vasey) Bowden] - IMF  
 [*Elymus saundersii* Vasey] - W&W  
*Elymus X saxicolus* Scribn. & J. G. Sm. ex Scribn. - Dorn01  
 [*Elymus elymoides X E. spicatus*] - KTZ  
 [*X Agrositanion saxicola* (Scribn. & J. G. Sm.) Bowden] - IMF  
 [*Elymus saxicola* Scribn. & J. G. Sm.] - KTZ, W&W  
 [*Elymus X saxicolus* Scribn. & J. G. Sm.] - UTF  
 [*X Pseudelymus saxicola* (Scribn. & J. G. Sm.) Barkworth & D. R. Dewey] - FNA, KTZ  
*Elymus scribneri* (Vasey) M. E. Jones - RBS, Dorn01, KTZ, SF!, UTF, W&W, E/W



- [Agropyron scribneri Vasey] - HDH, IMF  
*Elymus scribneri* X *E. trachycaulus* - FNA  
 [Agropyron subsecundum (Link) Hitchc. var. andinum (Scribn. & J. G. Sm.) Hitchc.] - HDH  
 [Agropyron trachycaulum (Link) Malte var. glaucum (Pease & Moore) Malte] - IMF  
 [Elymus trachycaulus (Link) Gould subsp. andinus (Scribn. & J. G. Sm.) A. Löve & D. Löve] - SF!, W&W  
 [Elymus trachycaulus (Link) Gould ex Shinners var. andinus (Scribn. & J. G. Sm.) Dorn] - Dorn01, E/W  
 [Elymus trachycaulus (Link) Gould ex Shinners] - UTF  
 [Elymus trachycaulus (Link) Gould ex Shinners subsp. andinus (Scribn. & J. G. Sm.) A. Löve & D. Löve] - W&W  
 [Elymus trachycaulus (Link) Gould ex Shinners subsp. trachycaulus] - KTZ  
*Elymus simplex* Scribn. & T. A. Williams ex Scribn. var. *luxurians* Scribn. & T. A. Williams ex Scribn. - Dorn01  
 [Elymus simplex Scribn. & T. A. Williams] - IMF  
 [Elymus triticoides Buckley var. simplex (Scribn. & T. A. Williams) C. L. Hitchc.] - HDH  
 [Leymus simplex (Scribn. & T. A. Williams) D. R. Dewey] - KTZ  
*Elymus simplex* Scribn. & T. A. Williams ex Scribn. var. *simplex* - Dorn01, FNA  
 [Elymus simplex Scribn. & T. A. Williams] - GPF, IMF, UTF  
 [Elymus triticoides Buckley var. simplex (Scribn. & T. A. Williams) Hitchc.] - HDH  
 [Leymus simplex (Scribn. & T. A. Williams) D. R. Dewey] - KTZ  
 [Leymus triticoides (Buckley) Pilg.] - RBS, W&W  
*Elymus smithii* (Rydb.) Gould - Dorn01, UTF, E/W  
 [Agropyron smithii Rydb.] - GPF  
 [Agropyron smithii Rydb. var. molle (Scribn. & J. G. Sm.) M. E. Jones] - HDH  
 [Agropyron smithii Rydb. var. palmeri (Scribn. & J. G. Sm.) A. Heller] - HDH, IMF  
 [Agropyron smithii Rydb. var. smithii] - HDH, IMF  
 [Pascopyrum smithii (Rydb.) A. Löve] - KTZ, W&W  
 [Pascopyrum smithii (Rydb.) A. Löve var. smithii] - SFE  
 [Pascopyrum smithii (Rydb.) A. Löve var. molle (Scribn. & J. G. Sm.) Beetle] - SFE  
 [Pascopyrum smithii (Rydb.) A. Löve forma smithii] - SFW  
 [Pascopyrum smithii (Rydb.) A. Löve forma molle (Scribn. & J. G. Sm.) Gillett & Senn] - SFW, W&W  
 [Pascopyrum smithii (Rydb.) Barkworth & D. R. Dewey] - RBS  
*Elymus spicatus* (Pursh) Gould - Dorn01, UTF, E/W  
 [Agropyron inerme (Scribn. & J. G. Sm.) Rydb.] - HDH  
 [Agropyron spicatum (Pursh) Scribn. & J. G. Sm.] - GPF, HDH, IMF  
 [Pseudoroegneria spicata (Pursh) A. Löve] - RBS, SFW  
 [Pseudoroegneria spicata (Pursh) A. Löve subsp. inermis (Scribn. & J. G. Sm.) A. Löve] - KTZ, SFE, W&W  
 [Pseudoroegneria spicata (Pursh) A. Löve subsp. spicata] - KTZ, W&W  
*Elymus trachycaulus* (Link) Gould ex Shinners subsp. *subsecundus* (Link) A. Löve & D. Löve - KTZ, W&W  
 [Agropyron caninum (L.) Beauv. subsp. majus (Vasey) C. L. Hitchc. var. unilaterale Vasey] - GPF  
 [Agropyron subsecundum (Link) Hitchc. var. subsecundum] - HDH  
 [Agropyron trachycaulum (Link) Malte var. unilaterale (Cassidy) Malte] - IMF  
 [Elymus trachycaulus (Link) Gould ex Shinners] - UTF  
 [Elymus trachycaulus (Link) Gould ex Shinners var. andinus (Scribn. & J. G. Sm.) Dorn] - RMC  
*Elymus trachycaulus* (Link) Gould ex Shinners var. *trachycaulus* - Dorn01, FNA, E/W  
 [Agropyron caninum (L.) Beauv. subsp. majus (Vasey) C. L. Hitchc. var. majus] - GPF  
 [Agropyron latiglume (Scribn. & J. G. Sm.) Rydb.] - HDH  
 [Agropyron trachycaulum (Link) Malte] - HDH  
 [Agropyron trachycaulum (Link) Malte var. trachycaulum] - IMF  
 [Elymus trachycaulus (Link) Gould] - SF!  
 [Elymus trachycaulus (Link) Gould ex Shinners] - UTF  
 [Elymus trachycaulus (Link) Gould ex Shinners subsp. trachycaulus] - RBS, KTZ, W&W  
 [Elymus violaceus (E. Nels.) Á. Löve] - RBS  
*Elymus triticoides* Buckley var. *triticoides* - HDH, IMF, E/W

[*Elymus triticoides* Buckley] - Dorn01, UTF  
[*Elymus triticoides* Buckley var. *pubescens* Hitchc.] - HDH rep., IMF  
[*Leymus triticoides* (Buckley) Pilg.] - KTZ, SF!, W&W

*Elymus villosus* Muhl. ex Willd. - Dorn01, GPF, KTZ

*Elymus violaceus* (Hornem.) Feilberg - FNA

[*Elymus alaskanus* (Scribn. & Merr.) A. Löve subsp. *latiglumis* (Scribn. & J. G. Sm.) A. Löve - KTZ  
[*Agropyron latiglume* (Scribn. & J. G. Sm.) Rydb.] - HDH  
[*Elymus trachycaulus* (Link) Gould ex Shinners subsp. *andinus* (Scribn. & J. G. Sm.) A. & D. Löve] - W&W  
[*Elymus trachycaulus* (Link) Gould ex Shinners var. *trachycaulus*] - RMC  
[*Elymus violaceus* (E. Nels.) Á. Löve] - RBS

{*Elymus virginicus* L. var. *jejunus* (Ramaley) Bush} - FNA

{NS - As of July 2007 I have been unable to confirm this taxon for our region; statements about distributions for the SRMR in FNA and GPF are vague. Inadequate time was available to exhaustively search larger collections in our region, e.g. COLO and RM}

{*Elymus virginicus*} - Dorn01

*Elymus virginicus* L. var. *submuticus* Hook. - GPF, IMF, UTF, E

[*Elymus curvatus* Piper] -RBS, FNA  
[*Elymus submuticus* (Hook.) Smyth & L. C. K. Smyth}] - KTZ  
[*Elymus virginicus* L.] - SFE, W&W  
[*Elymus virginicus* L. var. *australis* (Scribn. & Ball) Hitchc.] - HDH  
[*Elymus virginicus* L. var. *virginicus*] - RBS, HDH

X *Elysitanion* (see ***Elymus***)

*Elytrigia* (see ***Elymus***)

*Enneapogon desvauxii* P. Beauv. - FNA, RBS, GPF, IMF, SFW, UTF, W&W, W  
[*Enneapogon desvauxii* Desv. ex P. Beauv.] - KTZ

*Eragrostis*

[NS - For *Eragrostis* I recommend consulting Peterson in FNA Vol. 25]

(Identification sources: \_\_\_\_\_)

∴ *Eragrostis barrelieri* Daveau - FNA, RBS, GPF, HDH, KTZ, SFE, UTF, W&W, E

∴ *Eragrostis cilianensis* (All.) Vignolo ex Janch. - Dorn01, FNA, RBS, KTZ

[*Eragrostis cilianensis* (All.) Lutati ex Janch.] - E/W  
[*Eragrostis cilianensis* (All.) F. T. Hubbard] - SFE, W&W  
[*Eragrostis cilianensis* (All.) Link.] - HDH  
[*Eragrostis cilianensis* (All.) Janch.] - SFW  
[*Eragrostis cilianensis* (All.) E. Mosher] - GPF, IMF, UTF

*Eragrostis curtipedicellata* Buckley - FNA, RBS, GPF, HDH, KTZ, SFE, W&W, E

∴ *Eragrostis curvula* (Schrad.) Nees var. *conferta* Stapf. - E

[*Eragrostis curvula* (Schrad.) Nees] - FNA, RBS, GPF, IMF, KTZ, SFE, UTF, W&W

*Eragrostis erosa* Scribn. ex Beal - FNA

*Eragrostis hypnoides* (Lam.) Britton, Sterns, & Poggenb. - Dorn01, FNA, RBS, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E

*Eragrostis intermedia* Hitchc. - FNA

*Eragrostis lehmanniana* Nees - FNA

*Eragrostis lutescens* Scribn. - FNA, RBS, HDH rep., IMF, KTZ, SFE, W&W<sup>1</sup>, E

[*Eragrostis cilianensis* (All.) Vignolo ex Janch.] - UTF, W&W  
 {*Eragrostis mexicana* (Hornem.) Link subsp. *mexicana*} - KTZ <AZ, NM>  
 {*Eragrostis mexicana* (Lag.) Link} - GPF  
 {*Eragrostis neomexicana* Vasey ex L. H. Dewey} - FNA, KTZ2  
*Eragrostis mexicana* (Hornem.) Link subsp. *virescens* (J. Presl) S. D. Koch & Sanchez - KTZ,  
 RBS, UTF, W&W, E/W  
 [*Eragrostis mexicana* (Hornem.) Link subsp. *virescens* J. Presl] - FNA, SF!  
 [*Eragrostis orcuttiana* Vasey] - HDH, IMF  
 ∴ *Eragrostis minor* Host - Dorn01, FNA, RBS, GPF, KTZ, SF!, UTF, W&W, E/W  
*Eragrostis palmeri* S. Watson - FNA  
*Eragrostis pectinacea* (Michx.) Nees ex Steud. var. *miserrima* (E. Fourn.) Reeder - FNA, RBS,  
 KTZ  
 [*Eragrostis pectinacea* (Michx.) Nees] - HDH, W&W  
 [*Eragrostis pectinacea* (Michx.) Nees var. *miserrima* (E. Fourn.) Reeder] - KTZ  
 [*Eragrostis tephrosanthos* J. E. Shult.] - IMF  
*Eragrostis pectinacea* (Michx.) Nees ex Steud. var. *pectinacea* - KTZ, RBS, E/W  
 [*Eragrostis diffusa* Buckley] - HDH, W&W  
 [*Eragrostis pectinacea* (Michx.) Nees] - GPF, HDH, IMF, UTF, W&W  
 [*Eragrostis pectinacea* (Michx.) Nees ex Steud. var. *pectinacea* (Michx.) Nees] - KTZ  
 [*Eragrostis pectinacea* (Michx.) Nees var. *pectinacea*] - FNA  
 [*Eragrostis pilosa* (L.) Beauv.] - SF!, W&W<sup>1</sup>  
 ∴ *Eragrostis pilosa* (L.) P. Beauv. var. *perplexa* (L. H. Harv.) S. D. Koch - FNA, RBS, GPF,  
 E/W  
 [*Eragrostis perplexa* L. H. Harv.] - HDH  
 [*Eragrostis pilosa* (L.) Beauv.] - KTZ, SF!, W&W  
*Eragrostis pilosa* (L.) P. Beauv. var. *pilosa* - FNA, RBS, GPF, E/W  
 [*Eragrostis pilosa* (L.) P. Beauv.] - HDH, KTZ, SF!, W&W  
*Eragrostis secundiflora* J. Presl subsp. *oxylepis* (Torr.) S. D. Koch - FNA, RBS, GPF, KTZ, SFE,  
 W&W, E  
 [*Eragrostis oxylepis* (Torr.) Torr.] - HDH  
 [*Eragrostis secundiflora* C. Presl subsp. *oxylepis* (Torr.) S. D. Koch] - KTZ  
*Eragrostis sessilispica* Buckley - FNA  
*Eragrostis spectabilis* (Pursh) Steud. - FNA, RBS, GPF, HDH, KTZ, SF!, W&W, E/W  
*Eragrostis tef* (Zucc.) Trotter - RBS  
 [Reported by RBS for Larimer County]  
*Eragrostis trichodes* (Nutt.) A. W. Wood - Dorn01, FNA, RBS, GPF, HDH, KTZ, SF!, W&W,  
 E/W

*Eremopyrum* (see **Agropyron**)

*Erianthus* (see **Saccharum**)

*Eriochloa contracta* Hitchc. - FNA, RBS, GPF, HDH, KTZ, SFE, UTF, W&W, E  
*Eriochloa sericea* (Scheele) Munro ex Vasey - FNA  
 ∴ *Eriochloa villosa* (Thunb.) Kunth - FNA, KTZ

*Erioneuron pilosum* (Buckley) Nash - FNA, RBS, IMF, KTZ, SF!, UTF, W&W, E/W  
 [*Tridens pilosus* (Buckley) Hitchc.] - GPF, HDH

*Festuca* (see also **Leucopoa**, **Schedonorus**, **Vulpia**)

[NS - See Snow08b for recent key to SRMR species]

(Identification sources: \_\_\_\_\_)

- Festuca arizonica* Vasey - HDH, IMF, KTZ, SF!, W&W, Aiken95, E/W  
[*Festuca ovina* L. var. *arizonica* Hackel ex Beal] - UTF
- Festuca baffinensis* Polunin - Dorn01, KTZ, SF!, W&W, Aiken95, E/W
- Festuca brachyphylla* Schult. ex Schult. & Schult. f. subsp. *brachyphylla*  
[*Festuca brachyphylla* Schult. ex Schult. & Schult. f. var. *brachyphylla*] - Dorn01
- Festuca brachyphylla* Schult. ex Schult. & Schult. f. subsp. *coloradensis* Frederiksen - KTZ, Aiken95, E/W  
[*Festuca brachyphylla* Schult. subsp. *coloradensis* Frederiksen] - SF!, W&W  
[*Festuca brachyphylla* Schult. & Schult. f. subsp. *coloradensis* Frederiksen] - Dorn01  
[*Festuca ovina* L. var. *brachyphylla* (Schult.) Piper] - HDH  
[*Festuca ovina* L. var. *brevifolia* (R. Br.) S. Watson] - IMF, UTF
- Festuca calligera* (Piper) Rydb. - FNA  
[*Festuca ovina* L. subsp. *calligera* Piper]
- {*Festuca campestris* Rydb.} - KTZ, SFE, W&W, E  
{*Festuca scabrella* Torr.} - GPF  
{*Festuca scabrella* Torr. ex Hook.} - IMF
- Festuca dasyclada* Hack. ex Beal - IMF, KTZ, UTF; Aiken95, W  
[*Argillochloa dasyclada* (Hackel) W. A. Weber] - SFW, W&W  
[*Argillochloa dasyclada* (Hackel ex Beal) W. A. Weber] - RBS, W&W
- Festuca earlei* Rydb. - FNA, KTZ, Aiken95  
[*Festuca rubra* L.] - W&W<sup>1</sup>
- Festuca hallii* (Vasey) Piper - Dorn01, FNA, KTZ, SF!, W&W, Aiken95, E/W  
[*Festuca scabrella* Torr. ex Hook.] - IMF
- Festuca idahoensis* Elmer - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, W&W  
[*Festuca idahoensis* Elmer var. *idahoensis*] - Aiken95, E/W  
[*Festuca ovina* L. var. *ingrata* Hackel ex Beal] - UTF
- Festuca minutiflora* Rydb. - Dorn01, KTZ, SF!, W&W, Aiken95, E/W  
[*Festuca ovina* L. var. *brevifolia* (R. Br.) S. Watson] - IMF  
[*Festuca ovina* L. var. *ovina*] - HDH
- {*Festuca ovina* L. var. *ovina*} - HDH, IMF, UTF  
{NS - see discussion in FNA Vol. 24: 422; in brief, *F. ovina* is not found in our area.}  
{*Festuca ovina* L.} - KTZ <UT>, W&W
- ∴ *Festuca rubra* L. subsp. *rubra* - Dorn01, FNA, KTZ  
[*Festuca rubra* L. var. *rubra*] - FNA, HDH, IMF, E/W  
[*Festuca rubra* L.] - GPF, SF!, UTF, W&W
- {*Festuca rubra* L. var. *lanuginosa* Mert. & W. D. J. Koch} - HDH, IMF, W&W, err. rep.  
{*Festuca rubra* L. subsp. *arenaria* (Osbeck) Syme} - FNA  
{*Festuca rubra* L. subsp. *arenaria* (Osbeck) F. Aesch.} - KTZ
- Festuca saximontana* Rydb. var. *purpusiana* (Saint-Yves) Frederiksen & Pavlick - FNA, KTZ, Aiken95  
[*Festuca ovina* L. var. *brevifolia* (R. Br.) S. Watson] - IMF  
[*Festuca saximontana* Rydb. subsp. *purpusiana* (Saint-Yves) Frederiksen & Pavlick] - W&W<sup>1</sup>
- Festuca saximontana* Rydb. var. *saximontana* - FNA, KTZ, Aiken95, E/W  
[*Festuca ovina* L. var. *rydbergii* Saint-Yves] - GPF, IMF, UTF  
[*Festuca saximontana* Rydb.] - Dorn01, SF!, W&W
- {*Festuca scabrella* Torr.} - GPF, HDH, W&W, misid.  
{*Festuca altaica* Trin.} - KTZ  
{*Festuca scabrella* Torr. ex Hook.} - IMF

*Festuca sororia* Piper - FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Festuca subulata* Trin. - FNA, GPF, IMF, KTZ, SFW, UTF, W&W, err. rep., W&W<sup>1</sup>, W  
{*Festuca subverticillata* (Pers.) E. B. Alexeev - FNA}  
{NS - To be expected to enter WY and CO from adjacent Nebraska}  
*Festuca thurberi* Vasey - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, Aiken95, E/W  
*Festuca trachyphylla* (Hackel) Krajina - FNA, FCF  
[*Festuca brevipila* Tracey ] - KTZ  
[*Festuca cinerea* auct. non Vill.] - KTZ  
[*Festuca duriuscula* auct. non L.] - KTZ  
[*Festuca duriuscula* var. *cinerea* auct. non (Vill.) Krajina] - KTZ  
[*Festuca longifolia* auct. non Thuill.] - KTZ  
[*Festuca ovina* var. *duriuscula* auct. non (L.) W.D.J. Koch ] - KTZ  
[*Festuca ovina* auct. non L.] - KTZ

### Glyceria (see also **Torreyochloa**)

*Glyceria borealis* (Nash) Batch. - Dorn01, RBS, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Glyceria elata* (Nash ex Rydb.) M. E. Jones - Dorn01, RBS, W&W, E/W  
[*Glyceria elata* (Nash) M. E. Jones] - IMF, SF!  
[*Glyceria elata* (Nash) Hitchc.] - HDH  
[*Glyceria striata* (Lam.) Hitchc.] - KTZ, UTF  
*Glyceria grandis* S. Watson - Dorn01, RBS, HDH, IMF, SF!, UTF, W&W, E/W  
[*Glyceria grandis* S. Watson ex A. Gray] - GPF  
[*Glyceria grandis* S. Watson var. *grandis*] - KTZ  
*Glyceria striata* (Lam.) Hitchc.] - Dorn01, RBS, FNA, GPF, IMF, KTZ, SF!  
[*Glyceria striata* (Lam.) Hitchcock var. *stricta* (Scribn.) Fernald] - HDH, IMF, W&W, E/W

### *Grappophorum wolfii* (Vasey) Vasey ex Coult. - Finot05, RBS

[*Grappophorum muticum* (Bol.) A. Heller] - Finot05, RBS  
[*Trisetum subspicatum* P. Beauv. var. *muticum* Bol.] - Finot05, RBS  
[*Trisetum wolfii* Vasey] - Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

### Helictotrichon (see also **Avenula**)

*Helictotrichon mortonianum* (Scribn.) Henrard - Dorn01, FNA, HDH, KTZ, SF!, W&W, E/W  
[*Helictotrichon mortoniana* (Scribn.) Henrard] - UTF

### Hesperochloa (see **Leucopoa**)

### *Hesperostipa comata* (Trin. & Rupr.) Barkworth - SF!, W&W<sup>1</sup>

[*Hesperostipa comata* (Trin. & Rupr.) Barkworth subsp. *comata* - KTZ, RBS  
[*Hesperostipa comata* (Trin. & Rupr.) Barkworth subsp. *intermedia* (Scribn. & Tweedy) Barkworth]-KTZ, RBS  
[*Stipa comata* Trin. & Rupr.] - GPF, W&W  
[*Stipa comata* Trin. & Rupr. var. *comata*] - HDH, IMF, UTF, E/W  
[*Stipa comata* Trin. & Rupr. var. *intermedia* Scribn. & Tweedy - HDH, IMF, UTF, E/W

### *Hesperostipa neomexicana* (Thurb.) Barkworth - RBS, FNA, SF!, W&W<sup>1</sup>

[*Hesperostipa neomexicana* (Thurb. ex J. M. Coult.) Barkworth] - KTZ  
[*Stipa neomexicana* (Thurb. ex J. M. Coult.) Scribn.] - W&W, E/W  
[*Stipa neomexicana* (Thurb.) Scribn.] - GPF, HDH, IMF, UTF

### *Hesperostipa spartea* (Trin.) Barkworth - RBS, FNA, KTZ, SFE, W&W<sup>1</sup>

[*Stipa spartea* Trin.] - GPF, HDH, IMF, W&W  
[*Stipa spartea* Trin. var. *spartea*] - E

Hierochloë (see **Anthoxanthum**)

*Hilaria jamesii* (Torr.) Benth. - Dorn01, FNA, GPF, HDH, IMF, SF!, UTF, W&W, E/W  
[*Pleuraphis jamesii* Torr.] - KTZ, RBS

∴ *Holcus lanatus* L. - RBS, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

Hordeum

(Identification sources: \_\_\_\_\_)

*Hordeum brachyantherum* Nevski - Dorn01, GPF, HDH, IMF, UTF, E/W  
[*Critesion brachyantherum* (Nevski) Barkworth & D. R. Dewey] - RBS, W&W  
[*Critesion brachyantherum* (Nevski) W. A. Weber] - SF!  
[*Hordeum brachyantherum* Nevski subsp. *brachyantherum*] - KTZ  
[*Hordeum jubatum* L. subsp. *breviaristatum* Bowden] - KTZ

*Hordeum distichon* L. - Dorn01

*Hordeum jubatum* subsp. *jubatum* - RBS, FNA, KTZ  
[*Critesion jubatum* (L.) Nevski] - SF!, W&W  
[*Hordeum jubatum* L.] - IMF, UTF, E/W  
[*Hordeum jubatum* L. var. *jubatum*] - HDH  
[*Hordeum jubatum* L. subsp. *jubatum*] - KTZ

*Hordeum jubatum* L. subsp. *intermedium* Bowden - RBS, KTZ, FNA  
[*Critesion jubatum* (L.) Nevski] - W&W  
[*Hordeum brachyantherum* X *H. jubatum*] - IMF  
[*Hordeum* X *caespitosum* Scribn. ex Pammel] - Dorn01  
[*Hordeum* X *caespitosum* Scribn.] - UTF  
[*Hordeum caespitosum* Scribn.] - GPF  
[*Hordeum jubatum* L.] - IMF  
[*Hordeum jubatum* L. var. *caespitosum* (Scribn.) Hitchc.] - HDH  
[*Hordeum intermedium* Hausskn.] - FNA

∴ *Hordeum murinum* L. subsp. *glaucum* (Steud.) Tzvelev - RBS, FNA, KTZ, E/W  
[*Critesion glaucum* (Steud.) A. Löve] - SF!, W&W  
[*Hordeum glaucum* Steud.] - IMF  
[*Hordeum murinum* L.] - UTF

{*Hordeum murinum* L. subsp. *murinum*} - KTZ  
{*Hordeum murinum* L.} - IMF, UTF

*Hordeum pusillum* Nutt. - RBS, Dorn01, GPF, HDH, KTZ, UTF, E/W  
[*Critesion pusillum* (Nutt.) A. Löve] - SF!, W&W  
[*Hordeum pusillum* Nutt. var. *pusillum*] - IMF

∴ *Hordeum vulgare* L. - RBS, GPF, KTZ, SF!, UTF, E/W  
[*Hordeum distichon* L.] - IMF  
[*Hordeum vulgare* L. var. *vulgare*] - Dorn01, HDH, IMF, W&W  
[*Hordeum vulgare* L. var. *trifurcatum* (Schltdl.) Alef.] - Dorn01, HDH, IMF, W&W

Jarava (see **Pappostipa**)

*Koeleria macrantha* (Ledeb.) Schult. - RBS, Dorn01, KTZ, SF!, UTF, W&W, E/W  
[*Koeleria cristata* (L.) Pers.] - HDH  
[*Koeleria nitida* Nutt.] - IMF  
[*Koeleria pyramidata* (Lam.) P. Beauv.] - GPF

*ΔLeersia oryzoides* (L.) Sw. - Dorn01, RBS, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Leptochloa dubia* (Kunth) Nees - FNA, RBS, GPF, KTZ

[*Diplachne dubia* (Kunth) Scribn.] - SFE, W&W<sup>1</sup>

*Leptochloa fusca* (L.) Kunth subsp. *fascicularis* (Lam.) N. Snow - FNA, KTZ, Snow98, E/W

[*Diplachne fascicularis* (Lam.) A. Gray] - SFE

[*Diplachne fascicularis* (Lam.) P. Beauv.] - SFW, W&W<sup>1</sup>

[*Leptochloa fascicularis* (Lam.) A. Gray] - GPF, HDH, IMF, UTF, W&W

[*Leptochloa fusca* (L.) Kunth var. *fascicularis* (Lam.) Dorn] - Dorn01, RBS

{*Leptochloa fusca* (L.) Kunth subsp. *uninervia* (J. Presl) N. Snow} - KTZ; Snow98, FNA

{NS - no specimen exists at COLO. HDH personal notes evidently indicated the CO specimen was at US (T. Hogan, pers. comm. Nov 2003), which does not have a record from CO (P. Peterson, pers. comm. Nov 2003); however, may eventually be found in playas or edges of reservoirs in se CO or ne NM below 8,000 ft.}

{*Diplachne uninervia* (J. Presl) Parodi} - W&W<sup>1</sup>, err. rep.

{*Leptochloa uninervia* (J. Presl) Hitchc. & Chase} - HDH, IMF, UTF

{*Leptochloa uninervia* (J. Presl) Hitchc.} - W&W, doubtful rep.

*Leptochloa panicea* (Retz.) Owhi - FCF, Snow98

[NS - reported by FCF for Montrose County; voucher not seen, most likely subsp. *brachiata*]

*Leucopoa kingii* (S. Watson) W. A. Weber - RBS, Dorn01, GPF, IMF, KTZ, SF!, UTF, W&W, E/W

[*Festuca kingii* (S. Watson) Cassidy] - Aiken95

[*Hesperochloa kingii* (S. Watson) Rydb.] - HDH

*Leymus* (see **Elymus**)

*Lolium* (see also **Schedonorus**)

∴ *Lolium multiflorum* Lam. - RBS, Dorn01, HDH, IMF, E/W

[*Lolium perenne* L.] - SF!

[*Lolium perenne* L. subsp. *italicum* (A. Braun) Syme] - W&W

[*Lolium perenne* L. subsp. *multiflorum* (Lam.) Husnot] - KTZ

[*Lolium perenne* L. var. *aristatum* Willd.] - GPF, UTF

∴ *Lolium perenne* L. - RBS, Dorn01, HDH, IMF, SF!, E/W

[*Lolium perenne* L. subsp. *perenne*] - KTZ

[*Lolium perenne* L. var. *perenne*] - GPF, UTF

*Lycurus*

[NS - Paul Peterson {US} informs me (Aug. 2007) that this genus falls into *Muhlenbergia* based on ITS and chloroplast sequences {see also *Schedonnardus*}]

*Lycurus phleoides* Kunth - FNA, GPF, HDH, IMF, KTZ, RBS, UTF, W&W, rep., W&W<sup>1</sup>, rep.

*Lycurus setosus* (Nutt.) C. Reeder - FNA, RBS, KTZ, SF!, W&W<sup>1</sup>, E/W

[NS - this taxon will soon be transferred into as *Muhlenbergia alopecuroides* (Griseb.) P. M. Peterson & Columbus, see Madroño {in press}]

*Melica bulbosa* Geyer ex Porter & J. M. Coult. var. *bulbosa* - IMF, W

[*Bromelica bulbosa* (Geyer) W. A. Weber] - SFW, RBS

[*Bromelica bulbosa* (Geyer ex Porter & J. M. Coult.) W. A. Weber] - W&W

[*Melica bulbosa* Geyer] - GPF, HDH

[*Melica bulbosa* Geyer ex Porter & J. M. Coult.] - Dorn01, KTZ, UTF

*Melica nitens* (Scribn.) Nutt. ex Piper - FNA

*Melica porteri* Scribn. - RBS, GPF, HDH, SF!, UTF, W&W, E/W

[*Melica porteri* Scribn. var. *porteri*] - KTZ

*Melica spectabilis* Scribn. - Dorn01, HDH, IMF, KTZ, UTF, E/W

[*Bromelica spectabilis* (Scribn.) W. A. Weber] - SF!, RBS, W&W

*Melica subulata* (Griseb.) Scribn. var. *subulata* - KTZ, W

[*Bromelica subulata* (Griseb.) Farw.] - SFW, RBS, W&W<sup>1</sup>

[*Melica subulata* (Griseb.) Scribn.] - Dorn01, GPF

∴ *Miscanthus sinensis* Andersson - FNA, HDH, KTZ, W&W

Monroa (see **Munroa**)

Muhlenbergia

[NS - I recommend Peterson's treatment in FNA Vol. 25 for additional information]

(Identification sources: \_\_\_\_\_)

*Muhlenbergia andina* (Nutt.) Hitchc. - Dorn01, RBS, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Muhlenbergia arenacea* (Buckley) Hitchc. - FNA, RBS, HDH, KTZ, SFE, W&W, E

*Muhlenbergia arenicola* Buckley - GPF, RBS, HDH, KTZ, SFE, W&W, E

*Muhlenbergia arsenei* Hitchc. - FNA

*Muhlenbergia asperifolia* (Nees & Meyen ex Trin.) Parodi - Dorn01, RBS, FNA, KTZ, W&W, E/W

[*Muhlenbergia asperifolia* (Nees & Meyen) Parodi - GPF, HDH, IMF, SF!, UTF

*Muhlenbergia brevis* C. O. Goodding - FNA, RBS, HDH, KTZ, SFE, W&W, E

*Muhlenbergia cuspidata* (Torr. ex Hook.) Rydb. - Dorn01, RBS, FNA, KTZ, E

[*Muhlenbergia cuspidata* (Torr.) Rydb. - GPF, HDH, SFE, W&W

*Muhlenbergia depauperata* Scribn. - FNA, RBS, KTZ, SFW, UTF, W&W, W

*Muhlenbergia dubia* E. Fourn. - FNA

*Muhlenbergia emersleyi* Vasey - FNA

*Muhlenbergia filiculmis* Vasey - Dorn01, FNA, RBS, GPF, HDH, IMF, KTZ, UTF, W&W, E/W

*Muhlenbergia filiformis* (Thurb. ex S. Watson) Rydb. - Dorn01, RBS, FNA, KTZ, W&W, E/W

[*Muhlenbergia filiformis* (Thurb.) Rydb. - GPF, HDH, IMF, SF!, UTF

*Muhlenbergia glomerata* (Willd.) Trin. - Dorn01, RBS, FNA, GPF, KTZ, UTF, W&W

*Muhlenbergia longiligula* Hitchc. - FNA

*Muhlenbergia mexicana* (L.) Trin. - Dorn01, FNA, RBS, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E

*Muhlenbergia minutissima* (Steud.) Swallen - Dorn01, RBS, FNA, GPF, HDH, KTZ, SF!, W&W, E/W

*Muhlenbergia montana* (Nutt.) Hitchc. - Dorn01, RBS, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Muhlenbergia pauciflora* Buckley - FNA, RBS, HDH, IMF, KTZ, SFW, UTF, W&W, W

*Muhlenbergia porteri* Scribn. ex Beal - FNA, RBS, IMF, KTZ, UTF, E/W

[*Muhlenbergia porteri* Scribn.] - GPF, HDH, SF!, W&W

*Muhlenbergia pungens* Thurb. - Dorn01, RBS, GPF, HDH, IMF, KTZ, SF!, UTF, E/W



[*Muhlenbergia pungens* Thurb. ex A. Gray] - FNA, W&W  
*Muhlenbergia racemosa* (Michx.) Britton, Sterns, & Poggenb. - Dorn01, RBS, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Muhlenbergia ramulosa* (Kunth) Swallen - KTZ, RBS, W&W, misapp., E  
[*Muhlenbergia wolfii* (Vasey) Rydb.] - HDH, SFE, W&W  
*Muhlenbergia repens* (J. Presl) Hitchc. - FNA, KTZ, UTF  
*Muhlenbergia richardsonis* (Trin.) Rydb. - Dorn01, RBS, FNA, GPF, HDH, KTZ, SF!, W&W, E/W  
*Muhlenbergia rigens* (Benth.) Hitchc. - FNA  
*Muhlenbergia rigida* (Kunth) Trin. - FNA  
Δ *Muhlenbergia schreberi* J. F. Gmel. - FNA, RBS, GPF, HDH, KTZ, SFE, UTF, W&W, E  
*Muhlenbergia tenuiflora* (Willd.) Britton, Sterns & Poggenb. - FNA  
*Muhlenbergia texana* Buckley - FNA  
*Muhlenbergia thurberi* Rydb. - IMF, RBS, KTZ, SFW, UTF, W  
[*Muhlenbergia thurberi* (Scribn.) Rydb.] - FNA, W&W  
*Muhlenbergia torreyi* (Kunth) Hitchc. ex Bush - Dorn01, RBS, FNA, GPF, KTZ, W&W, E  
[*Muhlenbergia torreyi* (Kunth) Hitchc.] - HDH, SFE  
*Muhlenbergia wrightii* Vasey ex J. M. Coult. - FNA, RBS, IMF, KTZ, UTF, W&W, E/W  
[*Muhlenbergia wrightii* Vasey] - HDH, SF!

*Munroa squarrosa* (Nutt.) Torr. - Dorn01, RBS, FNA, GPF, HDH, IMF, UTF  
[*Monroa squarrosa* (Nutt.) Torr.] - KTZ, SF!, W&W, E/W

*Nassella tenuissima* (Trin.) Barkworth - RBS, FNA  
[*Stipa tenuissima* Trin.] - FNA  
*Nassella viridula* (Trin.) Barkworth - RBS, Dorn01, FNA, KTZ, SF!, W&W<sup>1</sup>  
[*Stipa viridula* Trin.] - GPF, HDH, UTF, W&W, E/W

### *Oryzopsis* (see also **Achnatherium**, **Pipatherum**)

[NS - the genus is polyphyletic; but best way to split still not evident]

*Oryzopsis asperifolia* Michx. - RBS, Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, W&W, E/W

### *Panicum* (see also **Dichanthelium**)

[NS - the genus is polyphyletic and is being split actively, primarily by Morone, Zuloaga, and colleagues working out of Argentina. I am withholding some of the generic splits pending more data]

(Identification sources: \_\_\_\_\_)

*Panicum antidotale* Retz. - FNA  
*Panicum capillare* L. - Dorn01, RBS, FNA, GPF, IMF, KTZ, SFE, UTF, W&W, E/W  
[*Panicum capillare* L. var. *capillare*] - HDH  
[*Panicum capillare* L. var. *occidentale* Rydb.] - HDH, SFW  
Δ *Panicum dichotomiflorum* Michx. var. *dichotomiflorum* - FNA, KTZ, E  
[*Panicum dichotomiflorum* Michx.] - GPF, RBS, HDH, IMF, SFE, UTF, W&W  
*Panicum hallii* Vasey var. *hallii* - FNA, GPF, KTZ, E  
[*Panicum hallii* Vasey] - RBS, HDH, IMF, SFE, UTF, W&W

*Panicum hillmanii* Chase - GPF, KTZ, SFE, W&W, E  
 ∴ *Panicum miliaceum* L. - Dorn01, RBS, FNA, GPF, HDH, IMF, SFE, UTF, W&W, E  
 [*Panicum miliaceum* L. subsp. *miliaceum*] - KTZ  
*Panicum obtusum* Kunth - FNA, RBS, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E  
 [NS - Zuloaga07 described the monotypic genus *Hopia* for this species, but until the boundaries of the wildly polyphyletic *Panicum* are more fully resolved [see their Fig. 2] the recognition of this genus is being withheld]  
 [*Hopia obtusa* (Kunth) Zuloaga & Morrone] - Zuloaga07  
*Panicum virgatum* L. - Dorn01, RBS, GPF, HDH, IMF, SF!, UTF, W&W, E/W  
 [*Panicum virgatum* L. var. *virgatum*] - KTZ

*Pappostipa speciosa* (Trin. & Rupr.) Romeschenko - Romeschenko08  
 [*Achnatherum speciosum* (Trin. & Rupr.) Barkworth] - KTZ, SFW, W&W<sup>1</sup>  
 [*Jarava speciosa* (Trin. & Rupr.) Peñail.] - RBS, FNA  
 [*Stipa speciosa* Trin. & Rupr.] - HDH, IMF, UTF, W&W, W

#### *Pascopyrum* (see **Elymus**)

∴ *Paspalum dilatatum* Poir. - RBS, GPF, HDH, KTZ, SFW, W&W, W  
 Δ *Paspalum pubiflorum* Rupr. ex E. Fourn. var. *glabrum* Vasey ex Scribn. - GPF, E  
 [*Paspalum pubiflorum* Rupr. ex E. Fourn.] - FNA, RBS, KTZ  
 [*Paspalum pubiflorum* Rupr. var. *glabrum* Vasey] - SFE  
 [*Paspalum pubiflorum* Rupr. ex E. Fourn. var. *glabrum* Vasey & Scribn.] - W&W  
 ∴ *Paspalum racemosum* Lam. - FNA, RBS, HDH, KTZ, W&W  
 Δ *Paspalum setaceum* Michx. - FNA, RBS, KTZ  
 [*Paspalum setaceum* Michx. var. *stramineum* (Nash) D. J. Banks] - GPF, SFE, W&W, E  
 [*Paspalum stramineum* Nash] - HDH

#### *Pennisetum* (see also **Setaria**)

∴ *Pennisetum alopecuroides* (L.) Spreng. - RBS  
 [*Panicum alopecuroides* L.]  
 ∴ *Pennisetum glaucum* (L.) R. Br. - FNA, KTZ  
 [*Setaria glauca* (L.) P. Beauv. - GPF, IMF, SF!, UTF, W&W, E/W  
 [*Setaria lutescens* (Weigel) F. T. Hubbard] - HDH  
 ∴ *Pennisetum setaceum* (Forsk.) Chiov. - RBS, HDH, IMF, KTZ, W&W  
 [NS - Not listed by FNA for our region]  
 ∴ *Pennisetum villosum* R. Br. ex Fresen. - KTZ  
 [*Pennisetum villosum* R. Br.] - HDH, W&W

*Phalaris arundinacea* L. var. *arundinacea* - HDH, E/W  
 [*Phalaris arundinacea* L.] - Dorno01, GPF, IMF, KTZ  
 [*Phalaris arundinacea* L. var. *picta* L.] - HDH  
 [*Phalaris arundinacea* L. forma *picta* (L.) Asch. & Graebn.] - IMF  
 [*Phalaris arundinacea* L. forma *variegata* (Parnell) Druce] - UTF  
 [*Phalaroides arundinacea* (L.) Rauschert] - RBS, SF!, W&W  
*Phalaris canariensis* L. - RBS, Dorn01, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E  
*Phalaris caroliniana* Walter - RBS, GPF, HDH, IMF, KTZ, SFE, W&W, E  
*Phalaris minor* Retz. - RBS, HDH, KTZ, SFE, W&W, E

#### *Phalaroides* (see **Phalaris**)

*Phippsia algida* (Phipps) R. Br. - RBS, Dorn01, HDH, KTZ, SF!, W&W, E/W

*Phleum alpinum* L. - RBS, Dorn01, GPF, HDH, IMF, KTZ, UTF, W&W<sup>1</sup>, misapp.

[*Phleum alpinum* L. var. *alpinum*] - E/W

[*Phleum commutatum* Gaudin] - SF!, W&W

*Phleum pratense* L. - RBS, Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W

[*Phleum pratense* L. var. *pratense*] - E/W

*Phragmites australis* (Cav.) Trin. ex Steud. - Dorn01, FNA, RBS, GPF, IMF, KTZ, UTF, W&W, E/W

[*Phragmites australis* (Cav.) Trin.] - SF!

[*Phragmites communis* Trin.] - HDH

*Piptatherum exiguum* (Thurb.) Barkworth - RBS, Dorn01, KTZ, FNA

[*Oryzopsis exigua* Thurb.] - GPF, HDH, IMF, SF!, UTF, W&W, E/W

*Piptatherum micranthum* (Trin. & Rupr.) Barkworth - RBS, Dorn01, FNA, KTZ, SF!, W&W<sup>1</sup>

[*Oryzopsis micrantha* (Trin. & Rupr.) Thurb.] - GPF, HDH, IMF, UTF, W&W, E/W

*Piptatherum pungens* (Torr.) Barkworth - RBS, Dorn01, FNA, KTZ

[*Oryzopsis pungens* (Torr.) Hitchc.] - GPF, HDH, SF!

[*Oryzopsis pungens* (Torr. ex Spreng.) Hitchc. - Hartman06, W&W, E/W

*Piptochaetium fimbriatum* (Kunth) Hitchc. - FNA

*Pleuraphis* (see **Hilaria**)

*Poa*

[NS - See Snow08a for a recent key to species from the SRMR]

(Identification sources: \_\_\_\_\_)

*Poa abbreviata* R. Br. subsp. *pattersonii* (Vasey) A. Löve, D. Löve, & B. M. Kapoor - FNA, KTZ, SF!, W&W

[*Poa abbreviata* R. Br.] - RBS

[*Poa pattersonii* Vasey] - Dorn01, HDH, IMF, UTF, E/W

*Poa alpina* L. - RBS, Dorn01, FNA, HDH, IMF, KTZSF!, UTF, W&W, E/W

*Poa annua* L. - RBS, Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

{*Poa arachnifera* Torr.}

{NS - approaches our area closely in southeast CO from southwest KS}

*Poa arctica* R. Br. subsp. *aperta* (Scribn. & Merr.) Soreng - FNA, KTZ, SFW, W&W<sup>1</sup>, E/W

[*Poa aperta* Scribn. & Merrill] - W&W

[*Poa arctica* R. Br.] - IMF

[*Poa arctica* R. Br. subsp. *aperta* (Vasey) Soreng] - SFE

*Poa arctica* R. Br. var. *arctica* - Dorn01, FNA, E

[*Poa arctica* R. Br.] - HDH, IMF, SFE, UTF, W&W

[*Poa arctica* R. Br. subsp. *arctica*] - KTZ

*Poa arctica* R. Br. var. *grayana* (Vasey) Dorn - Dorn01, FNA, E/W

[*Poa arctica* R. Br.] - HDH, IMF, UTF, W&W

[*Poa arctica* R. Br. subsp. *grayana* (Vasey) Löve] - SF!

[*Poa arctica* R. Br. subsp. *grayana* (Vasey) A. Löve, D. Löve, & B. M. Kapoor] - KTZ, SFE

*Poa arida* Vasey - RBS, Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 [Poa glaucifolia Scribn. & T. A. Williams] - GPF, HDH, IMF, SF!, W&W  
*Poa bigelovii* Vasey & Scribn. - RBS, FNA, HDH, IMF, KTZ, SFE, UTF, W&W, E  
 {*Poa bolanderi* Vasey - FNA}  
 {NS - to be expected in southwestern CO from UT}  
*Poa bulbosa* L. - RBS, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 [Poa bulbosa L. subsp. vivipara (Koel.) Arcang.] - FNA  
 ∴ *Poa compressa* L. - RBS, Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 {*Poa cusickii* Vasey var. *cusickii*} - E/W  
 {*Poa cusickii* Vasey} - GPF, HDH, IMF  
 {*Poa cusickii* Vasey subsp. *cusickii*} - FNA, KTZ, W&W, W&W<sup>1</sup>, err. rep.  
 {*Poa cusickii* Vasey subsp. *pallida* Soreng} - Dorn01, SF!, W&W, W&W<sup>1</sup>, putative hybrid of *Poa cusickii* X *P. fendleriana*  
 {*Poa fendleriana* (Steud.) Vasey} - UTF  
*Poa cusickii* Vasey var. *epilis* (Scribn.) C. L. Hitchc. - Dorn01, E/W  
 [Poa cusickii Vasey subsp. *epilis* (Scribn.) W. A. Weber] - RBS, FNA, KTZ, SF!, W&W  
 [Poa *epilis* Scribn.] - HDH, IMF  
 [Poa *fendleriana* (Steud.) Vasey] - UTF  
*Poa cusickii* Vasey var. *pallida* (Soreng) Dorn  
 [Poa cusickii Vasey subsp. *pallida* Soreng] - RBS, FNA, W&W<sup>3</sup>, W&E  
*Poa fendleriana* (Steud.) Vasey subsp. *fendleriana* - RBS, FNA, KTZ  
 [NS - synonymized under *P. cusickii* in previous checklist]  
 [Poa *fendleriana* (Steud.) Vasey] - Dorn01, GPF, HDH, IMF, UTF, W&W, E/W  
*Poa fendleriana* (Steud.) Vasey subsp. *longiligula* (Scribner & Williams) Soreng] - RBS, FNA, KTZ, SF!, W&W<sup>1</sup>  
 [Poa *longiligula* Scribn. & T. A. Williams] - HDH  
*Poa glauca* Vahl subsp. *glauca* - FNA, KTZ  
 [Poa *glauca* Vahl var. *glauca*] - UTF  
*Poa glauca* Vahl subsp. *rupicola* (Nash) W. A. Weber - FNA, SF!, W&W  
 [Poa *glauca* Vahl var. *rupicola* (Nash ex Rydb.) B. Boivin] - Dorn01, E/W  
 [Poa *glauca* Vahl subsp. *rupicola* (Nash ex Rydb.) W. A. Weber] - KTZ  
 [Poa *glauca* Vahl var. *rupicola* (Nash) J. Boivin] - UTF  
 [Poa *rupicola* Nash] - HDH, IMF  
 [Poa *rupicola* Nash ex Rydb.] - GPF  
*Poa interior* Rydb. - RBS, Dorn01, FNA, GPF, HDH, IMF, E/W  
 [Poa *glauca* Vahl var. *glauca*] - UTF  
 [Poa *nemoralis* L. subsp. *interior* (Rydb.) Butters & Abbe] - SF!  
 [Poa *nemoralis* L. subsp. *interior* (Rydb.) W. A. Weber] - KTZ, W&W  
*Poa laxa* Haenke subsp. *banffiana* Soreng - RBS, FNA, KTZ  
 [NS - location of a voucher uncertain]  
*Poa leptocoma* Trin. - RBS, Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Poa lettermanii* Vasey - RBS, Dorn01, FNA, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Poa X nematophylla* Rydb. - FNA, KTZ  
 [Poa *cusickii* Vasey] - IMF  
 [Poa *cusickii* Vasey subsp. *pallida* Soreng] - W&W<sup>1</sup>  
*Poa occidentalis* Vasey - RBS, FNA, HDH, IMF, KTZ, SFW, W&W, W  
*Poa palustris* L. - RBS, Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Poa pratensis* L. subsp. *alpigena* (Lindm.) Hiitonen - FNA  
*Poa pratensis* L. subsp. *agassizensis* (B. Boivin & D. Löve) Roy L. Taylor & MacBryde - FNA, RBS  
 ∴ *Poa pratensis* L. subsp. *pratensis* - FNA, KTZ, RBS

- [*Poa agassizensis* B. Boivin & D. Löve] - SF!, W&W  
*Poa reflexa* Vasey & Scribn. - RBS, Dorn01, FNA, HDH, IMF, SF!, UTF, W&W, E/W  
 [*Poa reflexa* Vasey & Scribn. ex Vasey] - KTZ  
*Poa secunda* J. Presl subsp. *juncifolia* (Scribn.) Soreng - RBS, FNA  
 [NS - consult Kellogg85 as well]  
 [*Poa juncifolia* Scribn.] - GPF, HDH, IMF, SF!, W&W  
 [*Poa juncifolia* Scribn. var. *ampla* (Merr.) Dorn] - RMC  
 [*Poa juncifolia* Scribn. var. *juncifolia*] - RMC  
 [*Poa nevadensis* Vasey] - HDH  
 [*Poa nevadensis* Vasey ex Scribn.] - IMF  
 [*Poa secunda* J. Presl subsp. *nevadensis*]  
*Poa secunda* J. Presl subsp. *secunda* J. Presl - RBS, FNA  
 [*Poa secunda* J. Presl var. *secunda*] - Dorn01  
 [*Poa secunda* J. Presl var. *elongata* (Vasey) Dorn] - RMC  
 [*Poa secunda* J. Presl var. *incurva* (Scribn. & T. A. Williams ex Scribn.) Beetle] - RMC  
*Poa stenantha* Trin. var. *stentantha* - FNA, RBS  
 [*Poa macroclada* Rydb.] - FNA, KTZ  
 [*Poa stenantha* Trin.] - KTZ  
*Poa tracyi* Vasey - RBS, FNA, KTZ, SF!, W&W, E/W  
 [*Poa occidentalis* Rydb., not Vasey] - HDH  
*Poa trivialis* L. - RBS, Dorn01, FNA, HDH, IMF, KTZ, SFE, UTF, W&W, E  
*Poa wheeleri* Vasey - RBS, Dorn01, FNA, KTZ, FNA  
 [*Poa nervosa* (Hook.) Vasey] - HDH, SF!, W&W  
 [*Poa nervosa* (Hook.) Vasey var. *wheeleri* (Vasey) C. L. Hitchc.] - IMF, UTF, E/W
- Podagrostis humilis* (Vasey) Björkman - RBS, FNA, SF!, W&W<sup>1</sup>  
 [*Agrostis humilis* Vasey] - Dorn01, HDH, IMF, KTZ, UTF, W&W, E/W  
 [*Agrostis thurberiana* Hitchc.] - HDH, IMF, UTF, W&W, E/W  
 [*Podagrostis thurberiana* (Hitchc.) Hultén] - SF!, W&W<sup>1</sup>
- Polypogon elongatus* Kunth - RBS, FNA, KTZ, W&W  
*Polypogon interruptus* Kunth - RBS, Dorn01, GPF, IMF, KTZ, SFE, UTF, W&W<sup>1</sup>, E  
*Polypogon monspeliensis* (L.) Desf. - RBS, Dorn01, GPF, HDH, IMF, KTZ, SF!, W&W, E/W  
*Polypogon viridis* (Gouan) Breistr. - RBS, KTZ, SF!, W&W, E/W  
 [*Agrostis semiverticillata* (Forskål) C. Christensen] - HDH, IMF  
 [*Polypogon semiverticillata* (Forskål) Hylander] - UTF
- Psathyrostachys (see **Elymus**)
- X Pseudelymus (see **Elymus**)
- Pseudoroegneria (see **Elymus**)
- ◆ *Ptilagrostis porteri* (Rydb.) W. A. Weber - **ENDEMIC** <CO> - RBS, FNA, SF!, W&W  
 [*Ptilagrostis mongholica* (Turcz. ex Trin.) Griseb. subsp. *porteri* (Rydb.) Barkworth] - KTZ, E/W  
 [*Stipa porteri* Rydb.] - HDH
- Puccinellia (see also **Torreyochloa**)  
 ∴ *Puccinellia distans* (L.) Parl. - RBS, Dorn01, GPF, HDH, IMF, UTF, W&W  
 [*Puccinellia distans* (Jacq.) Parl. subsp. *distans*] - KTZ  
*Puccinellia nuttalliana* (Schult.) Hitchc. - RBS, Dorn01, GPF, IMF, KTZ, UTF, E/W

[NS - Previous checklist split out *P. cusickii* as distinct species]  
[*Puccinellia airoides* S. Watson & J. M. Coult.] - W&W  
[*Puccinellia airoides* (Nutt.) S. Watson & J. M. Coult.] - HDH, SF!  
[*Puccinellia cusickii* Weath.] - Dorn01, GPF <WY>, W&W

*Redfieldia flexuosa* (Thurb.) Vasey - Dorn01, FNA, GPF, HDH, IMF, KTZ, SFE, UTF, E  
[NS - Dr. Paul Peterson {US} informs that this genus falls into *Muhlenbergia* based on ITS and chloroplast sequences]  
[*Redfieldia flexuosa* (Thurb. ex A. Gray) Vasey] - W&W, RBS

*Saccharum ravennae* (L.) L. - KTZ  
[*Erianthus ravennae* (L.) P. Beauv.] - GPF, HDH, IMF  
[*Saccharum ravennae* (L.) Murray] - UTF

*Schedonnardus paniculatus* (Nutt.) Trel. - RBS, Dorn01, FNA, RBS, GPF, HDH, KTZ, SF!, W&W, E/W  
[NS - Paul Peterson {US} indicates that this taxon falls into *Muhlenbergia* based on ITS and chloroplast sequences; no combination is yet available in that *Muhlenbergia*]

∴ *Schedonorus arundinaceus* (Schreb.) Dumort. - RBS, FNA  
[NS - This name was proposed for conservation by Soreng et al. (2001) in *Taxon* (50: 915-917), which was approved and incorporated into the Vienna Code]  
[*Festuca arundinacea* Schreb.] - Dorn01, GPF, IMF, SF!, UTF, W&W, E/W, Darbyshire93, Snow03  
[*Festuca elatior* L. var. *arundinacea* (Schreb.) Celak.] - HDH  
[*Lolium arundinaceum* (Schreb.) Darbysh.] - KTZ

∴ *Schedonorus pratensis* (Huds.) P. Beauv. - RBS, FNA  
[*Festuca pratensis* Huds. - Dorn01, GPF, IMF, SF!, UTF, W&W, E/W, Snow03  
[*Festuca elatior* L. var. *elatior*] - HDH  
[*Lolium pratense* (Huds.) Darbysh.] - KTZ

*Schizachne purpurascens* (Torr.) Swallen - RBS, Dorn01, GPF, HDH, KTZ, SF!, W&W, E/W

*Schizachyrium scoparium* (Michx.) Nash var. *scoparium* - FNA, IMF, KTZ, E/W  
[*Andropogon scoparius* Michx.] - HDH  
[*Andropogon scoparius* Michx. var. *neomexicanus* (Nash) Hitchc.] - GPF  
[*Schizachyrium scoparium* (Michx.) Nash] - Dorn01, RBS, SF!, UTF, W&W  
[*Schizachyrium scoparium* (Michx.) Nash var. *neomexicanum* (Nash) Gould] - IMF

*Sclerochloa dura* (L.) P. Beauv. - RBS, FNA, GPF, HDH, IMF, KTZ, SFW, UTF, W&W, W

*Scleropogon brevifolius* Phil. - FNA, RBS, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E

*Secale cereale* L. - RBS, Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

Seteria

[NS - *Setaria* is demonstrably polyphyletic and members in our region fall out in separate clades; Doust07 summarize these findings but do not yet suggest nomenclatural changes]

(Identification sources: \_\_\_\_\_)

∴ *Setaria adhaerans* (Forssk.) Chiov. - FNA  
*Setaria faberi* R.A.W. Herm. - FNA  
*Setaria grisebachii* E. Fourn. - FNA  
 ∴ *Setaria italica* (L.) P. Beauv. - RBS, Dorn01, RBS, FNA, GPF, HDH, KTZ, W&W  
*Setaria leucopila* (Scribn. & Merr.) K. Schum. - RBS, FNA, RBS, GPF, KTZ, SFE, W&W, E  
 [*Setaria macrostachya* Kunth] - HDH  
*Setaria pumila* (Poir.) Roem. & Schult. subsp. *pumila* - RBS, FNA  
*Setaria pumila* (Poir.) Roem. & Schult. subsp. *pallidefusca* (Schumacker) B. K. Simon -  
 FNA, KTZ  
 [*Setaria glauca* (L.) P. Beauv.] - Dorn01, W&W<sup>1</sup>?  
*Setaria verticillata* (L.) P. Beauv. var. *verticillata* - FNA, E/W  
 [*Setaria verticillata* (L.) P. Beauv.] - RBS, Dorn01, RBS, GPF, HDH, IMF, KTZ, SF!, UTF, W&W  
*Setaria viridis* (L.) P. Beauv. - RBS, Dorn01, RBS, FNA, GPF, HDH, IMF, SF!, W&W, E/W  
 [*Setaria viridis* (L.) P. Beauv. var. *viridis*] - KTZ  
*Setaria vulpiseta* (Lam.) Roem. & Schult. - KTZ

Sitanion (see **Elymus**).

*Sorghastrum nutans* (L.) Nash - Dorn01, RBS, FNA, GPF, HDH, IMF, KTZ, UTF, E/W  
 [*Sorghastrum avenaceum* (Michx.) Nash] - SF!, W&W

*Sorghum bicolor* (L.) Moench subsp. *bicolor* - GPF, KTZ  
 [*Sorghum bicolor* (L.) Moench] - FNA, RBS, IMF, UTF  
 [*Sorghum vulgare* Pers.] - HDH, W&W

*Sorghum halepense* (L.) Pers. - Dorn01, RBS, FNA, GPF, HDH, IMF, KTZ, SFE, W&W, E

*Spartina gracilis* Trin. - Dorn01, FNA, RBS, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Spartina pectinata* Link - Dorn01, FNA, RBS, GPF, HDH, IMF, SFE, UTF, W&W, E  
 [*Spartina pectinata* Bosc ex Link] - KTZ

*Sphenopholis obtusata* (Michx.) Scribn. var. *major* (Torr.) K. S. Erdm. - Dorn01, GPF, IMF,  
 E/W

[*Sphenopholis intermedia* (Rydb.) Rydb.] - FNA, HDH, KTZ  
 [*Sphenopholis obtusata* (Michx.) Scribn.] - SF!, UTF, W&W

*Sphenopholis obtusata* (Michx.) Scribn. var. *obtusata* - Dorn01, GPF, IMF, E/W  
 [*Sphenopholis obtusata* (Michx.) Scribn.] - HDH, KTZ, SF!, UTF, W&W

Sporobolus

(Identification sources: \_\_\_\_\_)

*Sporobolus airoides* (Torr.) Torr. - Dorn01, FNA, RBS, GPF, HDH, KTZ, SF!, W&W  
 [*Sporobolus airoides* (Torr.) Torr. var. *airoides*] - IMF, UTF, E/W

*Sporobolus compositus* (Poir.) Merr. var. *compositus* - FNA, KTZ, E  
 [*Sporobolus asper* (Michx.) Kunth] - HDH, IMF, SFE, UTF, W&W  
 [*Sporobolus asper* (Michx.) Kunth var. *asper*] - GPF  
 [*Sporobolus compositus* (Poir.) Merr.] - Dorn01, RBS

*Sporobolus contractus* Hitchc. - FNA, RBS, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Sporobolus cryptandrus* (Torr.) A.Gray - Dorn01, RBS, FNA, GPF, HDH, KTZ,

SF!, UTF, W&W, E/W

*Sporobolus flexuosus* (Thurb. ex Vasey) Rydb. - FNA, RBS, KTZ, W&W, W

[*Sporobolus flexuosus* (Thurb.) Rydb.] - GPF, IMF, SFW, UTF, W&W<sup>1</sup>

*Sporobolus giganteus* Nash - FNA, RBS, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Sporobolus heterolepis* (A. Gray) A. Gray - Dorn01, RBS, FNA, GPF, HDH, KTZ, SFE, W&W, E

*Sporobolus nealleyi* Vasey - FNA, RBS, HDH rep. misid., KTZ, SFE, W&W, misid., W&W<sup>1</sup>, E

*Sporobolus neglectus* Nash - FNA, RBS, GPF, HDH, KTZ, SFE, W&W, E

*Sporobolus pyramidatus* (Lam.) Hitchc. - FNA, RBS, GPF, HDH, W&W (mislabeled)

[*Sporobolus coromandelianus* (Retz.) Kunth] - KTZ

[*Sporobolus pulvinatus* Swallen] - IMF, UTF

*Sporobolus texanus* Vasey - RBS, GPF, HDH, KTZ, SFE, UTF, W&W, E

*Sporobolus wrightii* Munro ex Scribn. - FNA

*Stipa* (see also **Achnatherum**, **Nasella**, **Oryzopsis**, **Pappostipa**, **Piptatherum**, **Ptilagrostis**)

[NS - The generic boundaries used in FNA largely are supported by several molecular data sets, e.g.

Romaschenko08 and Barkworth08. Some aspects of the phylogeny of Stipeae are unresolved. *Stipa* s.s. is restricted to Eurasia. *Achnatherum*, *Jarava* and *Oryzopsis* {as circumscribed traditionally and here for now} are polyphyletic. Cialdella07 also summarize recent insights for *Piptochaetium* and portions of Stipeae. It now seems more appropriate to follow the treatment in FNA, understanding that more transfers will be forthcoming.]

X *Stiporyzopsis* (see **Achnatherum**)

*Thinopyrum* (see **Elymus**)

*Torreyochloa pallida* (Torr.) G. L. Church var. *pauciflora* (J. Presl) J. I. Davis - RBS, Dorn01, KTZ, E/W

[*Glyceria pauciflora* J. Presl] - HDH

[*Puccinellia pauciflora* (J. Presl) Munz] - IMF, UTF

[*Torreyochloa pallida* (Torr.) Church var. *fernaldii* (Hitchc.) Dore ex Koyama & Kawano] - Dorn01

[*Torreyochloa pauciflora* (J. Presl) G. L. Church] - SF!, W&W

*Trichachne* (see **Digitaria**)

*Tridens* (see also **Erioneuron**)

{*Tridens albescens* (Vasey) Wootton & Standl.} - FNA, GPF, HDH, KTZ, W&W, label:

"Colorado"; needs confirmation

{NS - FNA indicates adjacent county in KS}

{*Tridens muticus* (Torr.) Nash var. *muticus*} - HDH, misid., IMF, KTZ <AZ, NM, OK, UT>, UTF, W&W

*Tridens muticus* (Torr.) Nash var. *elongatus* (Buckley) Shinnery - GPF, KTZ, SFE, W&W, E

[*Tridens elongatus* (Buckley) Nash] - HDH

[*Tridens muticus* (Torr.) Nash] - FNA, RBS

{*Tridens strictus* (Nutt.) Nash} - FNA

{NS - present in adjacent county in OK fide FNA; probably in CO or NM}

*Triplasis purpurea* (Walter) Chapman - FNA, RBS, GPF, HDH, KTZ, SFE, W&W, E

*Trisetum*



(Identification sources: \_\_\_\_\_)

*Trisetum canescens* Buckley - RBS, Dorn01, FNA, KTZ

[*Trisetum cernuum* Trin.] - KTZ

[*Trisetum cernuum* spp. *canescens* (Buckl.) Calder & Taylor] - KTZ

[*Trisetum cernuum* var. *canescens* (Buckl.) Beal] - KTZ

[*Trisetum cernuum* var. *projectum* (Louis-Marie) Beetle] - KTZ

[*Trisetum spicatum* var. *projectum* (Louis-Marie) J. T. Howell] - KTZ

∴ *Trisetum flavescens* (L.) P. Beauv. - RBS, FNA, GPF, HDH

[*Avena flavescens* L.] - KTZ

*Trisetum interruptum* Buckley - RBS, FNA, GPF, HDH, KTZ, W&W

*Trisetum spicatum* (L.) K. Richt. - RBS, Dorn01, FNA, GPF, HDH, IMF, KTZ, UTF, E/W

[*Trisetum montanum* Vasey] - HDH, IMF, SFE, UTF, W&W<sup>1</sup>

[*Trisetum montanum* Vasey var. *shearii* Louis-Marie]

[*Trisetum spicatum* (L.) K. Richt. subsp. *alaskanum* (Nash) Hultén] - SF!, W&W<sup>1</sup>

[*Trisetum spicatum* (L.) K. Richt. subsp. *alaskanum* Hultén] - KTZ

[*Trisetum spicatum* (L.) K. Richt. subsp. *congdonii* (Scribn. & Merrill) Hultén] - SF!, W&W

[*Trisetum spicatum* (L.) K. Richt. subsp. *molle* (Michx.) Hultén] - W&W, W&W<sup>1</sup>, err. rep.

*Triticum aestivum* L. - RBS, Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

**Vahlodea** (see also **Deschampsia**)

*Vahlodea atropurpurea* (Wahlenb.) Fr. ex Hartman - RBS, FNA, KTZ

[*Deschampsia atropurpurea* (Wahlenb.) Scheele var. *latifolia* (Hook.) Scribn. ex Macoun] - E/W

[*Deschampsia atropurpurea* (Wahlenb.) Scheele] - HDH

[*Vahlodea atropurpurea* (Wahlenb.) Fr. subsp. *atropurpurea*] - W&W<sup>1</sup>, err. rep.

[*Vahlodea atropurpurea* (Wahlenb.) Fr. ex Hartman subsp. *latifolia* (Hook.) Porsild - W&W<sup>1</sup>

[*Vahlodea atropurpurea* (Wahlenb.) Fr. subsp. *paramushirensis* (Kudo) Hultén] - W&W, W&W<sup>1</sup>, err. rep.

*Vulpia myuros* (L.) C. C. Gmel. - FNA

*Vulpia octoflora* (Walter) Rydb. - RBS, Dorn01, SF!, W&W, E/W

[*Festuca octoflora* Walter] - GPF, UTF

[*Festuca octoflora* Walter var. *glauca* Fernald] - HDH

[*Festuca octoflora* Walter var. *hirtella* Piper] - HDH

[*Festuca octoflora* Walter var. *tenella* (Willd.) Fernald] - HDH

[*Vulpia octoflora* (Walter) Rydb. var. *glauca* (Nutt.) Fernald] - IMF, KTZ

[*Vulpia octoflora* (Walter) Rydb. var. *hirtella* (Piper) Henrard] - IMF, KTZ

[*Vulpia octoflora* (Walter) Rydb. var. *octoflora*] - IMF, KTZ

Δ *Zea mays* L. - HDH, RBS, IMF, UTF

[*Zea mays* L. subsp. *mays*] - KTZ

{*Zizania aquatica* L. var. *angustiflora* Hitch.} - HDH, planted, not persisted, W&W, planted, deceased

{*Zizania palustris* L. var. *palustris*} - KTZ

## **Polemoniaceae - PLM**

[NS - See Porter98, Porter00, and Grant04, whose taxonomies differ considerably]

Aliciella

(Identification sources: \_\_\_\_\_)

*Aliciella haydenii* (A. Gray) J. M. Porter subsp. *crandallii* (Rydb.) J. M. Porter - W&W<sup>1</sup>, W, Porter98, 00

[*Gilia haydenii* A. Gray] - HDH, IMF, KTZ, SFW, W&W

*Aliciella haydenii* (A. Gray) J. M. Porter subsp. *haydenii* - Porter98, 00, W

[*Aliciella haydenii* (A. Gray) J. M. Porter] - W&W<sup>1</sup>

[*Gilia haydenii* A. Gray] - HDH, IMF, KTZ, SFW, UTF, W&W

[*Gilia montezumiae* Tidestr. & Dayton] - HDH

*Aliciella leptomeria* (A. Gray) J. M. Porter - Dorn01, W&W<sup>1</sup>, Porter98, 00

[*Gilia leptomeria* A. Gray] - HDH, KTZ, W&W

[*Gilia leptomeria* A. Gray var. *leptomeria*] - IMF, UTF

*Aliciella mcvickeriae* (M. E. Jones) J. M. Porter - Dorn01

*Aliciella micromeria* (A. Gray) J. M. Porter - W&W<sup>1</sup>; Porter98, 00, W

[*Gilia leptomeria* A. Gray var. *micromeria* (A. Gray) Cronquist] - IMF, UTF

[*Gilia micromeria* A. Gray] - KTZ, SFW, W&W

◆ *Aliciella penstemonoides* (M. E. Jones) J. M. Porter - **ENDEMIC** <CO>, W&W<sup>1</sup>; Porter98, Porter00, W

[*Gilia penstemonoides* M. E. Jones] - KTZ, SFW, W&W

[*Gilia sedifolia* Brandegees] - W&W

*Aliciella pinnatifida* (A. Gray) J. M. Porter - Dorn01, Porter00, E/W

[*Aliciella pinnatifida* (Nutt. ex A. Gray) J. M. Porter] - W&W<sup>1</sup>; Porter98

[*Gilia calcarea* M. E. Jones] - HDH

[*Gilia pinnatifida* Nutt.] - SF!, UTF, W&W

[*Gilia pinnatifida* Nutt. ex A. Gray] - GPF, IMF, KTZ

◆ *Aliciella sedifolia* (Brandegee) J. M. Porter - **ENDEMIC** <CO>, W&W<sup>1</sup>; Porter98, 00, W

[*Gilia sedifolia* Brandegees] - KTZ, SFW

*Aliciella stenothyrsa* (A. Gray) J. M. Porter - W&W<sup>1</sup>; Porter98, 00, W

[*Gilia stenothyrsa* A. Gray] - IMF, KTZ, UTF, W&W

[*Gilia stenothyrsa* M. E. Jones] - SFW

*Aliciella subacaulis* (Rydb.) J. M. Porter & L. A. Johnson - Porter00

[*Aliciella leptomeria* (A. Gray) J. M. Porter] - W&W<sup>1</sup>

[*Gilia inconspicua* (Sm.) Dougl.] - W&W

[*Gilia leptomeria* A. Gray var. *leptomeria*] - IMF

[*Gilia subacaulis* Rydb.] - KTZ, UTF

*Aliciella subnuda* (A. Gray) J. M. Porter - Porter00, Smith09?

[*Aliciella subnuda* (Torr. ex A. Gray) J. M. Porter] - W&W<sup>1</sup>; Porter98 <AZ, NM, UT>

[*Gilia subnuda* Torr.] - W&W

[*Gilia subnuda* Torr. ex A. Gray] - IMF, KTZ, UTF

*Aliciella triodon* (Eastw.) Brand - W&W<sup>1</sup>; Porter98, 00, W

[*Gilia leptomeria* A. Gray var. *leptomeria*] - IMF, UTF

[*Gilia triodon* Eastw.] - KTZ, SFW, W&W

*Collomia grandiflora* Douglas ex Lindl. -HDH, IMF, KTZ, UTF, W&W, Porter00, W

[*Collomia grandiflora* Douglas] - SFW

*Collomia linearis* Nutt. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, Porter00, E/W

*Eriastrum wilcoxii* (A. Nels.) Nason - Dorn01, KTZ

[*Eriastrum sparsiflorum* var. *wilcoxii* (A. Nels.) Cronq.] - KTZ

*Eriastrum diffusum* (A. Gray) H. Mason - IMF, KTZ, SFW, UTF, W&W, Porter00, W

## Gilia

(Identification sources: \_\_\_\_\_)

Gilia (see also **Aliciella**, **Ipomopsis**, **Giliastrum**, **Lathrocasis**, **Navarretia**)

*Gilia clokeyi* H. Mason - KTZ, W&W, Porter00, W

[*Gilia clokeyi* Rydb.] - SFW

[*Gilia inconspicua* (Sm.) Sweet var. *inconspicua*] - IMF, UTF

*Gilia inconspicua* (Sm.) Sweet - KTZ, Porter00

[*Gilia inconspicua* (Sm.) Dougl.] - W&W

[*Gilia inconspicua* (Sm.) Sweet var. *inconspicua*] - IMF, UTF

*Gilia ophthalmoides* Brand - Dorn01, KTZ, SF!, W&W, Porter00, E/W

[*Gilia inconspicua* (Sm.) Sweet var. *inconspicua*] - IMF, UTF

*Gilia sinuata* Douglas ex Benth. - HDH, KTZ, W&W, Porter00, W

[*Gilia inconspicua* (Sm.) Sweet var. *sinuata* (Dougl.) A. Gray] - IMF, UTF

[*Gilia sinuata* Douglas] - SFW

*Gilia tweedyi* Rydb. - Dorn01, KTZ, SFW, W&W, Porter00, W

[*Gilia inconspicua* (Sm.) Sweet var. *tweedyi* (Rydb.) Cronq.] - IMF

*Giliastrum acerosum* (A. Gray) Rydb. - Porter00, E

[*Gilia acerosa* (A. Gray) Britton] - HDH

[*Gilia rigidula* Benth] - GPF

[*Gilia rigidula* Benth. subsp. *acerosa* (A. Gray) Wherry] - KTZ

[*Giliastrum rigidulum* (Benth.) Rydb. subsp. *acerosum* (A. Gray) W. A. Weber] - SFE, W&W

*Gymnosteris parvula* (Rydb.) A. Heller - Dorn01, HDH, SWF, UTF; Porter00, E/W

[*Gymnosteris parvula* A. Heller] - Dorn01, IMF, KTZ, SFE, W&W

## Ipomopsis

(Identification sources: \_\_\_\_\_)

*Ipomopsis aggregata* (Pursh) V. E. Grant subsp. *aggregata* - KTZ, SFW, W&W, Porter00, W

[*Gilia aggregata* (Pursh) Spreng. subsp. *aggregata*] - HDH

[*Gilia aggregata* (Pursh) Spreng. var. *aggregata*] - IMF, UTF

[*Ipomopsis aggregata* (Pursh) V. E. Grant var. *aggregata*] - Dorn01

*Ipomopsis aggregata* (Pursh) V. E. Grant subsp. *attenuata* (A. Gray) V. E. Grant & A. D. Grant  
- KTZ, SF!, W&W, Porter00, E/W

[*Gilia aggregata* (Pursh) Spreng. var. *attenuata* A. Gray] - IMF

[*Gilia attenuata* (A. Gray) A. Nels.] - HDH

[*Ipomopsis aggregata* (Pursh) V. E. Grant var. *attenuata* (A. Gray) Dorn] - Dorn01

*Ipomopsis aggregata* (Pursh) V. E. Grant subsp. *candida* (Rydb.) V. E. Grant & A. D. Grant  
- KTZ, SFE, W&W, Porter00, E

[*Gilia aggregata* (Pursh) Spreng. var. *candida* (Rydb.) Cronq.] - IMF

[*Gilia candida* Rydb. subsp. *candida*] - HDH

[*Gilia candida* Rydb. subsp. *vera* Wherry] - HDH

*Ipomopsis aggregata* (Pursh) V. E. Grant subsp. *collina* (Greene) Wilken & Allard - KTZ, SFE,  
W&W, Porter00, E

- [*Gilia aggregata* (Pursh) Spreng., intermediate between var. *candida* (Rydb.) Cronq. and var. *maculata* M. E. Jones] - IMF
- [*Gilia candida* Rydb. subsp. *collina* (Greene) Wherry] - HDH
- Ipomopsis aggregata* (Pursh) V. E. Grant subsp. *formosissima* (Greene) Wherry - KTZ, SFW, W&W, Porter00, W
- [WJ - taxon is same as subsp. *aggregata* with stamens slightly exserted]
- [*Gilia aggregata* (Pursh) Spreng. subsp. *formosissima* (Greene) Wherry] - HDH
- [*Gilia aggregata* (Pursh) Spreng. var. *maculata* M. E. Jones] - IMF
- [*Gilia texana* (Greene) Wooton & Standl.] - HDH
- [*Ipomopsis aggregata* (Pursh) V. E. Grant var. *maculata* (M. E. Jones) S. Welsh] - UT3
- Ipomopsis aggregata* (Pursh) V. E. Grant var. *tenuituba* (Rydb.) Dorn - Dorn01
- Ipomopsis aggregata* (Pursh) V. E. Grant subsp. *weberi* V. E. Grant & Wilken - KTZ, SF!, W&W, Porter00, E/W
- [WJ - not separable from subsp. *attenuata*]
- [*Ipomopsis aggregata* (Pursh) V. E. Grant var. *weberi* (V. E. Grant & Wilken) Dorn] - Dorn01
- {*Ipomopsis arizonica* (Greene) Wherry} - KTZ <AZ, UT>, W&W, err. rep., Porter00
- {*Gilia aggregata* (Pursh) Spreng. var. *arizonica* (Greene) Fosberg} - IMF, UTF
- {*Gilia arizonica* (Greene) Rydb.} - HDH, exp.
- {*Ipomopsis aggregata* (Pursh) V. E. Grant subsp. *arizonica* (Greene) V. E. Grant & A. E. Grant} - W&W<sup>1</sup>, err. rep.
- Ipomopsis congesta* (Hook.) V. E. Grant subsp. *congesta* - GPF, KTZ, W&W, Porter00, E/W
- [*Gilia congesta* Hook. var. *congesta*] - HDH, IMF, UTF
- [*Ipomopsis congesta* (Hook.) V. E. Grant var. *congesta*] - Dorn01, SF!
- Ipomopsis congesta* (Hook.) V. E. Grant subsp. *frutescens* (Rydb.) A. G. Day - KTZ, SF!, W&W, Porter00, E/W
- [*Gilia congesta* Hook. var. *burleyana* (A. Nelson) Constance & Rollins] - HDH
- [*Gilia congesta* Hook. var. *frutescens* (Rydb.) Cronq.] - IMF, UTF
- [*Ipomopsis congesta* (Hook.) V. E. Grant var. *frutescens* (Rydb.) S. Welsh] - UT3
- Ipomopsis crebrifolia* (Nutt.) Dorn - Dorn01
- [*Gilia congesta* Hook. var. *crebrifolia* (Nutt.) A. Gray] - IMF, UTF
- [*Ipomopsis congesta* (Hook.) V. E. Grant subsp. *crebrifolia* (Nutt.) A. G. Day] - KTZ, W&W, Porter00
- [*Ipomopsis congesta* (Hook.) V. E. Grant subsp. *crebrifolia* (Rydb.) A. G. Day] - W&W<sup>1</sup>
- [*Ipomopsis congesta* (Hook.) V. E. Grant var. *crebrifolia* (Nutt.) S. Welsh] - UT3
- Ipomopsis gunnisonii* (Torr. & A. Gray) V. E. Grant - KTZ, SFW, W&W, Porter00, W
- [*Gilia gunnisonii* Torr. & A. Gray] - HDH, IMF, UTF
- Ipomopsis laxiflora* (J. M. Coult.) V. E. Grant - GPF, KTZ, SFE, W&W, Porter00, E
- [*Gilia laxiflora* (J. M. Coult.) Osterh.] - HDH
- Ipomopsis longiflora* (Torr.) V. E. Grant subsp. *longiflora* - KTZ, Porter00, E/W
- [*Gilia longiflora* (Torr.) G. Don] - HDH, IMF, UTF
- [*Ipomopsis longiflora* (Torr.) V. E. Grant] - Dorn01, SF!, W&W<sup>1</sup>
- Ipomopsis multiflora* (Nutt.) V. E. Grant - KTZ, SFE, W&W, Porter00, E
- Ipomopsis polyantha* (Rydb.) V. E. Grant - KTZ, SFW, W&W, Porter00, W
- [*Gilia polyantha* Rydb.] - HDH, IMF, UTF
- [*Gilia polyantha* Rydb. var. *polyantha*] - IMF
- Ipomopsis polycladon* (Torr.) V. E. Grant - Dorn01, KTZ, SFW, Porter00, W
- [*Gilia polycladon* Torr.] - HDH
- [*Ipomopsis polycladon* Torr.] - W&W
- Ipomopsis pumila* (Nutt.) V. E. Grant - Dorn01, GPF, KTZ, SF!, W&W, Porter00, E/W
- [*Gilia pumila* Nutt.] - HDH, IMF, UTF
- Ipomopsis roseata* (Rydb.) V. E. Grant - KTZ, SFW, W&W, Porter00, W
- [*Gilia roseata* Rydb.] - HDH, IMF, UTF
- ◆ *Ipomopsis spicata* (Nutt.) V. E. Grant subsp. *capitata* (A. Gray) V. E. Grant - **ENDEMIC**

<CO>, KTZ, Porter00, E/W

[*Gilia spicata* Nutt. var. *capitata* A. Gray] - HDH, IMF

[*Ipomopsis globularis* (Brand) W. A. Weber] - KTZ, SF!, WJ, W&W

*Ipomopsis spicata* (Nutt.) V. E. Grant subsp. *spicata* - Dorn01, KTZ, PL, Porter00, E/W

[*Gilia spicata* Nutt. var. *spicata*] - HDH, IMF, UTF

[*Ipomopsis spicata* (Nutt.) V. E. Grant] - GPF, SF!, W&W

[*Ipomopsis spicata* (Nutt.) V. E. Grant var. *spicata*] - RMC

*Ipomopsis tenuituba* (Rydb.) V. E. Grant subsp. *tenuituba* - KTZ, Porter00, W

[*Gilia tenuituba* Rydb.] - HDH

[*Ipomopsis tenuituba* (Rydb.) V. E. Grant] - SFW, W&W

[*Ipomopsis tenuituba* (Rydb.) V. E. Grant var. *tenuituba*] - RMC

*Lathrocasis tenerrima* (A. Gray) L. A. Johnson - Dorn01

[*Gilia tenerrima* A. Gray] - KTZ

*Leptodactylon* (see **Linanthus**)

{*Leptosiphon floribundus* (A. Gray) J. M. Porter & L. A. Johnson subsp. *floribundus*} -  
Porter00

{*Linanthus floribundus* (A. Gray) Greene ex Milliken subsp. *floribundus*} - KTZ <AZ, NM>

{*Linanthastrum floribundum* (A. Gray) Wherry} - HDH, W&W, misapp.

{*Linanthastrum nuttallii* (A. Gray) Ewan subsp. *floribundum* (A. Gray) Ewan} - IMF

*Leptosiphon nuttallii* (A. Gray) J. M. Porter & L. A. Johnson subsp. *nuttallii* - Porter00, E/W

[*Leptosiphon nuttallii* (A. Gray) J. M. Porter & L. A. Johnson]

[*Linanthus nuttallii* (A. Gray) Greene ex Milliken subsp. *nuttallii*] - KTZ

[*Linanthastrum nuttallii* (A. Gray) Ewan] - HDH, SF!, UTF, W&W

[*Linanthastrum nuttallii* (A. Gray) Ewan var. *nuttallii*] - IMF

*Leptosiphon septentrionalis* (H. Mason) J. M. Porter & L. A. Johnson - Dorn01, Porter00, E/W

[*Linanthus harknessii* (Curran) Greene var. *septentrionalis* (H. Mason) Jeps. & V. L. Bailey] - HDH, SFE,  
W&W

[*Linanthus harknessii* (Curran) Greene var. *septentrionalis* (Jepson) V. L. Bailey] - SFW

[*Linanthus septentrionalis* H. Mason] - GPF, IMF, KTZ, UTF

*Linanthastrum* (see **Leptosiphon**)

*Linanthus* (see also **Leptosiphon**)

*Linanthus cespitosus* (Nutt.) J. M. Porter & L. A. Johnson - Dorn01, Porter00, E/W

[*Leptodactylon caespitosum* Nutt.] - GPF, HDH, IMF, KTZ, SF!, UTF, W&W

*Linanthus pungens* (Torr.) J. M. Porter & L. A. Johnson - Dorn01, Porter00, E/W

[*Leptodactylon pungens* (Torr.) Nutt.] - GPF, SF!, UTF

[*Leptodactylon pungens* (Torr.) Rydb.] - W&W

[*Leptodactylon pungens* (Torr.) Torr. ex Nutt.] - KTZ

[*Leptodactylon pungens* (Torr.) Rydb. subsp. *brevifolium* (Rydb.) Wherry] - HDH

[*Leptodactylon pungens* (Torr.) Rydb. subsp. *pungens*] - HDH

[*Leptodactylon pungens* (Torr.) Nutt. var. *pungens*] - IMF

*Linanthus watsonii* (A. Gray) Wherry - Dorn01, Porter00, W

[*Leptodactylon watsonii* (A. Gray) Rydb.] - HDH, IMF, KTZ, SFW, UTF, W&W

*Microsteris gracilis* (Hook.) Greene var. *gracilis* - Dorn01

[*Gilia gracilis* Hook.] - KTZ

[*Phlox gracilis* (Hook.) Greene subsp. *gracilis*] - KTZ

*Microsteris gracilis* (Dougl. ex Hook.) Greene subsp. *humilior* (Greene) H. Mason - Porter00,

E/W

- [*Microsteris gracilis* (Hook.) Greene] - SF!, GPF
- [*Microsteris gracilis* (Hook.) Greene var. *humilior* (Hook.) Cronquist] - Dorn01, IMF, UTF
- [*Microsteris gracilis* (Dougl. ex Hook.) Greene subsp. *humilis* (Greene) V. Grant] - W&W
- [*Microsteris gracilis* (Hook.) Greene var. *humilis* (Hook.) Cronquist] - KTZ
- [*Microsteris humilis* (Douglas) Greene] - HDH
- [*Phlox gracilis* (Hook.) Greene subsp. *humilis* (Greene) H. Mason] - KTZ

- Navarretia breweri* (A. Gray) Greene - Dorn01, HDH, IMF, KTZ, SFW, W&W, Porter00, W
- Navarretia intertexta* (Benth.) Hook. subsp. *propinqua* (Suksd.) A. G. Day - KTZ, Porter00, E/W
  - [*Navarretia intertexta* (Benth.) Hook.] - UTF
  - [*Navarretia leucocephala* Benth. subsp. *minima* (Nutt.) A. G. Day] - KTZ
  - [*Navarretia intertexta* (Benth.) Hook. var. *propinqua* (Suksd.) Brand] - Dorn01, GPF, IMF
  - [*Navarretia minima* Nutt.] - GPF, HDH, SF!, W&W
- Navarettia saximontana* Stanley C. Spencer - Spencer03
  - [NS - L. Johnson {BRY, pers. comm. 2007} indicates that genetically this is likely 3 distinct taxa]
- Navarretia sinistra* (M. E. Jones) L. A. Johnson subsp. *sinistra* - Porter00, E/W
  - [*Gilia capillaris* Kellogg] - IMF
  - [*Gilia sinistra* M. E. Jones] - SF!, W&W
  - [*Gilia sinistra* M. E. Jones subsp. *sinistra*] - KTZ

*Phlox* (see also **Microsteris**)

(Identification sources: \_\_\_\_\_)

- Phlox alyssifolia* Greene - Dorn01
  - [*Phlox alyssifolia* Greene subsp. *alyssifolia*] - KTZ
  - [*Phlox alyssifolia* subsp. *vera* Wherry] - KTZ
- Phlox andicola* E. E. Nelson subsp. *andicola* - KTZ, Porter00, E
  - [*Phlox andicola* E. E. Nelson] - Dorn01
  - [*Phlox andicola* Nutt.] - SFE
  - [*Phlox andicola* Nutt. ex A. Gray] - GPF
  - [*Phlox andicola* (Nutt. ex Torr. & A. Gray) E. E. Nelson] - W&W
  - [*Phlox andicola* (Britton) E. E. Nelson subsp. *andicola*] - HDH
  - [*Phlox andicola* (Britton) E. E. Nelson subsp. *planitiarum* (A. Nelson) Wherry] - HDH
- Phlox austromontana* Coville subsp. *austromontana* - KTZ, Porter00, E/W
  - [*Phlox austromontana* Coville] - IMF, SF!, W&W
  - [*Phlox austromontana* Coville subsp. *vera* Wherry] - HDH
  - [*Phlox austromontana* Coville var. *austromontana*] - UTF
- Phlox austromontana* Coville subsp. *densa* (Brand) Wherry - KTZ, Porter00
  - [*Phlox austromontana* Coville] - IMF, W&W
  - [*Phlox austromontana* Coville var. *austromontana*] - UTF
- {*Phlox caespitosa* Nutt.} - Porter00
  - {*Phlox caespitosa* Nutt.} - IMF, KTZ, W&W, misapp.
  - {*Phlox caespitosa* Nutt. subsp. *caespitosa*} - HDH
- Phlox caryophylla* Wherry - HDH, KTZ, SFW, W&W, Porter00, W
- Phlox condensata* (A. Gray) E. E. Nelson - IMF, KTZ, SF!, W&W, Porter00, E/W
  - [WJ - *P. pulvinata* is a subalpine ecotype of *P. condensata*]
  - [*Phlox caespitosa* Nutt. subsp. *condensata* (A. Gray) Wherry] - HDH
- {*Phlox diffusa* Benth. subsp. *diffusa*} - HDH, W&W, misid., Porter00
  - {*Phlox diffusa* Benth.} - W&W<sup>1</sup>
  - {*Phlox diffusa* Benth. subsp. *diffusa*} - KTZ

- {Phlox diffusa Benth. var. diffusa} - IMF  
 {Phlox diffusa Benth. subsp. longistylis Wherry} - KTZ  
 {Phlox diffusa Benth. var. longistylis (Wherry) M. E. Peck} - IMF  
 {Phlox diffusa Benth. subsp. subcarinata Wherry} - KTZ, Porter00  
 {WJ - not in Colorado, a taxon from the northwest}  
 {Phlox austromontana Coville} - IMF
- Phlox hoodii Richardson - Dorn01, GPF, W&W, E/W  
 [Phlox hoodii Richardson subsp. canescens (Torr. & A. Gray) Wherry] - HDH, KTZ, SF!, Porter00  
 [Phlox hoodii Richardson subsp. glabrata (E. E. Nelson) Wherry] - HDH, KTZ, Porter00  
 [Phlox hoodii Richardson subsp. hoodii] - HDH, KTZ, Porter00  
 [Phlox hoodii Richardson var. hoodii] - IMF  
 [Phlox hoodii Richardson var. canescens (Torr. & A. Gray) M. E. Peck] - IMF, UTF
- Phlox kelseyi Britton - Dorn01, IMF, E  
 {WJ - W&W have identified specimens of this taxon as P. pulvinata}  
 {Phlox kelseyi Britton subsp. kelseyi} - KTZ <WY> Porter00  
 {Phlox kelseyi Britton subsp. salina (M. E. Jones) Wherry} - KTZ, SFE, W&W misid.
- Phlox longifolia Nutt. subsp. longifolia - HDH, KTZ, Porter00, E/W  
 [Phlox longifolia Nutt.] - Dorn01, SF!, UTF, W&W  
 [Phlox longifolia Nutt. subsp. calva Wherry] - HDH  
 [Phlox longifolia Nutt. subsp. cortezana (A. Nelson) Wherry] - HDH  
 [Phlox longifolia Nutt. subsp. humilis (Douglas) Wherry] - HDH  
 [Phlox longifolia Nutt. var. longifolia] - IMF
- Phlox multiflora A. Nelson - Dorn01, IMF, SF!, UTF, W&W, E/W  
 [Phlox multiflora A. Nelson subsp. costata (Rydb.) Wherry] - HDH  
 [Phlox multiflora A. Nelson subsp. depressa (E. E. Nelson) Wherry] - HDH, KTZ, Porter00  
 [Phlox multiflora A. Nelson subsp. multiflora] - HDH, KTZ, Porter00  
 [Phlox multiflora A. Nelson subsp. patula (A. Nelson) Wherry] - KTZ, Porter00  
 [Phlox patula A. Nelson] - HDH
- Phlox muscoides Nutt. - Dorn01, IMF, SF!, UTF, W&W<sup>1</sup>, Porter00, E/W  
 [Phlox bryoides Nutt] - GPF, HDH, W&W  
 [Phlox hoodii Richardson subsp. muscoides (Nutt.) Wherry] - HDH, KTZ
- Phlox nana Nutt. - KTZ
- Phlox opalensis Dorn - Dorn01, KTZ
- Phlox pulvinata (Wherry) Cronquist - Dorn01, IMF, KTZ, UTF, Porter00, E/W  
 [WJ - P. pulvinata is a subalpine ecotype of P. condensata]  
 [Phlox caespitosa Nutt. subsp. pulvinata Wherry] - HDH  
 [Phlox sibirica L. subsp. pulvinata (Wherry) W. A. Weber] - SF!, W&W
- {Phlox stansburyi (Torr.) A. Heller subsp. stansburyi} - HDH, KTZ<AZ,NM,UT>, Porter00  
 {Phlox longifolia Nutt.} - UTF  
 {Phlox longifolia Nutt. var. stansburyi (Torr.) A. Gray} - IMF  
 {Phlox stansburyi (Torr.) A. Heller} - W&W, misapp.
- Phlox “sp. nov.” - B. Legler, pers. comm. 2008  
 [NS - evidently local endemic from northern NM]
- Phlox variabilis Brand subsp. variabilis - KTZ, Porter00  
 [WJ - likely synonymous with P. condensata or P. pulvinata. If P. pulvinata, then P. variabilis has priority]  
 [Phlox sibirica L. subsp. pulvinata (Wherry) W. A. Weber] - W&W  
 [Phlox variabilis Brand] - HDH
- Phlox viridis E. E. Nelson subsp. longipes (M. E. Jones) Wherry - KTZ, WJ, Porter00  
 [Phlox longifolia Nutt.] - W&W  
 [Phlox longifolia Nutt. subsp. longipes (M. E. Jones) Wherry] - HDH  
 [Phlox longifolia Nutt. var. longifolia] - IMF
- Polemonium brandegei (A. Gray) Greene - Dorn01, IMF, KTZ, SFE, W&W, Porter00, E/W

[*Polemonium brandegei* Greene] - GPF, SFW

[*Polemonium viscosum* Nutt.] - HDH

- ◆ *Polemonium confertum* A. Gray - **ENDEMIC** <CO>, IMF, KTZ, SF!, W&W, Porter00, E/W  
[*Polemonium viscosum* Nutt.] - HDH

*Polemonium foliosissimum* A. Gray - HDH, SF!, W&W, Porter00, E/W

[*Polemonium foliosissimum* (A. Gray) A. Gray] - W&W<sup>1</sup>

[*Polemonium foliosissimum* A. Gray var. *foliosissimum*] - IMF, KTZ, UTF

[*Polemonium foliosissimum* A. Gray var. *molle* (Greene) Anway] - KTZ

*Polemonium occidentale* Greene subsp. *occidentale* - HDH, KTZ, Porter00, E/W

[*Polemonium caeruleum* L. subsp. *amygdalinum* (Wherry) Munz] - SF!, W&W

[*Polemonium caeruleum* L. var. *pterosperma* Benth.] - UTF

[*Polemonium occidentale* Greene] - Dorn01, IMF

*Polemonium pulcherrimum* Hook. subsp. *delicatum* (Rydb.) Brand - KTZ, SF!, W&W, Porter00, E/W

[*Polemonium delicatum* Rydb.] - HDH

[*Polemonium pulcherrimum* Hook. var. *delicatum* (Rydb.) Cronquist] - IMF, UTF

[*Polemonium pulcherrimum* Hook.] - Dorn01

*Polemonium viscosum* Nutt. - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, Porter00, E/W

## **Polygalaceae - PGL**

(Identification sources: \_\_\_\_\_)

{*Polygala acanthoclada* A. Gray} - HDH rep., KTZ <AZ, UT>, W&W, misapp.

{*Polygala acanthoclada* A. Gray var. *acanthoclada*} - IMF, UTF

*Polygala alba* Nutt. - Dorn01, GPF, HDH, KTZ, SFE, W&W

[*Polygala alba* Nutt. var. *alba*] - E

*Polygala sanguinea* L. - KWA

[*Polygala viridescens* L.] - M&H, KTZ

*Polygala subspinosa* S. Watson - HDH, KTZ, SFW, UTF, W&W, W

[*Polygala subspinosa* S. Watson var. *subspinosa*] - IMF

{*Polygala verticillata* L.} - GPF, HDH rep., IMF, UTF, W&W, misapp.

{*Polygala verticillata* L. var. *isocycla* Fernald} - KTZ <KS, NE, OK, UT, WY>

## **Polygonaceae - PLG**

(Identification sources: \_\_\_\_\_)

Acetosella (see **Rumex**)

*Bistorta bistortoides* (Pursh) Small - FNA, SF!, W&W

[*Polygonum bistortoides* Pursh] - KTZ, UTF, E/W

[*Polygonum bistortoides* Pursh var. *bistortoides*] - HDH

[*Polygonum bistortoides* Pursh var. *linearifolium* (S. Watson) Small] - HDH

*Bistorta vivipara* (L.) S. Gray - SF!, W&W

[*Perisicaria viviparum* (L.) Ronse Decraene] - FNA

[*Polygonum viviparum* L.] - GPF, HDH, KTZ, UTF, E/W

Eriogonum (see also **Stenogonum**)



(Identification sources: \_\_\_\_\_)

- Eriogonum acaule* Nutt. - FNA, KTZ, SFW, W&W, W  
[*Eriogonum caespitosum* Nutt. subsp. *acuale* (Nutt.) S. Stokes] - FNA  
[*Eriogonum caespitosum* Nutt. var. *acuale* (Nutt.) R. J. Davis] - FNA
- Eriogonum alatum* Torr. var. *alatum* - FNA, GPF, KTZ, E/W  
[*Eriogonum alatum* Torr.] - UTF  
[*Eriogonum alatum* Torr. subsp. *alatum*] - HDH  
[*Eriogonum alatum* Torr. subsp. *triste* (S. Watson) S. Stokes] - HDH  
[*Pterogonum alatum* (Torr.) H. Gross] - SF!, W&W
- Eriogonum annuum* Nutt. - FNA, GPF, HDH, KTZ, SFE, W&W, E
- Eriogonum arcuatum* Greene var. *arcuatum* - FNA  
[*Eriogonum arcuatum* Greene] - HDH  
[*Eriogonum bakeri* Greene] - FNA  
[*Eriogonum flavum* Nutt.] - W&W<sup>1</sup>  
[*Eriogonum flavum* Nutt. var. *tectum* (A. Nels.) S. Stokes] - FNA  
[*Eriogonum jamesii* Benth. subsp. *bakeri* (Greene) S. Stokes] - FNA  
[*Eriogonum jamesii* Benth. var. *flavescens* S. Watson] - KTZ, UTF, W&W  
[*Eriogonum jamesii* Benth. var. *higginsii* S. L. Welsh] - FNA
- ◆ *Eriogonum arcuatum* Greene var. *xanthum* (Small) Reveal - **ENDEMIC** <CO>, FNA  
[*Eriogonum chloranthum* Greene] - FNA  
[*Eriogonum flavum* Nutt.] - HDH  
[*Eriogonum flavum* Nutt. subsp. *chloranthum* (Greene) S. Stokes] - SF!, W&W<sup>1</sup>  
[*Eriogonum jamesii* Benth. var. *xanthum* (Small) Reveal] - KTZ, W&W, E/W  
[*Eriogonum xanthum* Small] - FNA
- Eriogonum batemanii* M. E. Jones - FNA, HDH, KTZ, SFW, W&W, W
- Eriogonum bicolor* M. E. Jones - FNA, HDH, KTZ, SFW, UTF, W&W, W  
[*Eriogonum microthecum* Nutt. subsp. *bicolor* (M. E. Jones) S. Stokes] - FNA
- ◆ *Eriogonum brandegei* Rydb. - **ENDEMIC** <CO>, KTZ, SFE, W&W, E  
[*Eriogonum spathulatum* A. Gray] - HDH, rep.
- Eriogonum brevicaule* Nutt. var. *brevicaule* - FNA, KTZ, UTF, E/W  
[*Eriogonum brevicaule* Nutt.] - GPF, SF!, W&W  
[*Eriogonum brevicaule* Nutt. var. *grangerense* (M. E. Jones) S. Stokes] - FNA  
[*Eriogonum brevicaule* Nutt. var. *wasatchense* (M. E. Jones) Reveal] - FNA  
[*Eriogonum campanulatum* Nutt.] - HDH  
[*Eriogonum grangerense* M. E. Jones] - FNA  
[*Eriogonum wasatchense* M. E. Jones] - FNA
- {*Eriogonum brevicaule* Nutt. var. *laxifolium* (Torr. & A. Gray) Reveal} - KTZ <UT, WY>  
{*Eriogonum chrysocephalum* A. Gray} - HDH rep., W&W, rep.
- Eriogonum brevicaule* Nutt. var. *micranthum* (Nutt.) Reveal - FNA  
[*Eriogonum brevicaule* subsp. *orendense* (A. Nels.) S. Stokes] - KTZ
- {*Eriogonum caespitosum* Nutt.} - HDH, doubtful, KTZ<AZ,UT,WY>, UTF, W&W, err. rep.
- Eriogonum cernuum* Nutt. - FNA, GPF, HDH, SF!, W&W  
[*Eriogonum cernuum* Nutt. var. *cernuum*] - KTZ, UTF, E/W  
[*Eriogonum cernuum* Nutt. var. *psammophilum* S. L. Welsh] - FNA  
[*Eriogonum cernuum* Nutt. subsp. *tenue* (Torr. & A. Gray) S. Stokes] - FNA  
[*Eriogonum cernuum* Nutt. var. *tenue* Torr. & A. Gray] - FNA  
[*Eriogonum cernuum* Nutt. var. *umbraticum* Eastwood] - FNA  
[*Eriogonum cernuum* Nutt. subsp. *viminale* S. Stokes] - FNA  
[*Eriogonum cernuum* Nutt. var. *viminale* (S. Stokes) Reveal] - FNA
- Eriogonum clavellatum* Small - FNA, KTZ, UTF, W&W, W, UT3  
[*Eriogonum clavellatum* Eastw.] - SFW  
[*Eriogonum pelinophilum* Reveal] - SFW, W&W

- ◆ *Eriogonum coloradense* Small - **ENDEMIC** <CO>, HDH, KTZ, SF!, W&W, E/W  
 [NS - See comments by Reveal in FNA 5: 262 regarding questionable distinctness of this taxon under *E. lonchophyllum*]  
 [*Eriogonum multiceps* Ness var. *coloradense* (Small) S. Stokes] - FNA
- Eriogonum contortum* Small - FNA, HDH, KTZ, SFW, W&W, W  
 [*Eriogonum contortum* Small ex Rydb.] - UTF  
 [*Eriogonum effusum* Nutt. subsp. *contortum* (Small ex Rydb.) S. Stokes] - FNA
- Eriogonum corymbosum* Benth. var. *corymbosum* - KTZ, SFW, UTF, W&W, W  
 [*Eriogonum corymbosum* Benth.] - HDH  
 [*Eriogonum corymbosum* Benth. var. *divaricatum* Torr. & A. Gray] - FNA  
 [*Eriogonum corymbosum* Benth. var. *erectum* Reveal & Brotherson] - FNA  
 [*Eriogonum divergens* Small] - FNA  
 [*Eriogonum effusum* Nutt. subsp. *divaricatum* (Torr. & A. Gray) S. Stokes] - FNA  
 [*Eriogonum effusum* Nutt. subsp. *durum* S. Stokes] - FNA  
 [*Eriogonum effusum* Nutt. subsp. *salinum* (A. Nels.) S. Stokes] - FNA  
 [*Eriogonum salinum* A. Nelson] - HDH, rep.
- Eriogonum corymbosum* Benth. var. *orbiculatum* (S. Stokes) Reveal & Brotherson - FNA, KTZ, SFW, UTF, W&W, W  
 [*Eriogonum divergens* Small] - HDH, exp.  
 [*Eriogonum effusum* Nutt. subsp. *orbiculatum* S. Stokes] - FNA
- Eriogonum corymbosum* Benth. var. *velutinum* Reveal - FNA, KTZ, SFW, W  
 [*Eriogonum corymbosum* Benth. var. *orbiculatum* (S. Stokes) Reveal & Brotherson] - UTF
- Eriogonum davidsonii* Greene -KTZ <AZ, UT>, UTF  
 {*Eriogonum densum* Greene} - HDH, exp., W&W  
 {*Eriogonum polycladon* Benth} - KTZ <AZ, NM, UT>
- Eriogonum divaricatum* Hook. - FNA, HDH, KTZ, SFW, UTF, W&W, W
- Eriogonum ephedroides* Reveal - FNA, KTZ, SFW, W&W, W  
 [*Eriogonum brevicaule* Nutt. ex *ephedroides* (Reveal) S. L. Welsh] - UTF
- Eriogonum effusum* Nutt. - FNA, HDH, SFE, W&W  
 [*Eriogonum effusum* Nutt. var. *effusum*] - GPF, KTZ  
 [*Eriogonum nudicaule* (Torr.) Small] - HDH  
 [*Eriogonum microthecum* Nutt. var. *effusum* (Nutt.) Torr. & A. Gray] - E
- ◆ *Eriogonum exilifolium* Reveal - **ENDEMIC** <CO,WY>, FNA, KTZ, SF!, W&W, E/W
- Eriogonum flavum* Nutt. var. *flavum* - FNA, KTZ, E/W  
 [*Eriogonum flavum* Nutt.] - GPF, HDH, SFE  
 [*Eriogonum flavum* Nutt. subsp. *flavum*] - SFW  
 [*Eriogonum flavum* Nutt. ex Benth. subsp. *flavum*] - W&W<sup>1</sup>
- Eriogonum fusiforme* Small - FNA, HDH, KTZ  
 [*Eriogonum inflatum* Torr. & Frémont var. *fusiforme* (Small) Reveal] - UTF, W&W
- Eriogonum gordonii* Benth. - GPF, HDH, KTZ, SFW, UTF, W&W, W
- Eriogonum heracleoides* Nutt. var. *heracleoides* - FNA, KTZ, W  
 [*Eriogonum heracleoides* Nutt.] - HDH, SFW, UTF, W&W
- Eriogonum hookeri* S. Watson - FNA, HDH, KTZ, SFW, UTF, W&W, W  
 [*Eriogonum deflexum* Torr. var. *gilvum* S. Stokes] - FNA  
 [*Eriogonum deflexum* Torr. subsp. *hookeri* (S. Wats.) S. Stokes] - FNA
- Eriogonum inflatum* Torr. & Frémont - FNA  
 [*Eriogonum fusiforme* Small] - HDH, KTZ  
 [*Eriogonum glaucum* Small] - FNA  
 [*Eriogonum inflatum* Torr. & Frémont var. *deflatum* I. M. Johnston] - FNA  
 [*Eriogonum inflatum* Torr. & Frémont var. *fusiforme* (Small) Reveal] - UTF, W&W  
 [*Eriogonum trichopes* Torr. subsp. *glaucum* (Small) S. Stokes] - FNA  
 [*Eriogonum inflatum* Torr. & Frémont var. *inflatum* - KTZ, UTF, W&W, W

[*Eriogonum inflatum* Torr. & Frémont] - HDH, SFW  
*Eriogonum jamesii* Benth. var. *jamesii* - FNA, KTZ, W&W, E/W  
 [*Eriogonum jamesii* Benth.] - GPF, HDH, SF!, W&W<sup>1</sup>  
*Eriogonum lachnogynum* Torr. ex Benth. var. *colobum* Reveal & A. Clifford  
*Eriogonum lachnogynum* Torr. ex Benth. var. *lachnogynum* - FNA  
 [*Eriogonum lachnogynum* Torr. ex Benth.] - HDH, KTZ, W&W, E  
 [*Eriogonum lachnogynum* Torr.] - GPF, SFE  
 [*Eriogonum tetraeuris* Small] - HDH, rep.  
 {*Eriogonum leptocladon* Torr. & A. Gray var. *leptocladon*} - SFW, UTF, W&W, W  
 {*Eriogonum leptocladon* Torr. & A. Gray} - HDH, exp.  
*Eriogonum leptocladon* Torr. & A. Gray var. *ramosissimum* (Eastw.) Reveal - FNA, KTZ, SFW, UTF, W&W, W  
 [*Eriogonum effusum* Nutt. subsp. *pallidum* (Small) S. Stokes] - FNA  
 [*Eriogonum leptocladon* Torr. & A. Gray] - HDH, exp.  
 [*Eriogonum ramosissimum* Eastw.] - FNA  
*Eriogonum leptophyllum* (Torr. & A. Gray) Wooton & Standl. - FNA, KTZ, W  
 [*Eriogonum effusum* Nutt. var. *leptophyllum* Torr.] - FNA  
 [*Eriogonum leptophyllum* (Torr.) Wooton & Standl.] - HDH, SFW, UTF, W&W  
*Eriogonum lonchophyllum* Torr. & A. Gray  
 [*Eriogonum ainsliei* Standl.] - HDH, exp.  
 [*Eriogonum effusum* Nutt. subsp. *fendlerianum* S. Stokes] - GPF  
 [*Eriogonum fendlerianum* (Benth.) Small] - GPF <CO>, HDH, SFE, W&W  
 [*Eriogonum fendlerianum* (Benth.) Small var. *fendlerianum* (Benth.) Reveal] - KTZ, E  
 [*Eriogonum lonchophyllum* Torr. & A. Gray] - HDH, SF!, W&W  
 [*Eriogonum lonchophyllum* Torr. & A. Gray var. *intermontanum* (Reveal) Reveal] - FNA  
 [*Eriogonum lonchophyllum* Torr. & A. Gray var. *lonchophyllum*] - KTZ, UTF, E/W  
 [*Eriogonum lonchophyllum* Torr. & A. Gray var. *nudicaule* (Torr.) Reveal] - FNA  
 [*Eriogonum lonchophyllum* Torr. & A. Gray var. *saurinum* (Reveal) S. L. Welsh] - KTZ <UT>, UTF  
 [*Eriogonum salicinum* Greene] - HDH  
 [*Eriogonum saurinum* Reveal] - W&W  
 [*Eriogonum scoparium* Small] - HDH  
 [*Eriogonum tristichum* Small] - HDH  
 {*Eriogonum longifolium* Nutt. var. *lindheimeri* Gand.} - GPF <CO>  
 {*Eriogonum longifolium* Nutt. var. *longifolium*} - KTZ <KS, NM, OK>  
*Eriogonum microthecum* Nutt. var. *laxiflorum* Hook. - FNA, KTZ, SFW, UTF, W&W, W  
 [*Eriogonum microthecum* Nutt.] - HDH  
 [*Eriogonum microthecum* Nutt. var. *foliosum* (Torr. & A. Gray) Reveal] - FNA, FCF  
*Eriogonum microthecum* Nutt. var. *simpsonii* (Benth.) Reveal - FNA, KTZ, SF!, W&W, E/W  
 [*Eriogonum simpsonii* Benth.] - HDH  
*Eriogonum X nebraskense* Rydb. - FNA  
 {*Eriogonum ovalifolium* Nutt. var. *ochroleucum* (Small ex Rydb.) M. Peck} - KTZ  
 {*Eriogonum ochroleucum* Small} - HDH  
 {*Eriogonum ovalifolium* Nutt.} - UTF, W&W  
*Eriogonum ovalifolium* Nutt. var. *ovalifolium* - FNA, HDH, KTZ, SFW, W  
 [*Eriogonum ovalifolium* Nutt.] - W&W  
*Eriogonum ovalifolium* Nutt. var. *purpureum* (Nutt.) T. Durand - FNA, KTZ, W  
 [*Eriogonum ovalifolium* Nutt.] - W&W  
 [*Eriogonum ovalifolium* Nutt. var. *nevadensis* Gand.] - SFW  
 [*Eriogonum ovalifolium* Nutt. var. *purpureum* (Nutt.) A. Nels.] - HDH  
*Eriogonum palmerianum* Reveal - FNA < KTZ, SFW, W&W<sup>1</sup>, W  
 [*Eriogonum baileyi* var. *tomentosum* S. Wats. non *E. tomentosum* Michx.] - KTZ  
 [*Eriogonum plumatella* Durand & Hilgard var. *palmeri* Torr. & A. Gray] - FNA  
*Eriogonum pauciflorum* Pursh var. *pauciflorum* - FNA

- [*Eriogonum effusum* X *E. pauciflorum*] - W&W  
 [*Eriogonum nebraskense* Rydb.] - HDH  
 [*Eriogonum* X *nebraskense* Rydb.] - KTZ  
 [*Eriogonum pauciflorum* Pursh var. *gnaphalodes* (Benth.) Reveal - GPF, KTZ, SFE, W&W, E  
 [*Eriogonum pauciflorum* Pursh var. *nebraskense* (Rydb.) Reveal] - GPF  
*Eriogonum pauciflorum* Pursh var. *pauciflorum* - GPF, KTZ <NE, WY>, W&W  
 [*Eriogonum multiceps* Nees] - HDH  
 [*Eriogonum pauciflorum* Pursh] - HDH  
 {*Eriogonum pharnaceoides* Torr.} - HDH, exp., W&W  
 {*Eriogonum pharnaceoides* Torr. var. *cervinum* Reveal} - KTZ <AZ, UT>  
 {*Eriogonum pharnaceoides* Torr. var. *pharnaceoides*} - KTZ <AZ, NM>, UTF  
 ◆*Eriogonum pelinophilum* Reveal - FNA  
 [NS - Of grave conservation concern]  
*Eriogonum racemosum* Nutt. - FNA, HDH, KTZ, SF!, W&W  
 [*Eriogonum racemosum* Nutt. var. *racemosum*] - UTF, E/W  
*Eriogonum rotundifolium* Benth. - HDH, KTZ <AZ, NM>, W&W, W&W<sup>1</sup>, err. rep.  
*Eriogonum scabrellum* Reveal - FNA, KTZ, SFW, UTF, W&W, W  
*Eriogonum shockleyi* S. Watson - FNA, UTF  
 [*Eriogonum shockleyi* S. Watson var. *longilobum* (S. Stokes) Reveal] - SFW, W&W, W  
 [*Eriogonum shockleyi* S. Watson var. *shockleyi*] - KTZ  
*Eriogonum subreniforme* S. Watson - FFC, HDH, KTZ <AZ, NM, UT>, UTF, W&W misid.  
 [*Eriogonum filicaule* S. Stokes] - KTZ  
*Eriogonum tenellum* Torr. var. *tenellum* - FNA, KTZ, E  
 [*Eriogonum tenellum* Torr.] - GPF, HDH, SFE, W&W  
*Eriogonum trichopes* Torr. var. *trichopes* - KTZ <AZ, NM, UT>  
 [*Eriogonum trichopes* Torr.] - UTF  
*Eriogonum tumulosum* (Barneby) Reveal - FNA, KTZ, SFW, UTF, W&W, W  
 [*Eriogonum villiflorum* A. Gray] - HDH, exp.  
 [*Eriogonum villiflorum* A. Gray var. *tumulosum* Barneby] - FNA  
*Eriogonum umbellatum* Torr. var. *aureum* (Gand.) Reveal - FNA, KTZ, SF!, W&W, E/W  
 [*Eriogonum umbellatum* Torr. var. *umbellatum*] - UTF  
*Eriogonum umbellatum* Torr. var. *desereticum* Reveal - FNA  
 {*Eriogonum umbellatum* Torr. var. *dichrocephalum* Gand.} - KTZ <UT, WY>  
 {*Eriogonum umbellatum* Torr. var. *majus* Hook.} - UTF  
*Eriogonum umbellatum* Torr. var. *majus* Hook. - FNA, KTZ, UTF, E/W  
 [*Eriogonum subalpinum* Greene] - HDH, SF!, W&W  
*Eriogonum umbellatum* Torr. var. *porteri* (Small) Stokes - FNA, SFW, UTF, W&W, E/W  
 [*Eriogonum umbellatum* Torr. var. *aureum* (Gand.) Reveal] - KTZ, SFE  
 ◆*Eriogonum umbellatum* Torr. var. *ramulosum* Reveal - FNA  
 [NS - endemic to Jefferson and Larimer counties, CO]  
*Eriogonum umbellatum* Torr. var. *subaridum* S. Stokes - FNA, KTZ, SFW, UTF, W  
 [*Eriogonum umbellatum* Torr. subsp. *subaridum* (S. Stokes) Munz] - W&W  
*Eriogonum umbellatum* Torr. var. *umbellatum* - FNA, KTZ, SF!, UTF, W&W, E/W  
 [*Eriogonum umbellatum* Torr.] - HDH  
 {*Eriogonum viridulum* Reveal} - KTZ, W&W, W&W<sup>1</sup>  
 {*Eriogonum brevicaule* Nutt.} - W&W<sup>1</sup>  
 {*Eriogonum brevicaule* Nutt. var. *viridulum* (Reveal) S. L. Welsh} - UTF  
*Eriogonum wetherillii* Eastw. - FNA, HDH, exp., KTZ, SFW, UTF, W&W, W  
 [*Eriogonum filiforme* L. O. Williams] - FNA  
 [*Eriogonum sessile* S. Stokes ex M. E. Jones] - FNA  
 {*Eriogonum wrightii* Torr. ex Benth.} - HDH rep., W&W  
 {*Eriogonum wrightii* Torr.} - UTF

{*Eriogonum wrightii* Torr. ex Benth. var. *wrightii*} - KTZ <AZ, NM, UT>

∴ *Fagopyrum esculentum* Moench - GPF, KTZ, W&W  
[*Fagopyrum esculentum* (L.) Moench] - HDH  
[*Fagopyrum sagittatum* Gilibert] - FNA  
[*Polygonum fagopyrum* L.] - FNA

∴ *Fallopia baldschuanica* (Regel) Holub - FNA  
[*Polygonum baldschuanicum* Regel] - FNA

∴ *Fallopia convolvulus* (L.) A. Löve - FNA, SF!, W&W  
[*Polygonum convolvulus* L.] - GPF, HDH, UTF  
[*Polygonum convolvulus* L. var. *convolvulus*] - KTZ, E/W

∴ *Fallopia japonica* (Houttuyn) Ronse Decraene var. *japonica* - FNA  
[*Polygonum cuspidatum* Siebold & Zucc.] - GPF, KTZ, UTF, E/W  
[*Reynoutria japonica* Houtt.] - SF!, W&W

*Fallopia scandens* (L.) Holub - FNA, SFE, W&W  
[*Polygonum scandens* L. var. *scandens*] - GPF, KTZ, E  
[*Polygonum scandens* L.] - HDH

*Koenigia islandica* L. - FNA, KTZ, SF!, W&W, E/W

*Oxyria digyna* (L.) Hill - FNA, HDH, KTZ, SF!, UTF, W&W, E/W

*Oxytheca dendroidea* Nutt. subsp. *dendroidea* - FNA  
[*Eriogonum dendroideum* (Nutt.) S. Stokes] - KTZ  
[*Eriogonum dendroideum* (Nutt.) var. *foliosa* M. E. Jones] - KTZ  
[*Eriogonum dendroideum* (Nutt.) var. *hillmannii* S. Stokes] - KTZ  
[*Oxytheca foliosa* Nutt.] - KTZ

Periscaria

(Identification sources: \_\_\_\_\_)

*Persicaria amphibia* (L.) A. Gray - FNA  
[NS - additional synonyms in FNA 5: 583]  
[*Polygonum amphibium* L.] - FNA, UTF  
[*Polygonum amphibium* L. var. *emersum* Michx.] - GPF, KTZ, E/W  
[*Persicaria coccinea* (Muhl.) Greene] - SF!  
[*Persicaria coccinea* (Muhl. ex Willd.) Greene] - W&W<sup>1</sup>  
[*Persicaria coccinea* (Muhl. ex Willd.) Greene] - W&W  
[*Polygonum coccinea* Mühl. ex Willd. forma *terrestre* (Willd.) Stanford] - HDH

*Persicaria bicornis* (Raf.) Nieuwl. - FNA, SFE, W&W  
[*Persicaria longistyla* (Small) Small] - FNA  
[*Polygonum bicornis* Raf.] - GPF, E  
[*Polygonum longistylum* Small] - FNA  
[*Polygonum pensylvanicum* L.] - KTZ

∴ *Persicaria hydropiper* (L.) Opiz - FNA, SF!, W&W  
[*Polygonum hydropiper* L.] - GPF, HDH, KTZ, UTF, E/W

∴ *Persicaria hydropiperoides* (Michx.) Sm. var. *opelousanum* (Ridd. ex J. K. Small) Ridd. ex W. Stone - Smith09?

Δ *Persicaria lapathifolia* (L.) S. Gray - FNA, SF!, W&W

[*Polygonum incanum* F. W. Schmidt] - HDH  
[*Polygonum incarnatum* Elliott] - HDH  
[*Polygonum lapathifolium* L.] - GPF, KTZ, UTF  
[*Polygonum lapathifolium* L. var. *lapathifolium*] - HDH, E/W  
[*Polygonum lapathifolium* L. var. *nodosum* (Pers.) Small] - HDH  
[*Polygonum lapathifolium* L. var. *salicifolium* Sibth.] - E/W  
[*Polygonum scabrum* Moench] - FNA  
[*Polygonum tomentosum* Willd.] - FNA

∴ *Periscaria maculosa* A. Gray - FNA

[*Periscaria fusiformis* (Greene) Greene] - FNA  
[*Periscaria vulgaris* Webb & Moquin-Tandon] - FNA  
[*Polygonum persicaria* L.] - GPF, HDH, KTZ, UTF, E/W

*Persicaria pensylvanica* (L.) M. Gomez - SF!, W&W

[*Polygonum longistylum* Small var. *omissum* (Greene) Stanford] - HDH  
[*Polygonum omissum* Greene] - FNA  
[*Polygonum pensylvanicum* L.] - GPF, KTZ, E/W  
[*Polygonum pensylvanicum* L. var. *laevigatum* Fernald] - HDH  
[*Polygonum persicarioides* Kunth] - HDH

Δ *Persicaria punctata* (Elliott) Small - FNA, SF!, W&W

[NS - additional synonymy in FNA 5: 586] - FNA  
[*Polygonum punctatum* Elliott] - GPF  
[*Polygonum punctatum* Elliott var. *confertiflorum* (Meisn.) Fassett] - HDH, KTZ, E/W  
[*Polygonum punctatum* Elliott var. *parviflorum* Fassett] - HDH

*Persicaria sagittatum* (L.) H. Gross - FNA

[*Polygonum sagittatum* L. - GPF, HDH, KTZ, E  
[*Truellum sagittatum* (L.) Soják] - SFE, W&W

## Polygonum

(Identification sources: \_\_\_\_\_)

Δ *Polygonum achoreum* S. F. Blake - FNA, GPF, KTZ, E

[*Polygonum erectum* L. subsp. *achoreum* (S. F. Blake) A. Löve & D. Löve] - SFE, W&W

∴ *Polygonum arenastrum* Jord. ex Boreau - GPF, KTZ, E/W

[*Polygonum arenastrum* Boreau] - SF!, W&W  
[*Polygonum aviculare* L.] - RMC

∴ *Polygonum argyrocoleon* Steud. ex Kunze - FNA, KTZ, W&W, E/W

[*Polygonum argyrocoleon* Steud.] - SF!, UTF

∴ *Polygonum aubertii* L. Henry - KTZ, E

[*Fallopia aubertii* (L. Henry) Holub] - SFE, W&W  
[*Polygonum aubertii* (L.) L. Henry] - UTF

∴ *Polygonum aviculare* L. - GPF, KTZ, UTF

[NS - FNA 5: 556-557 recognized several varieties, in my view of questionable taxonomic value]  
[*Polygonum arenastrum* Boreau] - SF!  
[*Polygonum aviculare* L. var. *aviculare*] - HDH, W&W

∴ *Polygonum bellardii* All. - KTZ

[*Polygonum aviculare* L. var. *angustissimum* Meisn.] - HDH, W&W

Δ *Polygonum buxiforme* Small - GPF, KTZ

[*Polygonum arenastrum* Boreau] - W&W<sup>1</sup>

*Polygonum douglasii* Greene var. *douglasii*

[*Polygonum austiniiae* Greene] - KTZ  
[*Polygonum douglasii* Greene var. *latifolium* (Engelm.) Greene] - FNA

- [*Polygonum douglasii* Greene subsp. *austiniae* (Greene) E. Murr.] - KTZ  
 [*Polygonum douglasii* Greene var. *austiniae* (Greene) Jones - WY checklist, KTZ  
 [*Polygonum emaciatum* A. Nels.] - FNA  
 [*Polygonum montanum* (Small) Greene] - FNA  
 [*Polygonum tenue* Michx. var. *commune* Engelm.] - FNA  
 [*Polygonum tenue* Michx. var. *latifolium* Engelm.] - FNA  
***Polygonum douglasii* Greene var. *microspermum* (Engelm.) Dorn - E/W**  
 [*Polygonum douglasii* Greene] - SF!, W&W<sup>1</sup>  
 [*Polygonum douglasii* Greene subsp. *engelmannii* (Greene) Kartesz & Gandhi] - KTZ  
 [*Polygonum engelmannii* Greene] - HDH, W&W  
***Polygonum engelmannii* Greene - FNA**  
 [*Polygonum douglasii* Greene subsp. *engelmannii* (Greene) Kartesz & Gandhi] - FNA  
***Polygonum erectum* L. - FNA, GPF, HDH, KTZ, W&W, app. uncertain**  
 [*Polygonum aviculare* var. *erectum* (L.) Roth ex Meisn.] - KTZ  
***Polygonum kelloggii* Greene var. *confertiflorum* (Nutt. ex Piper) Dorn - RMC**  
 [*Polygonum polygaloides* Meisn. subsp. *confertiflorum* (Nutt. ex Piper) J. C. Hickman] - KTZ  
 [*Polygonum polygaloides* Wall. ex Meisn. subsp. *confertiflorum* (Nutt. ex Piper) J. C. Hickman] - KTZ  
 [*Polygonum watsonii* Small] - HDH  
***Polygonum kelloggii* Greene var. *kelloggii* - E/W**  
 [*Polygonum kelloggii* Greene] - HDH, UTF  
 [*Polygonum polygaloides* Meisn. subsp. *kelloggii* (Greene) J. C. Hickman] - SF!, W&W  
 [*Polygonum polygaloides* Wall. ex Meisn. subsp. *kelloggii* (Greene) J. C. Hickman] - KTZ  
 [*Polygonum unifolium* Small] - HDH  
***Polygonum majus* (Meisner) Piper - FNA**  
 [*Polygonum coarctatum* Dougl. ex Meisner var. *majus* Meisner] - FNA  
 [*Polygonum douglasii* Greene subsp. *majus* (Meisner) J. C. Hickman] - FNA  
***Polygonum minimum* S. Watson - FNA, HDH, KTZ, SF!, UTF, W&W, E/W**  
 [*Polygonum torreyi* S. Watson] - FNA  
 {*Polygonum oxyspermum* C. A. Mey. & Bunge ex Ledeb.} - KTZ  
***Polygonum polygaloides* Meisn. - FNA, HDH**  
 [NS - 2-3 varieties recognized for our area by FNA]  
 [*Polygonum polygaloides* Meisn. subsp. *polygaloides*] - W&W, err. rep.  
 [*Polygonum polygaloides* Wall. ex Meisn. subsp. *polygaloides*] - KTZ  
 {*Polygonum ramosissimum* Michx. subsp. *prolificum* (Small) Costea & Tardif - FNA}  
 {NS - to be expected given distributions in FNA 5: 552}  
***Polygonum ramosissimum* Michx. subsp. *ramosissimum* - FNA**  
 [*Polygonum ramosissimum* Michx. var. *ramosissimum*] - KTZ, E/W  
 [*Polygonum exsertum* Small] - HDH  
 [*Polygonum ramosissimum* Michx.] - GPF, HDH, SF!, UTF, W&W  
***Polygonum sawatchense* Small subsp. *sawatchense* - FNA, GPF, HDH**  
 [*Polygonum douglasii* Greene subsp. *johnstonii* (Munz) J. C. Hickman] - KTZ  
 [*Polygonum douglasii* Greene var. *johnstonii* Munz] - FNA  
 [*Polygonum exile* Eastw.] - FNA  
 [*Polygonum triandrum* Coolidge] - FNA  
 {*Polygonum spergulariaeforme* Meisn. ex Small} - HDH  
 {*Polygonum douglasii* Greene subsp. *spergulariiforme* (Meisn. ex Small) J. C. Hickman} - KTZ <WY>  
 {*Polygonum spergulariaeforme* Meisn.} - W&W, err. rep.  
***Polygonum tenue* Michx. - FNA**

**Pterogonum (see *Eriogonum*)**

**Reynoutria (see *Polygonum* and *Fallopia*)**

- ∴ *Rheum rhabarbarum* L. - GPF, KTZ  
 [Rheum rhabarbarum L.] - UTF  
 {∴ *Rheum rhaponticum* L.} - HDH, W&W  
 {Rheum rhabarbarum L.} - KTZ

## Rumex

(Identification sources: \_\_\_\_\_)

- ∴ *Rumex acetosella* L. - FNA, GPF, HDH, KTZ, UTF, E/W  
 [Acetosella vulgaris (K. Koch) Fourr.] - SF!, W&W  
*Rumex altissimus* A. W. Wood - FNA, GPF, HDH, KTZ, SFE, W&W, E  
*Rumex aquaticus* L. var. *fenestratus* (Greene) Dorn - KTZ, E/W  
 [Rumex aquaticus L. subsp. *occidentalis* (S. Watson) Hultén] - SF!, W&W  
 [Rumex *occidentalis* S. Watson] - HDH  
 ∴ *Rumex crispus* L. - FNA, GPF, HDH, SF!, UTF, W&W, E/W  
 [Rumex *crispus* subsp. *crispus*] - KTZ  
*Rumex fueginus* Philippi - FNA, HDH  
 [Rumex *maritimus* L.] - KTZ  
 [Rumex *maritimus* L. subsp. *fueginus* (Philippi) Hultén] - SF!, W&W  
 [Rumex *maritimus* L. var. *fueginus* (Phil.) Dusén] - GPF, UTF, E/W  
*Rumex hymenosepalus* Torr. - FNA, GPF, KTZ, SFW, UTF, W&W, W  
 [Rumex *arizonicus* Britton] - FNA  
 [Rumex *hymenosepalus* Torr. var. *hymenosepalus*] - HDH  
 [Rumex *hymenosepalus* Torr. var. *salinus* (A. Nelson) Rechinger f.] - HDH  
 [Rumex *saxei* Kellogg] - FNA  
*Rumex occidentalis* S. Watson - FNA  
 [Rumex *aquaticus* L. subsp. *fenestratus* (Greene) Hultén] - FNA  
 [Rumex *aquaticus* L. var. *fenestratus* (Greene) Dorn] - FNA  
 [Rumex *aquaticus* L. subsp. *occidentalis* (S. Wats.) Hultén] - FNA  
 [Rumex *bakeri* Greene] - FNA  
 [Rumex *fenestratus* Greene] - FNA  
 [Rumex *gracilipes* Greene] - FNA  
 ∴ *Rumex obtusifolius* L. - FNA, GPF, HDH, KTZ, SFE, UTF, W&W, E  
*Rumex patientia* L. - FNA, GPF, HDH, exp., KTZ <KS,NE,OK,UT,WY>, W&W doubtful  
*Rumex paucifolius* Nutt. - FNA, HDH, UTF  
 [Acetosella *paucifolia* (Nutt.) A. Löve] - SF!, W&W  
 [Rumex *paucifolius* Nutt. var. *paucifolius*] - E/W  
 [Rumex *paucifolius* Nutt. subsp. *paucifolius*] - KTZ  
*Rumex praecox* Rydb. - FNA  
*Rumex pycnanthus* Rechinger f. - FNA, HDH  
 [Rumex *densiflorus* Osterh.] - FNA, HDH, KTZ, SF!, W&W, E/W  
 [Rumex *praecox* Rydb.] - HDH  
 [Rumex *pycnanthus* Rechinger f. subsp. *pycnanthus* (Rechinger f.) Á. Löve] - FNA  
*Rumex salicifolius* Weinm. var. *denticulatus* Torr. - KTZ, E/W  
 [Rumex *utahensis* Rech. f.] - HDH, SF!, W&W  
 [Rumex *mexicanus* Meisn.] - GPF  
 [Rumex *salicifolius* Weinm. var. *mexicanus* (Meisn.) C. L. Hitchc.] - KTZ, UTF  
 ∴ *Rumex stenophyllus* Ledeb. - FNA, GPF, KTZ, SFE, UTF, W&W, E  
*Rumex triangulivalvis* (Danser) Rechinger f. - FNA, HDH, SF!, W&W



[*Rumex salicifolius* Weinm. var. *triangulivalvis* (Danser) J. C. Hickman] - E/W  
*Rumex utahensis* Rechinger - FNA  
*Rumex venosus* Pursh - FNA, GPF, HDH, KTZ, SF!, UTF, W&W, E/W  
{*Rumex verticillatus* L.} - O'Kane88

*Stenogonum flexum* (M. E. Jones) Reveal & J. T. Howell - FNA, KTZ, SFW, W&W  
[*Eriogonum glandulosum* (Nutt.) Nutt. ex Benth.] - HDH, KTZ, W&W, misid.  
[*Eriogonum flexum* M. E. Jones] - UTF  
*Stenogonum salsuginosum* Nutt. - Dorn01, FNA, KTZ, SFW, W&W, W  
[*Eriogonum salsuginosum* (Nutt.) Hook.] - HDH, UTF

Truellum (see **Polygonum**)

### **Pontederiaceae - PON**

∴ *Eichhornia crassipes* (Mart.) Solms - Snow04b

*Heteranthera dubia* (Jacq.) MacMill. - FNA, HDH, exp., KTZ, E  
[*Zosterella dubia* (Jacq.) Small] - GPF, SFE, W&W  
*Heteranthera limosa* (Sw.) Willd. - FNA, GPF, HDH, KTZ, SFE, W&W, E  
*Heteranthera rotundifolia* (Kunth) Griseb. - FNA, HDH, KTZ, W&W

*Zosterella* (see **Heteranthera**)

### **Portulacaceae – POR**

(Identification sources: \_\_\_\_\_)

[NS - Studies by Hershkovitz, Zimmer and others suggest the possibility of splitting POR into Montiaceae (including *Claytonia*, *Lewisia*, *Montia*, *Cistanthe*) and POR s.s. (*Portulaca*)]

{*Cistanthe umbellata* (Torr.) Hershkovitz} - KTZ  
{NS - absent from our area in WY fide Dorn01; not confirmed for our area south from WY}  
{*Calyptridium umbellatum* (Torr.) Greene var. *caudicifera* A. Gray} - UTF

*Cistanthe rosea* (S. Wats.) Hershk. - Dorn01  
[*Calyptridium roseum* S. Wats.] - KTZ

*Claytonia lanceolata* Pursh var. *lanceolata* - KTZ, E/W  
[*Claytonia lanceolata* Pursh] - Dorn01, HDH, SF!, UTF, W&W  
*Claytonia lanceolata* Pursh var. *multiscapa* (Rydb.) C. L. Hitchc. - KTZ, E/W  
[*Claytonia lanceolata* Pursh] - HDH, SF!, UTF  
[*Claytonia multiscapa* Rydb.] - Dorn01  
*Claytonia megarhiza* (A. Gray) Parry ex S. Watson var. *megarhiza* - KTZ, E/W  
[*Claytonia megarhiza* (A. Gray) Parry] - Dorn01, HDH, SF!, UTF  
[*Claytonia megarhiza* (Parry ex A. Gray) S. Watson] - W&W, misid.  
*Claytonia perfoliata* Donn ex Willd. subsp. *perfoliata* - KTZ  
[*Claytonia perfoliata* Donn] - RMC  
[*Montia perfoliata* (Donn) Howell] - W&W, W&W<sup>1</sup>, misid.  
[*Montia perfoliata* (Donn) Howell var. *perfoliata*] - UTF  
*Claytonia rosea* Rydb. - KTZ, SF!, W&W, E/W

[Claytonia lanceolata Pursh] - HDH, UTF

[Claytonia perfoliata Donn] - RMC

Claytonia rubra (Howell) Tidestr. subsp. depressa (A. Gray) J. M. Mill. & K. L. Chambers  
- KTZ

[Claytonia rubra] - Dorn01

[Montia perfoliata Donn var. depressa (A. Gray) Jeps.] - HDH, exp.

Claytonia rubra (Howell) Tidestr. subsp. rubra - KTZ, E/W

[Claytonia perfoliata Donn] - RMC

[Claytonia rubra (Howell) Tidestr.] - SF!, W&W<sup>1</sup>

{Claytonia umbellata S. Wats.} - Dorn01

{NS - collected only once in our region fide Dorn01 in 1876 [Albany Co., WY]; thus probably a waif  
subsequently extirpated given its typical range in CA, OR, and NV}

Crunocallis (see **Montia**)

Erocallis (see **Lewisia**)

Lewisia nevadensis (A. Gray) B. L. Rob. - KTZ, W

[Lewisia pygmaea (A. Gray) B. L. Rob.] - UTF

[Lewisia pygmaea (A. Gray) B. L. Rob. var. nevadensis (A. Gray) Fosberg] - HDH

[Lewisia pygmaea (A. Gray) B. L. Rob. var. pygmaea] - RMC

[Oreobroma nevadensis (A. Gray) Howell] - SFW, W&W

Lewisia pygmaea (A. Gray) B. L. Rob. var. pygmaea - HDH, E/W

[Lewisia pygmaea (A. Gray) B. L. Rob.] - Dorn01, KTZ, UTF

[Oreobroma pygmaea (A. Gray) Howell] - SF!, W&W

Lewisia rediviva Pursh var. rediviva - KTZ, E/W

[Lewisia rediviva Pursh] - Dorn01, HDH, SF!, UTF, W&W

Lewisia triphylla (S. Watson) B. L. Rob. - Dorn01, HDH, KTZ, UTF, E/W

[Erocallis triphylla (S. Watson) Rydb.] - SF!, W&W

Montia (see also **Claytonia**)

Montia chamissoi (Ledeb. ex Spreng.) Greene - Dorn01, KTZ, E/W

[Crunocallis chamissoi (Ledeb.) Cockerell] - SFE

[Crunocallis chamissoi (Ledeb.) Rydb.] - SFW

[Crunocallis chamissoi (Ledeb. ex Spreng.) Rydb.] - W&W

[Montia chamissoi (Ledeb.) T. Durand & Jackson] - HDH

[Montia chamissoi (Ledeb.) B. L. Rob. & Fernald] - UTF

Oreobroma (see **Lewisia**)

Phemeranthus breviolius (Torr.) Kiger - KTZ

[Talinum brevifolium Torr.] - HDH, exp., UTF, W&W

Phemeranthus calycinus (Engelm.) Kiger - KTZ

[Talinum calycinum Engelm.] - GPF, HDH, KTZ, SFE, W&W<sup>1</sup>, E

Phemeranthus parviflorus (Nutt.) Kiger

[Talinum parviflorum Nutt.] - Dorn01, GPF, KTZ, SF!, UTF, E/W

[Talinum parviflorum Nutt. ex Torr. & A. Gray] - HDH, W&W

Portulaca halimoides L. - KTZ, SF!, UTF, W&W<sup>1</sup>, E/W

[Portulaca parvula A. Gray] - GPF <CO>, HDH, W&W

Portulaca oleracea L. - Dorn01, GPF, HDH, KTZ, SF!, UTF, W&W, E/W

[*Portulaca retusa* Engelm.] - W&W, HDH, exp.  
*Portulaca pilosa* L. - KTZ, W&W

### **Potamogetonaceae - POT (including Zannichelliaceae, Najadaceae)**

Potamogeton (see also **Stuckenia**)

(Identification sources: \_\_\_\_\_)

- Potamogeton alpinus Balb. - Dorn01, FNA, IMF, KTZ, SFW, UTF, W&W, E/W  
[Potamogeton alpinus Balb. var. subellipticus (Fernald) Ogden] - HDH, exp.  
[Potamogeton alpinus Balb. var. tenuifolius (Raf.) Ogden] - GPF, HDH, SFE
- Potamogeton amplifolius Tuck. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, W&W, E/W  
∴ Potamogeton crispus L. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E  
Potamogeton diversifolius Raf. - FNA, GPF, HDH, IMF, KTZ, SFE, W&W, E  
Potamogeton epihydrus Raf. - Dorn01, FNA, GPF, IMF, KTZ, SF!, UTF, E/W  
[Potamogeton epihydrus Raf. var. nuttallii (Cham. & Schltdl.) Fernald] - HDH, W&W
- Potamogeton foliosus Raf. var. foliosus - HDH, IMF, UTF, E/W  
[Potamogeton foliosus Raf.] - Dorn01, GPF, SF!, W&W  
[Potamogeton foliosus Raf. subsp. foliosus] - FNA, KTZ  
[Potamogeton foliosus Raf. var. macellus Fernald] - HDH
- Potamogeton friesii Rupr. - Dorn01
- Potamogeton gramineus L. - Dorn01, FNA, GPF, IMF, KTZ, SF!, UTF, W&W, E/W  
[Potamogeton gramineus L. var. gramineus] - HDH  
[Potamogeton gramineus L. var. maximus Morong ex A. Benn.] - HDH
- Potamogeton X hagstroemii A. Benn. - FNA, KTZ  
[Potamogeton gramineus X P. richardsonii] - KTZ
- Potamogeton illinoensis Morong - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
[Potamogeton lateralis Morong] - HDH?, W&W<sup>1</sup>
- Potamogeton natans L. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W
- Potamogeton nodosus Poir - Dorn01, FNA, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E/W  
[Potamogeton nodosus L.] - SFW
- Potamogeton praelongus Wulfen - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W
- Potamogeton pusillus L. var. pusillus - Dorn01, GPF, IMF, W&W, E/W  
[Potamogeton pusillus L.] - SF!, HDH  
[Potamogeton pusillus L. subsp. pusillus] - FNA, KTZ
- Potamogeton pusillus L. var. tenuissimus Mert. & W. D. J. Koch - Dorn01, IMF, W&W, E/W  
[Potamogeton berchtoldii Fieber] - HDH  
[Potamogeton pusillus L.] - HDH, SF!, UTF  
[Potamogeton pusillus L. subsp. tenuissimus (Mert. & W. D. J. Koch) R. R. Haynes & Hellq.] - FNA, KTZ
- Potamogeton richardsonii (A. Benn.) Rydb. - Dorn01, FNA, GPF, HDH, IMF, KTZ, UTF, E/W  
[Potamogeton perfoliatus L. subsp. richardsonii (A. Benn.) Hultén] - SF!, W&W
- Potamogeton robbinsii Oakes - Dorn01, FNA, HDH, exp., IMF, KTZ, UTF
- Potamogeton strictifolius A. Benn. - Dorn01, FNA, GPF, IMF, KTZ  
[Potamogeton strictifolius A. Benn. var. rutiloides Fernald] - HDH, exp., UTF  
[Potamogeton longiligulatus Fern.] - KTZ  
[Potamogeton pusillus var. rutiloides (Fern.) Boivin] - KTZ  
[Potamogeton rutilus auct. non Wolfgang] - KTZ  
[Potamogeton strictifolius var. rutiloides Fern.] - KTZ

[Potamogeton strictifolius var. typicus Fern.] - KTZ  
{Potamogeton zosteriformis Fernald} - FNA, GPF, HDH, exp., IMF, KTZ, UTF

## Stuckenia

(Identification sources: \_\_\_\_\_)

*Stuckenia filiformis* (Pers.) Börner subsp. *alpinus* (Blytt) R. R. Hayes, Les, & M. Král - FNA, KTZ, E/W

[Potamogeton filiformis Pers.] - GPF, SF!, W&W

[Potamogeton filiformis Pers. var. *alpinus* (Blytt) Asch. & Graebn.] - IMF, UTF

[Potamogeton filiformis Pers. var. *alpinus* (J. W. Robbins) Dorn] - Dorn01

[Potamogeton filiformis Pers. var. *borealis* (Raf.) H. St. John] - HDH

[Potamogeton filiformis Pers. var. *macounii* Morong] - HDH

*Stuckenia filiformis* (Pers.) Börner subsp. *occidentalis* (J. W. Robbins) R. R. Haynes, Les, & M. Král - FNA, KTZ, E/W

[Potamogeton filiformis Pers.] - GPF, SF!, W&W

[Potamogeton filiformis Pers. var. *occidentalis* (J. W. Robbins) Morong] - IMF, UTF

[Potamogeton filiformis Pers. var. *occidentalis* (J. W. Robbins) Dorn] - Dorn01

*Stuckenia pectinata* (L.) Börner - Dorn01, FNA, KTZ, E/W

[Potamogeton pectinatus L.] - GPF, HDH, IMF, SF!, UTF, W&W

*Stuckenia striata* (Ruiz & Pav.) Holub - FNA, KTZ

[Potamogeton filiformis Pers.] - GPF, SF!, W&W<sup>1</sup>

[Potamogeton filiformis Pers. var. *latifolius* (J. W. Robbins) Reveal] - IMF?, UTF

[*Stuckenia striatus* (Ruiz & Pav.) Holub] - KTZ

*Stuckenia vaginata* (Turcz.) Holub - Dorn01, FNA, KTZ, E

[Potamogeton vaginatus Turcz.] - GPF, HDH, IMF, SFE, UTF, W&W

*Zannichellia palustris* L. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

## Primulaceae - PRM (see also MRS)

(Identification sources: \_\_\_\_\_)

### Anagallis (see MRS)

*Androsace chamaejasme* Host. subsp. *lehmanniana* Spreng. - E/W

[TK - pers. comm.]

[*Androsace carinata* Torr.] - HDH

[*Androsace chamaejasme* Wulf. subsp. *carinata* (Torr.) Hultén] - KTZ

[*Androsace chamaejasme* Wulf. var. *carinata* (Torr.) Knuth] - Dorn01

[*Androsace chamaejasme* Host subsp. *carinata* (Torr.) Hultén] - SF!, W&W

[*Androsace chamaejasme* Host var. *carinata* (Torr.) Kunth] - UTF

*Androsace filiformis* Retz. - Dorn01, HDH, KTZ, SF!, UTF, W&W, E/W

*Androsace occidentalis* Pursh - Dorn01, GPF, KTZ, SF!, UTF, W&W, E/W

[*Androsace occidentalis* Pursh forma *occidentalis*] - HDH

[*Androsace occidentalis* Pursh forma *simplex* (Rydb.) Robbins] - HDH

*Androsace septentrionalis* L. - SF!, UTF, W&W, E/W

[T. Kelso, pers. comm.]

[*Androsace septentrionalis* L. subsp. *glandulosa* (Wooton & Standl.) G. T. Robbins] - KTZ

[*Androsace septentrionalis* L. var. *glandulosa* H. St. John] - HDH

[*Androsace septentrionalis* L. subsp. *puberulenta* (Rydb.) G. T. Robbins] - KTZ  
[*Androsace septentrionalis* L. var. *puberulenta* (Rydb.) R. Knuth] - HDH  
[*Androsace septentrionalis* L. subsp. *subulifera* (A. Gray) G. T. Robbins] - KTZ  
[*Androsace septentrionalis* L. subsp. *subumbellata* (A. Nels.) G. T. Robbins] - KTZ  
[*Androsace septentrionalis* L. var. *subulifera* A. Gray] - Dorn01, GPF, HDH  
[*Androsace septentrionalis* L. var. *subumbellata* A. Nelson] - HDH

### Centunculus (see **Anagallis**)

### Dodecatheon (see also **Primula**)

[Mast07 summarizes the considerable evidence for merging Dodecantheon into Primula]

#### Dodecatheon conjugens Greene - Dorn01

[Dodecatheon conjugens subsp. *conjugens*] - KTZ  
[Dodecatheon conjugens subsp. *leptophyllum* (Suksdorf) Piper] - KTZ  
[Dodecatheon conjugens var. *beamishii* Boivin] - KTZ  
[Dodecatheon cylindrocarpum Rydb.] - KTZ  
[Primula conjugens (Greene) A. R. Mast & Reveal] - Mast07

#### Dodecatheon dentatum Hooker subsp. *ellisiae* (Standl.) H. J. Thompson - KWA, KTZ

[Dodecatheon *ellisiae* Standl.] - M&H, KTZ

#### Dodecatheon pulchellum (Raf.) Merr. var. *pulchellum* - UTF, E/W

[Dodecatheon pulchellum (Raf.) Merr.] - Dorn01, GPF, HDH, SF!, W&W  
[Dodecatheon pulchellum (Raf.) Merr. subsp. *pulchellum*] - KTZ  
[Dodecatheon radicans Greene] - HDH

### Douglasia montana A. Gray - Dorn01

◆ *Primula angustifolia* Torr. - **ENDEMIC** <CO, NM>, HDH, KTZ, SF!, W&W, E/W

*Primula egalikensis* Wormsk. ex Hornem. - KTZ, E

[*Primula egalikensis* Wormsk.] - HDH rep., SFE, W&W

*Primula incana* M. E. Jones - Dorn01, GPF, HDH, KTZ, SF!, UTF, W&W, E/W

*Primula parryi* A. Gray - Dorn01, HDH, KTZ, SF!, UTF, W&W, E/W

{*Primula specuicola* M. E. Jones} - SFW, exp.

### Pyrolaceae (see **ERI**)

### Ranunculaceae - RAN (including **Coptaceae**, **Helleboraceae**; see also **Paeoniaceae**, under **Thelypteridaceae** in W&W<sup>1</sup>)

(Identification sources: \_\_\_\_\_)

#### *Aconitum columbianum* Nutt. var. *columbianum* - UTF, E/W

[*Aconitum columbianum* Nutt.] - Dorn01, GPF, SF!  
[*Aconitum columbianum* Nutt. subsp. *columbianum*] - FNA, KTZ  
[*Aconitum columbianum* Nutt. forma *ochroleucum* St. John] - SF!  
[*Aconitum columbianum* Nutt. ex Torr. & A. Gray var. *bakeri* (Greene) Harrington] - HDH, W&W  
[*Aconitum columbianum* Nutt. ex Torr. & A. Gray var. *columbianum*] - HDH, W&W

#### *Actaea rubra* (Aiton) Willd. - Dorn01, FNA, GPF, UTF, E/W

[*Actaea arguta* Nutt. & Torr. & A. Gray] - HDH  
[*Actaea rubra* (Aiton) Willd. subsp. *arguta* (Nutt.) Hultén] - KTZ, SF!, W&W

Anemonastrum (see **Anemone**)

Anemone

(Identification sources: \_\_\_\_\_)

- Anemone canadensis L. - Dorn01, FNA, GPF, HDH, KTZ, E  
[Anemonidium canadense (L.) A. Löve & D. Löve] - SFE, W&W
- Anemone cylindrica A. Gray - Dorn01, FNA, GPF, HDH, KTZ, SF!, W&W, E/W
- Anemone multifida Poir. var. multifida - FNA, UTF, E/W  
[Anemone globosa Nutt. ex Pritz.] - HDH  
[Anemone multifida Poir.] - Dorn01, GPF  
[Anemone multifida Poir. subsp. globosa (Nutt.) Torr. & A. Gray] - SF!  
[Anemone multifida Poir. var. globosa (Nutt.) Torr. & A. Gray] - W&W  
[Anemone multifida Poir. var. hudsoniana DC.] - KTZ  
[Anemone multifida Poir. var. sansonii B. Boivin] - KTZ  
[Anemone multifida Poir. subsp. saxicola (B. Boivin) W. A. Weber] - SF!, W&W  
[WJ - I doubt that this can be maintained considering the variable size and coloration of the typical variety]  
[Anemone multifida Poir. var. saxicola B. Boivin] - FNA, KTZ
- Anemone narcissiflora L. var. zephyra (A. Nelson) Dutton & Keener - Dorn01, FNA, KTZ, E/W  
[Anemonastrum narcissiflorum (L.) Holub subsp. zephyrum (A. Nelson) W. A. Weber] - SF!, W&W  
[Anemone narcissiflora L.] - RMC  
[Anemone zephyra A. Nelson] - HDH
- Anemone parviflora Michx. - Dorn01, FNA, HDH, SF!, UTF, W&W, E/W  
[Anemone parviflora Michx. var. parviflora] - KTZ
- Anemone patens L. var. multifida Pritz. - Dorn01, FNA, UTF, E/W  
[Anemone patens L.] - GPF  
[Pulsatilla ludoviciana (Nutt.) A. Heller] - HDH, W&W<sup>1</sup>  
[Pulsatilla patens (L.) Mill. subsp. hirsutissima Zämels] - SFW  
[Pulsatilla patens (L.) Mill. subsp. multifida (Pritz.) Zämels] - KTZ, SFE, W&W
- {Anemone virginiana L. var. riparia (Fernald) B. Boivin} - WJ, E  
{Anemone riparia Fernald} - SFE, W&W  
{Anemone virginiana L.} - GPF  
{Anemone virginiana L. var. alba (Oakes) A. W. Wood} - FNA, KTZ
- {Anemone virginiana L. var. virginiana} - FNA, KTZ  
{Anemone virginiana L.} - GPF

Anemonidium (see **Anemone**)

Aquilegia

(Identification sources: \_\_\_\_\_)

- Aquilegia barnebyi Munz - FNA, HDH, KTZ, SFW, UTF, W&W, W
- Aquilegia chrysantha A. Gray - FNA, HDH, UTF, E  
[Aquilegia chrysantha A. Gray var. rydbergii Munz] - KTZ, SFE, W&W
- Aquilegia coerulea X A. elegantula  
[WJ - See *Langenheim 885* [COLO], *Michener 460* [COLO], *Kelly 635* [KHD]]
- Aquilegia coerulea E. James var. coerulea - FNA, E/W  
[Aquilegia caerulea E. James var. caerulea] - HDH, KTZ, UTF  
[Aquilegia caerulea E. James var. daileyae Eastw.] - HDH, KTZ

- [*Aquilegia coerulea* E. James] - Dorn01, SF!, W&W<sup>1</sup>  
 [*Aquilegia coerulea* E. James ex Torr.] - W&W  
 [*Aquilegia coerulea* E. James var. *daileyae* Eastw.] - KTZ  
 [*Aquilegia coerulea* E. James forma *daileyae* (Eastw.) W. A. Weber] - SF!  
***Aquilegia coerulea* E. James var. *ochroleuca* Hook. - FNA**  
 [*Aquilegia caerulea* E. James var. *ochroleuca* Hook.] - HDH, KTZ, UTF  
 [*Aquilegia coerulea* E. James] - W&W<sup>1</sup>  
 [*Aquilegia coerulea* E. James ex Torr.] - W&W  
 {*Aquilegia desertorum* (M. E. Jones) A. Heller} - FNA  
 {*Aquilegia desertorum* (M. E. Jones) Cockerell ex A. Heller} - KTZ <AZ, NM, UT>  
 {*Aquilegia triternata* Payson} - HDH, KTZ <AZ, NM>, W&W, misid.  
***Aquilegia elegantula* Greene - FNA, HDH, KTZ, SF!, UTF, W&W, E/W**  
 {*Aquilegia flavescens* S. Watson var. *flavescens*} - FNA, KTZ, UTF  
 {*Aquilegia micrantha* X *A. elegantula*} - W&W  
 {*Aquilegia flavescens* S. Watson} - HDH, W&W<sup>1</sup>  
 ♦ *Aquilegia laramiensis* A. Nelson - **ENDEMIC** <WY>, Dorn01, FNA  
 ♦ *Aquilegia micrantha* Eastw. - **ENDEMIC** <CO>, FNA, SFW, UTF, W&W, W  
 [*Aquilegia ecalcarata* Eastw.] - SFW, spurless form  
 [*Aquilegia mancosana* (Eastw.) Cockerell] - SFW, spurless form  
 [*Aquilegia micrantha* Eastw. var. *mancosana* Eastw.] - HDH, KTZ  
 [*Aquilegia micrantha* Eastw. var. *micrantha*] - HDH, KTZ  
 {*Aquilegia pubescens* Coville} - FNA, KTZ, SFE not persisting, W&W, E  
 ♦ *Aquilegia saximontana* Rydb. - **ENDEMIC** <CO>, FNA, HDH, KTZ, SFE, E  
 [*Aquilegia saximontana* Rydb. ex B. L. Rob.] - W&W  
***Aquilegia scopulorum* Tidestr. var. *calcareae* (M. E. Jones) Munz} - KTZ <UT, WY>**  
 [*Aquilegia scopulorum* Tidestr.] - HDH, exp., - FNA, UTF

Atragene (see **Clematis**)

Batrachium (see **Ranunculus**)

- Caltha leptosepala* DC. - Dorn01, FNA, HDH, E/W**  
 [*Caltha leptosepala* DC. subsp. *leptosepala* var. *leptosepala*] - KTZ  
 [*Caltha leptosepala* DC. var. *leptosepala*] - UTF  
 [*Psychrophila leptosepala* (DC.) W. A. Weber] - SF!, W&W

Ceratocephala (see **Ranunculus**)

Clematis

(Identification sources: \_\_\_\_\_)

- Clematis columbiana* (Nutt.) Torr. & A. Gray var. *columbiana* - Dorn01, FNA, KTZ, E/W**  
 [*Atragene columbiana* Nutt.] - SF!, W&W  
 [*Clematis columbiana* (Nutt.) Torr. & A. Gray] - UTF  
 [*Clematis pseudoalpina* (Kuntze) A. Nelson] - GPF, HDH  
***Clematis columbiana* (Nutt.) Torr. & A. Gray var. *tenuiloba* (A. Gray) Pringle - Dorn01, FNA, KTZ, E/W**  
 [WJ - I think FNA may have treated this group incorrectly. *Clematis columbiana* is either *C. tenuiloba* or a hybrid between it and *C. grosseserrata*. Colorado plants called *C. columbiana* or *C. tenuiloba* are *C. pseudoalpina*]

- [*Atragene columbiana* Nutt.] - SF!, W&W  
 [Clematis columbiana (Nutt.) Torr. & A. Gray] - UTF  
 [Clematis tenuiloba (A. Gray) C. L. Hitchc.] - GPF  
 Clematis drummondii Torr. & A. Gray - FNA, GPF, KTZ  
 Clematis hirsutissima Pursh - Dorn01, GPF, UTF  
 [Clematis hirsutissima Pursh var. hirsutissima - FNA, HDH, KTZ, E/W  
 [Coriflora hirsutissima (Pursh) W. A. Weber] - SF!, W&W  
 Clematis ligusticifolia Nutt. - Dorn01, FNA, GPF, SF!, UTF, E/W  
 [Clematis ligusticifolia Nutt. var. ligusticifolia] - KTZ  
 [Clematis ligusticifolia Nutt. ex Torr. & A. Gray] - HDH, W&W  
 Clematis occidentalis (Hornem.) DC. var. grosseserrata (Rydb.) Pringle - FNA, KTZ, E/W  
 [WJ - *C. occidentalis* is northeastern. Western plants should be called *C. grosseserrata* but comb. nov. needed]  
 [Atragene occidentalis Hornem.] - SF!, W&W  
 [Clematis columbiana auct. non (Nutt.) Torr. & A. Gray] - HDH, fide W&W  
 {Clematis occidentalis (Hornem.) DC. var. occidentalis} - FNA, KTZ  
 {Atragene occidentalis Hornem.} - W&W  
 {Clematis occidentalis (Hornem.) DC.} - UTF  
 ∴ Clematis orientalis L. - FNA, HDH, KTZ, UTF, E/W  
 [Viticella orientalis (L.) W. A. Weber] - SF!, W&W  
 ◆ Clematis scottii Porter  
 [WJ - the reduction of this taxon to variety of *C. hirsutissima* by some is unjustified. The flowers are very different. It is endemic to sc CO and nc NM, where it displaces *C. hirsutissima*. RH (at RM) agrees with this assessment] [NS - KTZ reports this taxon also from WY, UT, NE, and as rare in SD and OK; further investigation is warranted]  
 [Clematis hirsutissima Pursh var. scottii (Porter) R. O. Erickson] - FNA, HDH, KTZ, E  
 [Clematis hirsutissima Pursh] - GPF  
 [Coriflora scottii (Porter) W. A. Weber] - W&W  
 [Coriflora scottii (Porter & Coult.) W. A. Weber] - SFE  
 [Viorna scottii (Porter) Rydb.] - KTZ

{*Coptis groenlandica* (Oeder) Fernald} - HDH, W&W, specimen from MN, FNA  
 {*Coptis trifolia* (L.) Salisb.} - KTZ

Coriflora (see **Clematis**)

Cyrtorhyncha (see **Ranunculus**)

Delphinium

(Identification sources: \_\_\_\_\_)

- Delphinium alpestre Rydb. - FNA, HDH, KTZ, E/W  
 [Delphinium racemosum Rydb. var. alpestre (Rydb.) W. A. Weber] - W&W  
 [Delphinium ramosum Rydb.] - SF!  
 Delphinium barbeyi (Huth) Huth - Dorn01, FNA, HDH, KTZ, W&W, E/W  
 [Delphinium barbeyi Huth] - SF!  
 [Delphinium occidentale (S. Watson) S. Watson var. barbeyi (Huth) S. L. Welsh] - UTF  
 Delphinium bicolor Nutt. - Dorn01, KTZ  
 Delphinium geyeri Greene - Dorn01, FNA, GPF, HDH, KTZ, SF!, UTF, W&W, E/W  
 Delphinium nuttallianum Pritz. - Dorn01, FNA, SF!, UTF, E/W  
 [Delphinium nelsonii Greene] - HDH, WJ



- [*Delphinium nuttallianum* Pritz. ex Walp.] - KTZ, W&W  
 [*Delphinium nuttallianum* Pritz. var. *nuttallianum*] - GPF  
 [*Delphinium nuttallianum* Pritz. ex Walp. var. *nuttallianum*] - RMC  
**Delphinium occidentale** (S. Watson) S. Watson - Dorn01, WJ, E/W  
 [*Delphinium glaucum* S. Watson] - FNA, KTZ, SF!, W&W<sup>1</sup>  
 [*Delphinium X occidentale* (S. Watson) S. Watson] - KTZ  
 [*Delphinium occidentale* (S. Watson) S. Watson subsp. *cucullatum* (A. Nelson) Ewan] – HDH, W&W  
 [*Delphinium occidentale* (S. Watson) S. Watson subsp. *quercicola* Ewan] - HDH, W&W  
 [*Delphinium occidentale* (S. Watson) S. Watson subsp. *occidentalis*] - HDH, W&W  
**Delphinium ramosum** Rydb.- Dorn01, FNA, HDH, KTZ, SF!, E/W  
 [WJ - I cannot separate *D. robustum* from *D. ramosum*]  
 [*Delphinium ramosum* Rydb. var. *ramosum*] - W&W  
 [*Delphinium robustum* Rydb.] - FNA, HDH, KTZ, SFE, W&W  
**Delphinium scaposum** Greene - FNA, HDH, KTZ, W  
 [*Delphinium andersonii* A. Gray var. *scaposum* (Greene) S. L. Welsh] - SFW, UTF, W&W  
**Delphinium virescens** Nutt. - GPF, WJ, E  
 [*Delphinium carolinianum* Walter subsp. *virescens* (Nutt.) R. E. Brooks] - FNA, KTZ, W&W<sup>1</sup>  
 [*Delphinium carolinianum* Walter subsp. *virescens* (Nutt.) M. C. Johnst.] - SFE, W&W  
 [*Delphinium penardii* Huth] - GPF, may be called  
 [*Delphinium virescens* Nutt. subsp. *penardii* (Huth) Ewan] - GPF, or may be called, HDH  
 {*Delphinium wootonii* Rydb.} -FNA,GPF?, KTZ, SFE, doubtfully distinct, W&W, E  
 {WJ - FNA in error, not in Colorado}  
 {*Delphinium virescens* Nutt. subsp. *wootonii* (Rydb.) Ewan} - GPF, HDH

**Halerpestes** (see **Ranunculus**)

**Hecatonia** (see **Ranunculus**)

- {*Myosurus apetalus* Gay var. *borealis* Whittem.} -FNA, KTZ, E/W  
 {*Myosurus apetalus* Gay} - SF!, W&W  
**Myosurus apetalus** Gay var. *borealis* Whittem. - Dorn01  
**Myosurus apetalus** Gay var. *montanus* (G. R. Campbell) Whittem. - Dorn01, FNA, KTZ, E/W  
 [*Myosurus apetalus* Gay] - SF!, UTF, W&W  
 [*Myosurus aristatus* Benth.] - GPF, HDH rep.,  
 [*Myosurus minimus* L. subsp. *montanus* Campbell] - HDH, W&W  
**Myosurus cupulatus** S. Watson - FNA, KTZ, UTF, W&W  
**Myosurus minimus** L. - Dorn01, FNA, GPF, KTZ, SF!, UTF, E/W  
 [*Myosurus minimus* L. subsp. *minimus*] - HDH, W&W  
 [*Myosurus minimus* L. var. *minimus*] - RMC  
**Myosurus nitidus** Eastw. - FNA, HDH rep., KTZ, SFW, UTF, W&W<sup>1</sup>, W  
 [*Myosurus cupulatus* S. Watson] - W&W

**Psychrophila** (see **Caltha**)

**Pulsatilla** (see **Anemone**)

**Ranunculus**

(Identification sources: \_\_\_\_\_)

- Ranunculus abortivus** L. - Dorn01, FNA, GPF, KTZ, E/W

- [*Ranunculus abortivus* L. var. *abortivus*] - HDH, W&W<sup>1</sup>, err. rep.  
 [*Ranunculus abortivus* L. subsp. *acrolasius* (Fernald) B. M. Kapoor & A. Löve] - SF!, W&W
- Ranunculus acriformis* A. Gray var. *acriformis* - Dorn01, FNA, HDH, KTZ, E/W  
 [*Ranunculus acriformis* A. Gray] - SF!, UTF, W&W
- Ranunculus acriformis* A. Gray var. *montanensis* (Rydb.) L. D. Benson - Dorn01, HDH exp., FNA, KTZ  
 {*Ranunculus acris* L.} - FNA, GPF, HDH, exp., KTZ, W&W  
 {*Ranunculus acris* L. var. *acris*} - UTF
- Ranunculus adoneus* A. Gray - Dorn01, FNA, SF!, W&W, E/W  
 [*Ranunculus adoneus* A. Gray var. *adoneus*] - HDH, KTZ  
 [*Ranunculus adoneus* A. Gray var. *alpinus* (S. Watson) L. D. Benson] - HDH, KTZ, UTF
- Ranunculus alismifolius* Geyer ex Benth. var. *montanus* S. Watson - Dorn01, FNA, HDH, Hartman06, KTZ, W&W, E/W  
 [*Ranunculus alismifolius* Geyer var. *montanus* S. Watson] - SF!, UTF
- Ranunculus aquatilis* L. var. *diffusa* With. - Dorn01, FNA, E/W  
 [*Batrachium circinatum* (Sibth.) Fr. subsp. *subrigidum* (E. Drew) A. Löve & D. Löve] - SF!, W&W  
 [*Batrachium longirostre* (Godron) F. Schultz] - SF!, W&W  
 [*Batrachium trichophyllum* (Chaix) Bosch] - SF!, W&W  
 [*Ranunculus aquatilis* L. var. *capillaceus* (Thuill.) DC.] - HDH, UTF  
 [*Ranunculus aquatilis* L. var. *eradicatus* Laestad.] - HDH  
 [*Ranunculus aquatilis* L. var. *longirostris* (Godr.) C. Lawson] - UTF  
 [*Ranunculus aquatilis* L. var. *subrigidus* (E. Drew) Breiting] - UTF  
 [*Ranunculus circinatus* Sibth. var. *subrigidus* (E. Drew) L. D. Benson] - HDH  
 [*Ranunculus longirostris* Godr.] - GPF, HDH, KTZ  
 [*Ranunculus subrigidus* W. B. Drew] - GPF  
 [*Ranunculus trichophyllum* Chaix var. *trichophyllum*] - KTZ
- {*Ranunculus arvensis* L.} - HDH exp., FNA, GPF, KTZ <KS, UT>, UTF
- Ranunculus cardiophyllum* Hook. - Dorn01, FNA, GPF, KTZ, SF!, UTF, W&W, E/W  
 [*Ranunculus cardiophyllum* Hook. var. *cardiophyllum*] - HDH  
 [*Ranunculus cardiophyllum* Hook. var. *coloradensis* L. D. Benson] - HDH  
 [*Ranunculus coloradensis* (L. D. Benson) L. D. Benson] - KTZ
- Ranunculus cymbalaria* Pursh - Dorn01, FNA, GPF, KTZ, UTF, E/W  
 [*Halerpestes cymbalaria* (Pursh) Greene subsp. *saximontana* (Fernald) Moldenke] -SF!, W&W  
 [*Ranunculus cymbalaria* Pursh var. *saximontanus* Fernald] - Dorn01, HDH, SF!
- Ranunculus eschscholtzii* Schldl. var. *eschscholtzii* - Dorn01, FNA, HDH, KTZ, UTF, E/W  
 [*Ranunculus eschscholtzii* Schldl.] - SF!, W&W
- Ranunculus eschscholtzii* Schldl. var. *eximius* (Greene) L. D. Benson - Dorn01, FNA, HDH rep.,  
 [*Ranunculus eschscholtzii* Schldl.] - W&W<sup>1</sup>  
 [*Ranunculus eximius* Greene] - KTZ <AZ, UT, WY>
- {*Ranunculus fascicularis* Muhl. ex Bigelow} - FNA, GPF, KTZ  
 {*Ranunculus fascicularis* Muhl. ex Bigelow var. *apricus* (Greene) Fernald} -HDH rep., W&W err. rep.
- {*Ranunculus flabellaris* Raf.} - FNA, GPF, HDH, KTZ, UTF, W&W, misid.
- Ranunculus flammula* L. var. *ovalis* (Bigelow) L. D. Benson - FNA, GPF, HDH  
 [*Ranunculus flammula* L.] - UTF  
 [*Ranunculus flammula* L. var. *filiformis* (Michx.) Hook.] - HDH, KTZ  
 [*Ranunculus flammula* L. var. *flammula*] - KTZ  
 [*Ranunculus flammula* L. var. *reptans* (L.) Meyer] - Dorn01 (presumably using different varietal name for same taxon)  
 [*Ranunculus reptans* L. var. *ovalis* Torr. & A. Gray] - W&W
- Ranunculus gelidus* Karilin & Karilow - FNA, HDH, SF!, UTF, W&W<sup>1</sup>, Eurasian, E/W  
 [*Ranunculus gelidus* Karilin & Karilow subsp. *grayi* (Britton) Hultén] - W&W  
 [*Ranunculus karelinii* Czern.] - KTZ

- Ranunculus glaberrimus* Hook. var. *ellipticus* (Greene) Greene - Dorn01, FNA, KTZ, E/W  
 [Ranunculus glaberrimus Hook. var. ellipticus Greene] - GPF, HDH, SF!, UTF, W&W  
 [Ranunculus oreogenes Greene] - HDH rep., KTZ, UTF
- Ranunculus gmelinii* DC. - Dorn01, FNA, KTZ, UTF, E/W  
 [Ranunculus gmelinii DC. var. hookeri (D. Don) L. D. Benson] - GPF, HDH, SF!, W&W  
 [Ranunculus gmelinii DC. var. limosus (Nutt.) H. Hara] - GPF  
 [Ranunculus gmelinii DC. var. purshii (Richardson) H. Hara] - RMC
- Ranunculus hyperboreus* Rottb. - Dorn01, FNA, KTZ, UTF, E/W  
 [Ranunculus hyperboreus R. Br. subsp. intertextus (Greene) B. M. Kapoor & A. Löve] - SFW  
 [Ranunculus hyperboreus Rottb. subsp. intertextus (Greene) B. M. Kapoor & A. Löve] - SFE, W&W  
 [Ranunculus natans C. A. Mey.] - UTF  
 [Ranunculus natans C. A. Mey. var. intertextus (Greene) L. D. Benson] - HDH
- Ranunculus inamoenus* Greene var. *alpeophilus* (A. Nelson) L. D. Benson - Dorn01
- Ranunculus inamoenus* Greene var. *inamoenus* - Dorn01, FNA, HDH, KTZ, E/W  
 [Ranunculus inamoenus Greene] - GPF, SF!, UTF, W&W  
 [Ranunculus inamoenus Greene var. alpeophilus (A. Nelson) L. D. Benson] - HDH, KTZ
- Ranunculus jovis* A. Nelson - Dorn01, FNA, HDH rep., KTZ, SFW, UTF, W&W, W
- Ranunculus macauleyi* A. Gray - FNA, SF!, W&W, E/W  
 [Ranunculus macauleyi A. Gray var. brandegei L. D. Benson] - HDH, KTZ  
 [Ranunculus macauleyi A. Gray var. macauleyi] - HDH, KTZ
- Ranunculus macounii* Britton - Dorn01, FNA, GPF, HDH, KTZ, SF!, UTF, W&W, E/W  
 {Ranunculus micranthus Nutt.} - GPF, FNA, KTZ <KS, OK>  
 {Ranunculus micranthus Nutt. ex Torr. & A. Gray} - HDH rep., W&W, rep.  
 {Ranunculus nivalis L.} - FNA, HDH rep., KTZ, SFW, W
- Ranunculus pedatifidus* J. E. Sm. var. *affinis* (R. Br.) L. D. Benson - Dorn01, FNA, KTZ, E/W  
 [Ranunculus pedatifidus J. E. Sm.] - HDH, SF!, W&W  
 [Ranunculus pedatifidus J. E. Sm. ex Rees] - UTF
- Ranunculus pensylvanicus* L. f. - Dorn01, FNA, GPF, HDH, KTZ, W&W, no specimens seen
- Ranunculus pygmaeus* Wahlenb. - Dorn01, FNA, HDH, SF!, UTF, W&W, E/W  
 [Ranunculus pygmaeus Wahlenb. var. pygmaeus] - KTZ
- Ranunculus ranunculinus* (Nutt.) Rydb. - Dorn01, FNA, HDH, KTZ, UTF, E/W  
 [Cyrtochrysa ranunculina Nutt.] - SF!  
 [Cyrtochrysa ranunculina Nutt. ex Torr. & A. Gray] - W&W
- ∴ *Ranunculus repens* L. - Dorn01, FNA, Hartman06, KTZ, SF!, W&W, E/W  
 [Ranunculus repens L. var. repens] - HDH, UTF, W&W<sup>1</sup>, European
- Ranunculus sceleratus* L. var. *multifidus* Nutt. - Dorn01, FNA, GPF, HDH, KTZ, UTF, E/W  
 [Hecatonia scelerata (L.) Fourr.] - SF!, W&W  
 {Ranunculus sceleratus L. var. sceleratus} - FNA, GPF, KTZ <KS, NE, OK>, E/W  
 {Hecatonia scelerata (L.) Fourr.} - SF!, W&W
- ∴ *Ranunculus testiculatus* Crantz - Dorn01, FNA, GPF, HDH, UTF, E/W  
 [Ceratocephala orthoceras DC.] - SF!, W&W  
 [Ceratocephala testiculata (Crantz) Besser] - KTZ
- Ranunculus uncinatus* D. Don - Dorn01, FNA, SF!, E/W  
 [Ranunculus uncinatus D. Don var. uncinatus] - HDH, rep.  
 [Ranunculus uncinatus D. Don ex G. Don var. uncinatus] - KTZ  
 [Ranunculus uncinatus D. Don var. earlei (Greene) L. D. Benson] - HDH, W&W  
 [Ranunculus uncinatus D. Don ex G. Don var. earlei (Greene) L. D. Benson] - KTZ  
 [Ranunculus uncinatus D. Don var. parviflorus (Torr.) L. D. Benson] - HDH, W&W  
 [Ranunculus uncinatus D. Don ex G. Don var. parviflorus (Torr.) L. D. Benson] - KTZ

## Thalictrum

(Identification sources: \_\_\_\_\_)

*Thalictrum alpinum* L. - Dorn01, FNA, KTZ, SF!, UTF, W&W, E/W

[*Thalictrum alpinum* L. var. *hebetum* B. Boivin] - HDH

*Thalictrum dasycarpum* Fisch. & Avé-Lall. - Dorn01, FNA, GPF, KTZ, SF!, W&W, E/W

[*Thalictrum dasycarpum* Fisch. & Avé-Lall. ex Fisch., May., & Avé-Lall.] - HDH

*Thalictrum fendleri* Engelm. ex A. Gray - Dorn01, FNA, HDH, UTF, W&W, E/W

[*Thalictrum fendleri* Engelm.] - SF!

[*Thalictrum fendleri* Engelm. ex A. Gray var. *fendleri*] - KTZ

◆ *Thalictrum heliophilum* Wilken & DeMott - **ENDEMIC**<CO>, FNA, KTZ, SFW, W&W, W

*Thalictrum occidentale* A. Gray - FNA, UTF

[*Thalictrum occidentale* A. Gray var. *occidentale*] - KTZ <WY>

*Thalictrum revolutum* DC. - FNA, KTZ, W&W

*Thalictrum sparsiflorum* Turcz. ex Fisch. & C. A. Mey. - FNA, E/W

[*Thalictrum sparsiflorum* Turcz.] - SF!

[*Thalictrum sparsiflorum* Turcz. ex Fisch. & Avé-Lall.] - W&W

[*Thalictrum sparsiflorum* Turcz. ex Fisch. & C. A. Mey. var. *saximontanum* B. Boivin] - Dorn01, KTZ

[*Thalictrum sparsiflorum* Turcz. ex Fisch., C. A. Mey., & Avé-Lall. var. *saximontanum* B. Boivin] - HDH

*Thalictrum venulosum* Trel. - Dorn01, FNA, GPF, HDH, KTZ, W&W

*Trautvetteria caroliniensis* (Walter) Vail - FNA, HDH, SF!, UTF, W&W, E/W

[*Trautvetteria caroliniensis* (Walter) Vail var. *occidentalis* (A. Gray) C. L. Hitchc.] - KTZ

*Trollius albiflorus* (A. Gray) Rydb. - Dorn01, FNA, SF!, W&W, E/W

[*Trollius laxis* Salisb.] - UTF

[*Trollius laxis* Salisb. subsp. *albiflorus* (A. Gray) A. Löve, D. Löve, & B. M. Kapoor]-KTZ

[*Trollius laxis* Salisb. var. *albiflorus* A. Gray] - HDH

Viorna (see **Clematis**)

Viticella (see **Clematis**)

## Resedaceae - RSD

∴ *Reseda lutea* L. - Dorn01, GPF, HDH, KTZ, SFE, UTF, W&W, E

∴ *Reseda luteola* L. - KTZ, SFE, W&W, E

[NS - Collected recently in Jefferson County {fide WJ} in disturbed habitat, and in Weld County on the UNC campus, where it is well established around Ross Hall. Likely to be found elsewhere]

## Rhamnaceae - RHM

*Ceanothus fendleri* A. Gray - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Ceanothus herbaceus* Raf. - KTZ, SFE, W&W, E

[*Ceanothus herbaceus* Raf. var. *pubescens* (Torr. & A. Gray) Shinnery] - GPF

[*Ceanothus ovatus* Desf.] - HDH

*Ceanothus martinii* M. E. Jones - Dorn01, HDH, rep. IMF, KTZ, SFW, UTF, W&W, W

*Ceanothus velutinus* Douglas ex Hook. var. *velutinus* - IMF, KTZ, E/W

[*Ceanothus velutinus* Douglas] - Dorn01, GPF, SF!, UTF

Frangula (see **Rhamnus**)

Rhamnus betulifolia Greene - FCF, IMF, UTF

[Frangula betulifolia (Greene) Grubov subsp. betulifolia] - KTZ <AZ, NM, UT>

[Rhamnus betulifolia Greene] - HDH, exp.

∴ Rhamnus cathartica L. - Dorn01, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E

∴ Rhamnus frangula L. - IMF, E

[Frangula alnus Mill.] - KTZ, SFE, W&W

Rhamnus smithii Greene - KTZ, SFW, W&W, W

[Rhamnus smithii Greene var. smithii] - HDH

## Rosaceae - ROS

(Identification sources: \_\_\_\_\_)

Acomastylis (see **Geum**)

Agrimonia gryposepala Wallr. - KWA, M&H, KTZ, GPF, HDH exp.

Agrimonia striata Michx. - Dorn01, GPF, HDH, KTZ, SF!, W&W, E/W

{Alchemilla alpina L.} - HDH rep., KTZ, W&W labels mixed

Alchemilla vulgaris L. - KWA

[NS - See MacKay72; should confirm specimens, as otherwise only reported from New England and NE Canada]

[Alchemilla filicaulis subsp. vestita (Buser) M.E. Bradshaw ] - KTZ

[Alchemilla minor Huds.] - M&H, KTZ

[Alchemilla vulgaris var. vestita (Buser) Murb. ] - KTZ

Amelanchier alnifolia (Nutt.) Nutt. ex M. Roem. var. alnifolia - Dorn01, IMF, KTZ, E/W

[Amelanchier alnifolia Nutt.] - GPF, HDH, SF!, W&W

[Amelanchier alnifolia (Nutt.) Nutt.] - UTF

Amelanchier alnifolia (Nutt.) Nutt. ex Roem. var. pumila (Torr. & A. Gray) A. Nelson - Dorn01, E/W

[Amelanchier alnifolia Nutt.] - SF!, W&W

[Amelanchier alnifolia (Nutt.) Nutt.] - UTF

[Amelanchier alnifolia (Nutt.) Nutt. ex Roem. var. pumila (Nutt.) A. Nels.] - IMF

[Amelanchier pumila (Torr. & A. Gray) Nutt. ex M. Roemer] - KTZ

[Amelanchier pumila Nutt. ex Torr. & A. Gray] - HDH

Amelanchier utahensis Koehne - Dorn01, HDH, SF!, UTF, W&W, E/W

[Amelanchier utahensis Koehne var. utahensis] - IMF, KTZ

Argentina (see **Potentilla**)

Armeniaca (see **Prunus**)

Cerasus (see **Prunus**)

Cercocarpus breviflorus Gray - KWA, JM

[Cercocarpus montanus var. paucidentatus (S. Wats.) F.L. Martin ] - KTZ, M&H

[Cercocarpus paucidentatus (Wats.) Britt.] - M&H, KWA

- Cercocarpus ledifolius* Nutt. var. *intercedens* C. K. Schneid. - Dorn01, KTZ, W  
 [Cercocarpus ledifolius Nutt.] - SFW  
 [Cercocarpus ledifolius Nutt. ex Torr. & A. Gray var. *intercedens* C. K. Schneid.] - IMF, possible hybrid  
 [Cercocarpus ledifolius Nutt. var. *intermontanus* N. H. Holmgren] - KTZ  
 [Cercocarpus ledifolius Nutt. ex Torr. & A. Gray var. *intermontanus* N. H. Holmgren] - IMF
- Cercocarpus ledifolius* Nutt. var. *intricatus* (S. Watson) M. E. Jones - Dorn01, W  
 [Cercocarpus intricatus S. Watson] - HDH, IMF, KTZ, SFW, W&W
- Cercocarpus ledifolius* Nutt. var. *ledifolius* - Dorn01, KTZ, W  
 [Cercocarpus ledifolius Nutt.] - SFW, UTF  
 [Cercocarpus ledifolius Nutt. ex Torr. & A. Gray] - HDH, W&W  
 [Cercocarpus ledifolius Nutt. ex Torr. & A. Gray var. *ledifolius*] - IMF
- {*Cercocarpus montanus* Raf. var. *argenteus* (Rydb.) F. L. Martin} - GPF, KTZ, E/W  
 {*Cercocarpus fothergilloides* Kunth} - W&W<sup>1</sup>, misid.  
 {*Cercocarpus montanus* Raf.} - HDH, SF!, W&W
- Cercocarpus montanus* Raf. var. *montanus* - IMF, KTZ, E/W  
 [Cercocarpus montanus Raf.] - Dorn01, HDH, SF!, UTF, W&W
- Chamaerhodos erecta* (L.) Bunge var. *parviflora* (Nutt.) C. L. Hitchc. - Dorn01, GPF, see IMF, E/W  
 [Chamaerhodos erecta (L.) Bunge] - IMF  
 [Chamaerhodos erecta (L.) Bunge subsp. *nuttallii* (Pickering) Hultén] - SF!  
 [Chamaerhodos erecta (L.) Bunge subsp. *nuttallii* (Pickering ex Rydb.) Hultén] - KTZ, W&W  
 [Chamaerhodos erecta Bunge var. *parviflora* (Nutt.) C. L. Hitchc.] - UTF  
 [Chamaerhodos nuttallii (Torr. & A. Gray) Pickering] - HDH
- Coleogyne ramosissima* Torr. -HDH, IMF, KTZ, **SFW**, UTF, W&W, **W**
- Comarum (see **Potentilla**)
- Δ *Cotoneaster acutifolia* Turcz. - Dorn01
- Cowania (see **Purshia**)
- Crataegus chrysoarpa* Ashe var. *chrysoarpa* - KTZ, Phipps98  
 [Crataegus chrysoarpa Ashe] - Dorn01, HDH, IMF, UTF, W&W  
 [Crataegus columbiana Howell var. *chrysoarpa* (Ashe) Dorn] - RMC  
 [Crataegus rotundifolia Moench] - GPF
- Crataegus douglasii* Lindl. var. *rivularis* (Nutt.) Sarg. -IMF, UTF, E/W  
 [Crataegus douglasii Lindl.] - Dorn01 [but not for SRMR]  
 [Crataegus rivularis Nutt.] - Dorn01, HDH, KTZ, SF!, W&W
- Crataegus erythropoda* Ashe - Dorn01, HDH, IMF, KTZ, SF!, W&W, Phipps98, E/W
- Crataegus macracantha* Lodd. ex Loud. var. *occidentalis* (Britton) Eggleston - Dorn01, Phipps98, E/W  
 [Crataegus columbiana Howell var. *occidentalis* (Britton) Dorn] - RMC  
 [Crataegus macracantha Lodd. var. *occidentalis* (Britton) Eggleston] - SF!, W&W  
 [Crataegus succulenta Schrad. var. *occidentalis* (Britton) E. J. Palm] - GPF  
 [Crataegus succulenta Schrad. ex Link] - HDH, IMF, KTZ, UTF, W&W
- Crataegus saligna* Greene - HDH, KTZ, SFW, W&W, W, Phipps99  
 [NS - Tim Dickinson {pers. comm., 2007} indicates this species also occurs in Duchesne Co., UT}; as such it is no longer counted as a regional endemic. See Beatty04 for its conservation assessment]  
 [Crataegus douglasii Lindl. var. *duschesnesis* S. L. Welsh] - UT3

Cylactis (see **Rubus**)

Dasiphora (see **Potentilla**)

Dryas octopetala L. var. hookeriana (Juz.) Breit. - Dorn01, IMF, UTF, E/W  
[Dryas octopetala L.] - HDH  
[Dryas octopetala L. subsp. hookeriana (Juz.) Hultén] - KTZ, SF!, W&W

Drymocallis (see **Potentilla**)

Erythrocoma (see **Geum**)

Fallugia paradoxa (D. Don) Endl. ex Torr. - KTZ, E  
[Fallugia paradoxa (D. Don) Endl.] - GPF, HDH, IMF, SFE, UTF, W&W

Filipendula ulmaria (L.) Maxim. var. denudata (J. Presl & C. Presl) Hayne ex Maxim. - E  
[Filipendula ulmaria (L.) Maxim. subsp. denudata (J. Presl & C. Presl) Hayek] - KTZ  
[Filipendula ulmaria (L.) Maxim. var. denudata (Hayne) Maxim.] - SFE

Fragaria vesca L. - Dorn01, E/W  
[Fragaria americana (Porter) Britton] - HDH  
[Fragaria vesca L. subsp. americana (Porter) Staudt] - KTZ  
[Fragaria vesca L. var. americana Porter] - GPF  
[Fragaria vesca L. subsp. bracteata (A. Heller) Staudt] - KTZ, SF!, W&W  
[Fragaria vesca L. var. bracteata (A. Heller) R. J. Davis] - IMF, UTF

Fragaria virginiana Mill. - Dorn01, E/W  
[Fragaria ovalis (Lehmann) Rydb.] - HDH  
[Fragaria virginiana Duchn.] - GPF  
[Fragaria virginiana Mill. subsp. glauca (S. Watson) Staudt] - SF!, W&W  
[Fragaria virginiana Duchn. subsp. glauca (S. Watson) Staudt] - KTZ  
[Fragaria virginiana Duchn. var. glauca S. Watson] - UTF  
[Fragaria virginiana Mill. var. glauca S. Watson] - IMF  
[Fragaria virginiana Duchn. subsp. platypetala (Rydb.) Staudt] - KTZ  
[Fragaria virginiana Mill. var. platypetala (Rydb.) H. M. Hall] - IMF

Geum

(Identification sources: \_\_\_\_\_)

Geum aleppicum Jacq. - Dorn01, GPF, IMF, KTZ, SF!, UTF, E/W  
[Geum aleppicum Jacq. subsp. strictum (Aiton) Clausen] - W&W  
[Geum strictum Aiton var. decurrens (Rydb.) Kearney & Peebles] - HDH  
[Geum strictum Aiton var. strictum] - HDH

Geum macrophyllum Willd. var. perincisum (Rydb.) Raup - Dorn01, GPF, HDH, IMF, KTZ,  
E/W  
[Geum macrophyllum Willd. subsp. macrophyllum] - SF!  
[Geum macrophyllum Willd. subsp. perincisum (Rydb.) Hultén] - SF!  
[Geum macrophyllum Willd. var. perincisum Raup] - W&W

Geum rivale L. - Dorn01, GPF, HDH, KTZ, SF!, W&W, E/W

Geum rossii (R. Br.) Ser. var. turbinatum (Rydb.) C. L. Hitchc. - Dorn01, IMF, KTZ, UTF, E/W

[*Acomastylis rossii* (R. Br.) Greene subsp. *turbinata* (Rydb.) W. A. Weber] - SF!, W&W  
[*Geum turbinatum* Rydb.] - HDH

*Geum triflorum* Pursh var. *ciliatum* (Pursh) Fass. - Dorn01, GPF, IMF, KTZ, UTF, E/W  
[*Erythrocoma triflora* (Pursh) Greene] - SF!, W&W  
[*Geum ciliatum* Pursh var. *ciliatum*] - HDH

*Geum triflorum* Pursh var. *triflorum* - Dorn01, GPF, Hartman06, IMF, KTZ, UTF, E/W  
[*Erythrocoma triflora* (Pursh) Greene] - SF!, W&W  
[*Geum ciliatum* Pursh var. *griseum* (Greene) Kearney & Peebles] - HDH exp.

*Holodiscus dumosus* (Nutt. ex Hook.) A. Heller var. *dumosus* - IMF, E/W  
[*Holodiscus discolor* (Pursh) Maxim.] - SF!, W&W<sup>1</sup>  
[*Holodiscus dumosus* (Nutt.) A. Heller] - UTF  
[*Holodiscus dumosus* (Nutt. ex Hook.) A. Heller] - Dorn01, KTZ, W&W  
[*Holodiscus dumosus* (Nutt.) A. Heller var. *australis* (A. Heller) Ley] - HDH  
[*Holodiscus dumosus* (Nutt.) A. Heller var. *dumosus*] - HDH  
[*Holodiscus microphyllus* Rydb. var. *microphyllus*] - HDH

*Ivesia gordonii* (Hook.) Torr. & A. Gray - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

∴ *Malus pumila* Mill. - Dorn01, HDH, IMF, KTZ, UTF  
[NS - occasionally established outside of cultivation, e.g. Poudre Canyon in Larimer Co., CO]  
[*Malus domestica* Borkh.] - W&W

*Oreobatus* (see **Rubus**)

*Padus* (see **Prunus**)

*Pentaphylloides* (see **Potentilla**)

*Peraphyllum ramosissimum* Nutt. - HDH, IMF, KTZ, SFW, UTF, W  
[*Peraphyllum ramosissimum* Nutt. ex Torr. & A. Gray] - W&W

*Petrophyton caespitosum* (Nutt.) Rydb. var. *caespitosum* - KTZ, W  
[*Petrophyton caespitosum* (Nutt.) Rydb.] - Dorn01, IMF, SFW, UTF, W&W  
[*Petrophyton caespitosum* (Nutt.) Rydb.] - GPF, UTF  
[*Spiraea caespitosa* Nutt.] - HDH

*Physocarpus alternans* (M. E. Jones) Howell var. *alternans* - W  
[*Physocarpus alternans* (M. E. Jones) Howell subsp. *alternans*] - KTZ  
[*Physocarpus alternans* (M. E. Jones) Howell] - Dorn01, HDH, IMF, SFW, UTF, W&W

*Physocarpus malvaceus* (Greene) Kuntze - Dorn01, HDH exp., IMF, KTZ, UTF

*Physocarpus monogynus* (Torr.) J. M. Coult. - Dorn01, GPF, HDH, IMF, KTZ, SF!, W&W, E/W

*Physocarpus opulifolius* (L.) Maxim. var. *intermedius* (Rydb.) B. L. Rob. - KTZ, E  
[*Physocarpus intermedius* (Rydb.) C. K. Schneid.] - HDH  
[*Physocarpus opulifolius* (L.) Maxim.] - SFE, W&W  
[*Physocarpus opulifolius* (L.) Raf.] - IMF, UTF  
[*Physocarpus opulifolius* (L.) Raf. var. *intermedius* (Rydb.) B. L. Rob.] - GPF

*Potentilla*

(Identification sources: \_\_\_\_\_)



- Potentilla ambigens Greene - Dorn01, HDH, KTZ, SFE, W&W, E  
 ∴ Potentilla anglica Laicharding - IMF, KTZ, SFE, W&W, E  
 Potentilla anserina L. - Dorn01, GPF, IMF, UTF, E/W  
 [Argentina anserina (L.) Rydb.] - KTZ, SF!  
 [Argentina anserina (L.) Rydb. var. anserina] - W&W  
 [Argentina anserina (L.) Rydb. var. concolor (Ser.) Rydb.] - SFE, W&W  
 [Potentilla anserina L. var. anserina] - HDH  
 [Potentilla anserina L. var. sericea (L.) Hayne] - HDH  
 ∴ Potentilla argentea L. var. argentea - KTZ, E  
 [Potentilla argentea L.] - Dorn01, GPF, SFE, W&W  
 Potentilla arguta Pursh var. arguta - IMF, UTF, E/W  
 [Drymocallis arguta (Pursh) Rydb.] - SF!, W&W  
 [Potentilla arguta Pursh] - Dorn01, GPF  
 [Potentilla arguta Pursh subsp. arguta] - HDH, KTZ  
 Potentilla arguta Pursh var. convallaria (Rydb.) T. F. Wolf - IMF, UTF, E/W  
 [Drymocallis arguta (Pursh) Rydb.] - SF!, W&W  
 [Potentilla arguta Pursh] - GPF  
 [Potentilla arguta Pursh subsp. convallaria (Rydb.) D. D. Keck] - HDH, KTZ  
 Potentilla biennis Greene - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 Potentilla bipinnatifida Douglas ex Hook. - Dorn01, IMF, KTZ  
 [Potentilla pensylvanica L.] - GPF, HDH, W&W<sup>1</sup>  
 [Potentilla pensylvanica L. var. pensylvanica] - W&W  
 Potentilla concinna Richardson var. bicrenata (Rydb.) S. L. Welsh & B. C. Johnst. - Dorn01,  
 KTZ, SF!, UTF, W&W, E/W  
 [Potentilla bicrenata Rydb.] - IMF  
 [Potentilla concinna Richardson] - HDH  
 Potentilla concinna Richardson var. concinna - Dorn01, GPF, KTZ, SF!, UTF, W&W, E/W  
 [Potentilla concinna Richardson] - HDH, IMF, SF!  
 [Potentilla concinna Richardson var. divisa Rydb.] - GPF  
 [Potentilla quinquefolia Rydb.] - HDH  
 Potentilla crinita A. Gray var. crinita - KTZ, W  
 [Potentilla crinita A. Gray] - HDH, IMF, SFW, UTF, W&W  
 Potentilla diversifolia Lehm. var. diversifolia - Dorn01, GPF, IMF, KTZ, UTF, E/W  
 [Potentilla diversifolia Lehm.] - HDH, SF!, W&W  
 Potentilla diversifolia Lehm. var. perdissecta (Rydb.) Hitchc. - Dorn01; Smith09?  
 Potentilla fissa Nutt. - Dorn01, GPF, HDH, Hartman06, IMF, KTZ, E/W  
 [Drymocallis fissa (Nutt.) Rydb.] - SF!, W&W  
 Potentilla fruticosa L. - GPF, HDH, UTF, E/W  
 [Dasiphora floribunda (Pursh) Raf.] - W&W<sup>1</sup>  
 [Dasiphora fruticosa (L.) Rydb. subsp. floribunda (Pursh) Kartesz] - KTZ  
 [Pentaphylloides floribunda (Pursh) A. Löve] - Dorn01, SF!, W&W  
 [Pentaphylloides fruticosa (L.) O. Schwarz] - IMF  
 {Potentilla glandulosa Lindl. var. glandulosa} - GPF, E/W  
 {Drymocallis glandulosa (Lindl.) Rydb.} - SF!, W&W  
 Potentilla glandulosa Lindl. var. intermedia (Rydb.) C. L. Hitchc.] - Dorn01, GPF, UTF  
 Potentilla glandulosa Lindl. var. pseudorupestris Rydb.) Breit. - Dorn01, GPF, IMF  
 Potentilla gracilis Douglas ex Hook. var. brunnescens (Rydb.) C. L. Hitchc. - Dorn01, KTZ, E/W  
 [Potentilla gracilis Douglas var. brunnescens (Rydb.) C. L. Hitchc.] - SF!  
 [Potentilla brunnescens Rydb.] - HD  
 [Potentilla gracilis Douglas] - W&W  
 Potentilla gracilis Douglas ex Hook. var. elmeri (Rydb.) Jeps.] - Dorn01, IMF, GREE (*Johnston*

- & *Hedgcock 1012*)  
 [Potentilla pectinisecta Rydb.] - HDH, KTZ, W&W, err. rep.  
 Potentilla gracilis Douglas ex Hook. var. fastigiata (Nutt.) S. Watson - Dorn01, IMF, KTZ, E/W  
 [Potentilla gracilis Douglas var. glabrata (Lehm.) C. L. Hitchc.] - SF!  
 [Potentilla gracilis Douglas ex Hook. var. glabrata (Lehm.) C. L. Hitchc.] - UTF, W&W<sup>1</sup>, err. rep.  
 Potentilla gracilis Douglas ex Hook. var. flabelliformis (Lehm.) Nutt. ex Torr. & A. Gray -  
 Dorn01, IMF, KTZ, W  
 [Potentilla flabelliformis Lehmann] - SFW, W&W  
 [Potentilla gracilis Douglas ex Hook.] - GPF  
 [Potentilla gracilis Douglas ex Hook. var. flabelliformis (Lehm.) Nutt. ex Torr. & A. Gray] - KTZ  
 Potentilla gracilis Douglas ex Hook. var. nuttallii (Lehm.) E. Sheld. - E/W  
 [Potentilla gracilis Douglas] - W&W  
 [Potentilla gracilis Douglas var. glabrata (Lehm.) C. L. Hitchc.] - SF!  
 [Potentilla gracilis Douglas ex Hook. var. fastigiata (Nutt.) S. Watson] - IMF, KTZ  
 [Potentilla gracilis Douglas ex Hook. subsp. nuttallii (Rydb.) D. D. Keck] - HDH  
 [Potentilla gracilis Douglas ex Hook. var. glabrata (Lehm.) C. L. Hitchc.] - GPF, UTF  
 Potentilla gracilis Douglas ex Hook. var. pulcherrima (Lehm.) Fernald - IMF, UTF, E/W  
 [Potentilla gracilis Douglas ex Hook.] - GPF  
 [Potentilla pulcherrima Lehm.] - HDH, KTZ, SF!, W&W  
 Potentilla gracilis var. pulcherrima X P. hippiana  
 [Potentilla hippiana Lehm. var. hippiana X P. gracilis Douglas ex Hook. var. pulcherrima (Lehm.) Fernald - SF!,  
 E/W]  
 Potentilla hippiana Lehm. var. effusa (Dougl. ex Lehm.) Dorn - Dorn01  
 [Potentilla effusa Douglas] - KTZ, SF!  
 [Potentilla effusa Douglas ex Lehm.] - W&W  
 [Potentilla effusa Douglas ex Lehm. var. effusa] - E/W  
 [Potentilla hippiana Lehm.] - KWA, M&H, GPF, HDH  
 Potentilla hippiana Lehm. var. hippiana - Dorn01, KTZ, E/W  
 [Potentilla hippiana Lehm.] - GPF, HDH, IMF, SF!, UTF, W&W  
 Potentilla hookeriana Lehm. - Dorn01, IMF, SF!, W&W, E/W  
 [Potentilla hookeriana Lehm. subsp. hookeriana] - KTZ  
 [Potentilla rubricaulis Lehm.] - UTF  
 Potentilla multisecta (Wats.) Rydb. - Dorn01  
 Potentilla nivea L. var. nivea - KTZ, E/W  
 [Potentilla nivea L.] - Dorn01, HDH, IMF, SF!, UTF, W&W  
 [Potentilla prostrata Rottboel subsp. floccosa Soják] - W&W<sup>1</sup>  
 Potentilla nivea L. var. pentaphylla Lehm. - KTZ  
 [Potentilla nivea L.] - HDH, UTF, W&W  
 Potentilla norvegica L. subsp. monspeliensis (L.) Asch. & Graebn. - KTZ, E/W  
 [Potentilla monspeliensis L.] - HDH  
 [Potentilla norvegica L.] - Dorn01, GPF, IMF, SF!, UTF, W&W  
 [Potentilla norvegica L. var. hirsuta (Michx.) Lehm.] - see IMF  
 Potentilla ovina Macoun var. decurrens (S. Watson) S. L. Welsh & B. C. Johnst. - Dorn01, E/W  
 [Potentilla ovina Macoun] - SF!  
 [Potentilla ovina Macoun ex J. M. Macoun var. decurrens (S. Watson) S. L. Welsh & B. C. Johnst.] - IMF, KTZ  
 Potentilla ovina Macoun var. ovina - Dorn01, E/W  
 [Potentilla ovina Macoun] - SF!, W&W  
 [Potentilla ovina Macoun ex J. M. Macoun var. ovina] - IMF, KTZ  
 Potentilla palustris (L.) Scop. - Dorn01, IMF, UTF, E/W  
 [Comarum palustre L.] - KTZ, SF!, W&W  
 Potentilla paradoxa Nutt. - Dorn01, GPF, IMF, KTZ, UTF, E  
 [Potentilla paradoxa Nutt. ex Torr. & A. Gray] - HDH  
 [Potentilla supina L. subsp. paradoxa (Nutt.) Soják] - SFE

[*Potentilla supina* L. subsp. *paradoxa* (Nutt. ex Torr. & A. Gray) Soják] - W&W  
*Potentilla pensylvanica* L. var. *pensylvanica* - KTZ, UTF, W&W, E/W  
 [Potentilla pensylvanica L.] - Dorn01, GPF, HDH, IMF, SF!, W&W<sup>1</sup>  
 [Potentilla pensylvanica L. var. *atrovirens* (Rydb.) T. F. Wolf] - KTZ  
 [Potentilla pensylvanica L. var. *ovium* Jeps.] - KTZ  
*Potentilla plattensis* Nutt. - Dorn01, IMF, KTZ, SF!, UTF, E/W  
 [Potentilla plattensis Nutt. ex Torr. & A. Gray] - HDH, W&W  
 [Potentilla plattensis Rydb.] - GPF  
 ∴ *Potentilla recta* L. - Dorn01, GPF, KTZ, SFE, W&W, E  
*Potentilla rivalis* Nutt. var. *millegrana* (Engelm. ex Lehm.) S. Watson - E/W  
 [Potentilla leucocarpa Rydb.] - HDH  
 [Potentilla rivalis Nutt.] - Dorn01, KWA, M&H, GPF, IMF, KTZ, SF!, UTF  
 [Potentilla rivalis Nutt. ex Torr. & A. Gray] - HDH, W&W  
*Potentilla rubricaulis* Lehm. - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
 [Potentilla rubricaulis Lehm. forma *nana* Clem. & E. G. Clem.] - HDH  
 [Potentilla pensylvanica L. var. *paucijuga* (Rydb.) S. L. Welsh & B. Johnst.] - SF!, UTF, E/W  
 ♦ *Potentilla rupincola* Osterh. - **ENDEMIC <CO>**, HDH, KTZ, SFE, W&W, E  
 [Potentilla effusa Douglas ex Lehm. var. *rupincola* (Osterhout) T. F. Wolf] - KTZ  
*Potentilla subjuga* Rydb. - HDH, KTZ, SF!, W&W, E/W  
*Potentilla subviscosa* Greene - HDH, IMF, SFE, W&W, E  
 [Potentilla subviscosa Greene var. *subviscosa*] - KTZ  
*Potentilla thurberi* A. Gray var. *atrorubens* (Rydb.) Kearny & Peebles - KWA, M&H, KTZ  
 [Potentilla atrorubens Rydb.] - KWA  
*Potentilla thurberi* A. Gray var. *thurberi* - KWA, M&H  
*Potentilla uniflora* Ledeb. - KTZ, SF!, W&W, E/W  
 [Potentilla nivea L.] - HDH

## Prunus

(Identification sources: \_\_\_\_\_)

*Prunus americana* Marshall - Dorn01, GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E  
*Prunus angustifolia* Marshall var. *angustifolia* - KTZ, E  
 [Prunus angustifolia Marshall] - GPF, SFE, W&W  
 ∴ *Prunus armeniaca* L. - GPF, IMF, KTZ, UTF  
 [Armeniaca vulgaris Lam.] - W&W  
*Prunus gracilis* Engelm. & A. Gray - GPF, KTZ, SFE, W&W, E  
*Prunus pensylvanica* L. f. - Dorn01, GPF, E  
 [Cerasus pensylvanica (L. f.) Loiseleur] - SFE, W&W  
 [Prunus pensylvanica L. f. subsp. *corymbulosa* (Rydb.) W. F. Wight] - HDH  
 [Prunus pensylvanica L. f. var. *pensylvanica*] - KTZ  
 [Prunus pensylvanica L. f. var. *saximontana* Rehd.] - KTZ  
 ∴ *Prunus persica* (L.) Batsch - Hartman06  
*Prunus pumila* L. var. *besseyi* (L. H. Bailey) Gleason - GPF, IMF, KTZ, E  
 [Cerasus pumila (L.) Michaux subsp. *besseyi* (L. H. Bailey) W. A. Weber] - SFE, W&W  
 [Prunus besseyi L. H. Bailey] - HDH, UTF  
 [Prunus pumila L. var. *besseyi* (L. H. Bailey) Waugh] - Dorn01  
*Prunus rivularis* Scheele - GPF, KTZ, SFE, W&W, E  
 [Prunus reverchonii Sarg.] - KTZ  
*Prunus serotina* Ehrhart var. *rufula* (Wooton & Standley) McVaugh - KWA, KTZ  
 [Padus rufula Wooton & Standley] - KWA

[*Prunus serotina* Ehrhart subsp. *virens* var. *rufula* (Woot. & Standl.) McVaugh] - M&H

[*Prunus virens* var. *rufula* (Woot. & Standl.) Sarg.] - KWA, KTZ

*Prunus serotina* Ehrhart var. *virens* - KWA

[*Padus virens* Woot. & Standl.] - KWA

[*Prunus virens* (Woot. & Standl.) Shreve] - KTZ, M&H

*Prunus virginiana* L. var. *melanocarpa* (A. Nelson) Sarg. - Dorn01, HDH, IMF, KTZ, UTF, E/W

[*Padus virginiana* (L.) Mill. subsp. *melanocarpa* (A. Nelson) W. A. Weber] - SF!, W&W

[*Prunus virginiana* L.] - GPF

*Purshia stansburiana* (Torr.) Henr. - IMF, KTZ, SFW, W&W, W

[*Cowania mexicana* D. Don] - HDH

[*Purshia mexicana* (D. Don) S. L. Welsh var. *stansburyana* (Torr.) S. L. Welsh] - UTF

*Purshia tridentata* (Pursh) DC. - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

Rosa

(Identification sources: \_\_\_\_\_)

*Rosa acicularis* Lindl. subsp. *sayi* (Schwein.) W. H. Lewis - GPF, KTZ, E/W

[*Rosa acicularis* Lindl.] - HDH, IMF

[*Rosa engelmannii* S. Watson] - HDH

[*Rosa sayi* Schweinitz] - Dorn01, SF!, W&W

*Rosa arkansana* Porter var. *arkansana* - KTZ, E

[*Rosa arkansana* Porter] - Dorn01, GPF, HDH, SFE, W&W

{*Rosa arkansana* Porter var. *suffulta* (Greene) Cockerell} - KTZ, attributed to W&W

∴ *Rosa blanda* Ait. var. *blanda* - GREE and RM (*Reif 3225*); Smith09?

∴ *Rosa eglanteria* L. - GPF, IMF, KTZ, UTF, E

[*Rosa glauca* Pourr.] - SFE

[*Rosa rubiginosa* L.] - W&W<sup>1</sup>

*Rosa foetida* Herrm. - FCF

*Rosa x harisoni* Rivers - Scheibout08

*Rosa manca* Greene - IMF, KTZ

[*Rosa nutkana* C. Presl] - HDH

[*Rosa woodsii* Lindl.] - W&W

[*Rosa woodsii* Lindl. var. *ultramontana* (S. Watson) Jeps.] - UTF

*Rosa nutkana* C. Presl - HDH, IMF, KTZ, SFW, W&W misid., W

[*Rosa nutkana* C. Presl var. *hispida* Fernald] - Dorn01, KTZ, UTF, W&W<sup>1</sup>

*Rosa woodsii* Lindl. var. *ultramontana* (S. Watson) Jeps. - IMF, KTZ, UTF, E/W

[*Rosa woodsii* Lindl.] - Dorn01, GPF, HDH, SF!, W&W

Rubacer (see **Rubus**)

Rubus

(Identification sources: \_\_\_\_\_)

*Rubus acaulis* Michx. - Dorn01, HDH, E/W

[*Cylactis arctica* (L.) Raf. subsp. *acaulis* (Michx.) W. A. Weber] - SF!,

[*Cylactis arctica* (L.) W. A. Weber subsp. *acaulis* (Michx.) W. A. Weber] - W&W

[*Rubus arcticus* L. subsp. *acaulis* (Michx.) Focke] - KTZ

*Rubus deliciosus* Torr. - Dorn01, GPF, HDH, KTZ, E/W

- [*Oreobatus deliciosus* E. James] - SFE  
 [*Oreobatus deliciosus* (E. James) Rydb.] - SFW  
 [*Oreobatus deliciosus* (E. James ex Torr.) Rydb.] - W&W  
 [*Oreobatus deliciosus* (E. James ex Torr.) Rydb. subsp. *deliciosus*] - W&W<sup>1</sup>  
 [*Oreobatus deliciosus* E. James subsp. *neomexicana* (Rydb.) W. A. Weber] - SFE  
 ∴ *Rubus discolor* Weihe & Nees - IMF, KTZ<AZ, NM, UT>, SFW, UTF, W&W<sup>1</sup>, W  
*Rubus idaeus* L. var. *strigosus* (Michx.) Maxim. - Dorn01, IMF  
 [*Rubus idaeus* L. var. *aculeatissimus* Regel & Tiling] - E/W  
 [*Rubus idaeus* L. subsp. *melanolasius* (Dieck) Focke] - SF!, UTF, W&W  
 [*Rubus idaeus* L. subsp. *sachalinensis* (H. Lév.) Focke var. *sachalinensis*] - GPF  
 [*Rubus idaeus* L. subsp. *strigosus* (Michx.) Focke] - KTZ  
 [*Rubus strigosus* Michx.] - HDH  
*Rubus idaeus* L. var. *peramoenus* (Greene) Fern. - Dorn01  
 ∴ *Rubus laciniatus* Willd. - Dorn01, IMF, KTZ, SFE, W&W, E  
*Rubus neomexicanus* A. Gray - IMF, KTZ, UTF  
 [*Oreobatus deliciosus* (E. James ex Torr.) Rydb. subsp. *neomexicanus* (A. Gray) W. A. Weber] - W&W<sup>1</sup>  
 [*Oreobatus rubicundus* Wooton & Standl.] - W&W, misapp.  
 [*Rubus* [*extrubicundus*] *extrubicundus* L. H. Bailey] - HDH  
 Δ *Rubus occidentalis* L. - GPF, HDH, KTZ, SFE, W&W, E  
 [*Rubus leucodermis* Douglas ex Torr. & A. Gray] - HDH, exp., IMF  
*Rubus parviflorus* Nutt. var. *parviflorus* - KTZ, UTF, E/W  
 [*Rubiacer parviflorum* (Nutt.) Rydb.] - SF!, W&W  
 [*Rubus parviflorus* Nutt.] - Dorn01, GPF, HDH, IMF  
*Rubus pubescens* Raf. var. *pubescens* - KTZ, E  
 [*Cylactis pubescens* (Raf.) W. A. Weber] - SFE, W&W  
 [*Rubus pubescens* Raf.] - Dorn01, GPF, HDH  
 ∴ *Sanguisorba minor* Scop. subsp. *muricata* Briq. - E/W  
 [*Sanguisorba minor* Scop.] - Dorn01, IMF, SF!, UTF, W&W  
 [*Sanguisorba minor* Scop. subsp. *muricata* (Spach) Nordborg] - KTZ  
*Sibbaldia procumbens* L. - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Sorbus dumosa* Greene - KWA, M&H, KTZ  
*Sorbus scopulina* Greene var. *scopulina* - IMF, KTZ, E/W  
 [*Sorbus scopulina* Greene] - Dorn01, GPF, HDH, SF!, UTF, W&W  
**Spiraea** (see also **Petrophyton**)  
*Spiraea betulifolia* Pall. var. *lucida* (Dougl. ex Hook.) C. L. Hitchc. - Dorn01  
 [*Spiraea betulifolia* subsp. *lucida* (Dougl. ex Greene) Taylor & MacBryde] - KTZ  
 [*Spiraea lucida* Dougl. ex Greene] - KTZ  
*Spiraea douglasii* Hook. var. *menziesii* (Hook.) C. Presl - KTZ, SFW, W&W, W  
*Spiraea X vanhoutii* (Briot) Carriere - KTZ

## Rubiaceae - RUB

(Identification sources: \_\_\_\_\_)

*Asperula* (see **Galium**)

## Galium

(Identification sources: \_\_\_\_\_)

- ∴ *Galium aparine* L. var. *aparine* - Dorn01, HDH, IMF, UTF, E/W  
[*Galium aparine* L.] - GPF, KTZ, SF!, W&W
- ∴ *Galium aparine* L. var. *echinospermum* (Wallr.) Farw. - Dorn01, HDH, IMF, UTF, E/W  
[*Galium aparine* L.] - GPF, KTZ  
[*Galium aparine* L. var. *echinospermon* (Wallr.) Farw.] - RMC  
[*Galium spurium* L.] - SF!, W&W
- Galium bifolium* S. Watson - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W
- Galium boreale* L. - Dorn01, GPF, HDH, IMF, KTZ, UTF, E/W  
[*Galium septentrionale* Roem. & Schult.] - SF!, W&W
- Galium fendleri* A. Gray - KWA, M&H, KTZ
- Galium mexicanum* Kunth var. *asperrimum* (A. Gray) Higgins & S. L. Welsh - UTF, E/W  
[*Galium mexicanum* Kunth subsp. *asperrimum* (A. Gray) Dempster] -KTZ, SF!, W&W
- Galium multiflorum* Kellogg var. *coloradoense* (Wight) Cronquist - IMF, UTF, W  
[*Galium coloradoense* W. F. Wight] - Dorn01, HDH, KTZ  
[*Galium coloradoense* W. F. Wight] - SFW, W&W
- ∴ *Galium odoratum* (L.) Scop. - KTZ, W&W
- Galium proliferum* A. Gray - HDH, exp., IMF, KTZ <AZ, NM, UT>, UTF, W&W  
[*Asperula odorata* L.] - HDH
- Galium trifidum* L. subsp. *columbianum* (Rydb.) Hultén - KTZ  
[*Galium trifidum* L.] - GPF, UTF
- Galium trifidum* L. var. *subbiflorum* Wiegand - IMF, E/W  
[*Galium brandegei* A. Gray] - HDH  
[*Galium trifidum* L.] - GPF  
[*Galium trifidum* L. subsp. *brevipes* (Fernald & Wiegand) A. Löve & D. Löve] - SFW  
[*Galium trifidum* L. subsp. *subbiflorum* (Wiegand) Piper] - KTZ  
[*Galium trifidum* L. subsp. *subbiflorum* (Wiegand) Puff] - W&W  
[*Galium trifidum* L. subsp. *subbiflorum* (Fernald & Wiegand) Puff] - SFE  
[*Galium subbiflorum* (Wiegand) Rydb.] - HDH
- Galium trifidum* L. var. *trifidum* - IMF  
[*Galium trifidum* L.] - Dorn01, GPF, HDH, UTF  
[*Galium trifidum* L. subsp. *trifidum*] - KTZ
- Galium triflorum* Michx. - GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W
- ∴ *Galium verum* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, W&W, E/W
  
- Hedyotis nigricans* (Lam.) Fosberg var. *nigricans* - KTZ, E  
[*Hedyotis nigricans* (Lam.) Fosberg] - GPF, SFE, W&W

## Ruppiaceae - RUP

- Ruppia cirrhosa* (Petagna) Grande - Dorn01, FNA, KTZ, E/W  
[*Ruppia cirrhosa* (Petagna) Grande subsp. *occidentalis* (S. Watson) A. Löve & D. Löve] –  
SF!, W&W  
[*Ruppia maritima* L.] - HDH, IMF, UTF, W&W<sup>1</sup>, err. rep.  
[*Ruppia maritima* L. var. *occidentalis* (S. Watson) Graebn.] - GPF  
[*Ruppia maritima* L. var. *rostrata* J. Agardh] - GPF

## Ruscaceae - RUS

*Maianthemum racemosum* (L.) Link var. *amplexicaule* (Nutt.) Dorn - Dorn01, E/W

[*Maianthemum amplexicaule* (Nutt.) W. A. Weber] - SF!, W&W

[*Maianthemum racemosum* (L.) Link] - W&W<sup>1</sup>, err. rep.

[*Maianthemum racemosum* (L.) Link subsp. *amplexicaule* (Nutt.) LaFrankie] - FNA, KTZ

[*Smilacina racemosa* (L.) Desf.] - GPF, IMF, UTF

[*Smilacina racemosa* (L.) Desf. var. *amplexicaulis* (Nutt.) S. Watson] - HDH

[*Smilacina amplexicaulis* Nutt.] - FNA

[*Unifolium amplexicaule* (Nutt.) Greene] - FNA

[*Vagnera amplexicauleis* (Nutt.) Greene] - FNA

[*Vagnera pallescens* Greene] - FNA

*Maianthemum stellatum* (L.) Link] - KTZ, SF!, W&W, E/W

[*Smilacina stellata* (L.) Desf.] - GPF, HDH, IMF, UTF

## Nolina

[NS - here following forthcoming treatment in the next version of the *Synthesis* by Kartesz]

*Nolina greenei* S. Watson ex Trel. - FNA, KTZ

*Nolina microcarpa* S. Watson -KTZ, FNA, HDH rep., IMF, KTZ, UTF, W&W, misapp.

[WJ - The FNA range map for *N. microcarpa* places it in ne NM; in my opinion it occurs no closer than se NM west of Truth or Consequences, and it is never e of the Rio Grande. The FNA placement of *N. microcarpa* in ne NM is probably based on misidentifications at UNM]

{*Nolina texana* S. Watson} - SFE, WJ, W&W, E

{WJ - I disagree with the treatment in FNA. There is no difference in the se CO plants called *N. greenei* from those in sw NM, which are *N. texana*. I have seen the type of *N. greenei*, which is little more than a couple of leaves (collected by Greene at Trinidad, CO, in Jan 1880)}

{*Polygonatum biflorum* (Walter) Elliott var. *commutatum* (Schult. & Schult. f.) Morong} -  
KTZ <KS, NE, NM, OK, WY>

{*Polygonatum biflorum* (Walter) Elliott} - GPF, RMC

{*Polygonatum commutatum* (Schutesf.) A. Dietr. ex Otto & A. Dietr.} - HDH, exp.

{*Polygonatum commutatum* (Schutesf.) A. Dietr.} - W&W

## Rutaceae - RUT

*Ptelea trifoliata* L. - SFE, W&W, E

[WJ - our plants are distinct and should be called *P. angustifolia* Benth.]

[*Ptelea baldwinii* Torr. & A. Gray] - HDH

[*Ptelea trifoliata* L. subsp. *pallida* (Greene) V. L. Bailey var. *confinis* (Greene) V. L. Bailey] - IMF, KTZ

[*Ptelea trifoliata* L. subsp. *polyadenia* (Greene) V. L. Bailey] - GPF, KTZ

*Thamnosma texana* (A. Gray) Torr. - GPF, HDH, KTZ, SFE, W&W, E

[WJ - only specimens from CO are from over 100 years near Canon City; unaware of any populations in northern NM, thus likely extirpated in our area]

## Salicaceae - SAL

(Identification sources: \_\_\_\_\_)

*Populus X acuminata* Rydb.- GPF, KTZ, SF!, UTF, E/W

[*Populus angustifolia* X *P. deltoides*] - KTZ

[*Populus acuminata* Rydb.] - Dorn01, HDH, W&W

[*Populus X andrewsii* Sargent] - HDH

- ∴ *Populus alba* L. - Dorn01, GPF, KTZ, UTF  
*Populus angustifolia* E. James - Dorn01, GPF, HDH, KTZ, SF!, UTF, W&W, E/W  
*Populus balsamifera* L. - Dorn01, GPF, HDH, SF!, W&W  
    [*Populus balsamifera* L. var. *balsamifera*] - E/W  
    [*Populus balsamifera* L. subsp. *balsamifera*] - KTZ, UTF  
*Populus X brayshawii* B. Boivin - GPF <CO>, KTZ  
    [*Populus angustifolia* X *P. balsamifera*] - KTZ  
*Populus X canadensis* Moench - WY checklist, KTZ  
    [*Populus canadensis* var. *eugenei* (Simon-Louis) Schelle] - KTZ  
    [*Populus canadensis* var. *serotina* (T. Hartig) Rehd.] - KTZ  
    [*Populus X eugenei* Simon-Louis] - KTZ  
    [*Populus euramericana* Guinier] - KTZ  
*Populus deltoides* W. Bartram ex Marshall var. *occidentalis* Rydb. - Dorn01, E  
    [*Populus deltoides* W. Bartram ex Marshall subsp. *monilifera* (Aiton) Eckenw.] - KTZ  
    [*Populus deltoides* Marshall subsp. *monilifera* (Aiton) Eckenw.] - GPF, SFE, W&W  
    [*Populus deltoides* Marshall var. *occidentalis* Rydb.] - UTF  
    [*Populus sargentii* Dode] - HDH  
*Populus deltoides* W. Bartram ex Marshall var. *wislizenii* (S. Watson) Dorn - Dorn01, W  
    [*Populus deltoides* W. Bartram ex Marshall subsp. *wislizenii* (S. Watson) Eckenw.] - KTZ  
    [*Populus deltoides* Marshall subsp. *wislizenii* (S. Watson) Eckenw.] - SFW, W&W  
    [*Populus fremontii* S. Watson var. *wislizenii* S. Watson] - UTF  
    [*Populus wislizenii* (S. Watson) Sargent] - HDH  
*Populus fremontii* S. Watson var. *fremontii* - UTF  
    [*Populus fremontii* S. Watson subsp. *fremontii*] - KTZ, W&W  
{*Populus X intercurrentis* S. Goodrich & S. L. Welsh} - UT3  
    {NS – reported for CO by UT3, specimens not seen}  
*Populus X jackii* Sarg. - GPF, KTZ, W&W  
    [*Populus balsamifera* X *P. deltoides*] - KTZ  
∴ *Populus nigra* L. - GPF, KTZ, W&W  
*Populus tremuloides* Michx. - GPF, HDH, KTZ, SF!, UTF, W&W, E/W

## Salix

[See Argus07 for distribution maps with caveats regarding taxonomic recognition]

(Identification sources: \_\_\_\_\_)

- ∴ *Salix alba* L. var. *vitellina* (L.) Stokes - GPF, W&W, E/W  
    [*Salix alba* L.] - , Argus07, KTZ  
    [*Salix alba* L. var. *vitellina* (L.) Koch] - SF!  
*Salix amygdaloides* Andersson - Argus07, Dorn01, GPF, KTZ, SF!, UTF, W&W, E/W  
    [*Salix amygdaloides* Andersson forma *amygdaloides*] - HDH  
    [*Salix amygdaloides* Andersson forma *angustissima* E. C. Sm.] - HDH  
    [*Salix amygdaloides* Andersson forma *pilosiuscula* C. K. Schneider] - HDH  
*Salix arctica* Pall. var. *petraea* (Andersson) Bebb - Dorn01, E/W  
    [*Salix anglorum* Cham. var. *antiplasta* C. K. Schneider] - HDH  
    [*Salix arctica* Pall. subsp. *petraea* (Andersson) A. Löve, D. Löve, & B. M. Kapoor] -SF!, W&W  
    [*Salix arctica* Pall. var. *petraea* Andersson] - UTF  
    [*Salix petrophila* Rydb.] - Argus07, KTZ, W&W<sup>1</sup>  
*Salix arizonica* Dorn - Argus07  
    [NS - absent from previous checklists]



- ∴ *Salix babylonica* L. - SF!, W&W, E/W  
 [Salix X pendulina Wender.] - KTZ  
 [Salix fragilis X ?S. sepulcralis] - KTZ  
 [Salix X sepulcralis Simonk.] - KTZ  
 [Salix alba X ?S. pendulina] - KTZ  
 {*Salix barclayi* Anderss.} - KTZ, W&W<sup>1</sup> err. rep.  
*Salix bebbiana* Sarg. - Argus07, Dorn01, KTZ, SF!, UTF, W&W, E/W  
 [Salix bebbiana Sarg. var. bebbiana] - GPF, HDH, RMC  
 [Salix bebbiana Sargent var. perrostrata (Rydb.) C. K. Schneid.] - GPF, HDH  
*Salix boothii* Dorn - Argus07, Dorn01, KTZ, SF!, UTF, W&W, E/W  
 [Salix pseudocordata (Andersson) Rydb.] - HDH  
*Salix brachycarpa* Nutt. var. *brachycarpa* - HDH, KTZ, UTF, E/W  
 [Salix brachycarpa Nutt.] - Dorn01, SF!, W&W  
 [Salix brachycarpa Nutt. subsp. *brachycarpa*] - Dorn97  
 [Salix brachycarpa Nutt. var. *antimima* Raup] - HDH  
 [Salix brachycarpa Nutt. var. *sansonii* C. R. Ball] - HDH  
 [Salix glauca L. var. *glabrescens* (Andersson) C. K. Schneid.] - HDH  
 [Salix pseudolapponum Seem.] - HDH  
*Salix calcicola* Fernald & Wiegand var. *glandulosior* B. Boivin- Argus07  
 [Salix calcicola Fernald & Wiegand] - Snow07b, KTZ, SFE, Dorn97, E/W  
 [Salix lanata L. subsp. *calcicola* (Wiegand) Hultén] - SFW  
 [Salix lanata L. subsp. *calcicola* (Fernald & Wiegand) Hultén] - W&W  
*Salix candida* Flüeggé ex Willd. - Argus07, Dorn01, KTZ, E/W  
 [Salix candida Flüeggé] - GPF, HDH, SF!, W&W  
*Salix cascadiensis* Cockerell - Argus07, Dorn01, HDH rep., KTZ, SF! exp., UTF,  
 W&W err. rep.,  
 {*Salix cordifolia* Pursh var. *callicarpaea* (Trautv.) Fernald} - HDH, W&W, err. rep.  
 {*Salix glauca* L. subsp. *callicarpaea* (Trautv.) Bocher} - KTZ  
*Salix discolor* Muhl. - Argus07, Dorn01, KTZ  
 [Salix ancorifera Fern.] - KTZ  
 [Salix conformis Forbes] - KTZ  
 [Salix crassa Barratt] - KTZ  
 [Salix discolor var. *overi* Ball] - KTZ  
 [Salix discolor var. *prinoides* (Pursh) Andress.] - KTZ  
 [Salix discolor var. *rigidior* (Anderss.) Schneid.] - KTZ  
 [Salix fuscata Pursh] - KTZ  
 [Salix prinoides Pursh] - KTZ  
 [Salix sensitiva Barratt] - KTZ  
 [Salix squamata Rydb.] - KTZ  
*Salix drummondiana* Barr. ex Hook. - Dorn01, KTZ, UTF, E/W  
 [Salix drummondiana Barr.] - SF!, W&W  
 [Salix subcoerulea Piper] - HDH  
*Salix eriocephala* Michx. var. *famelica* (C. R. Ball) Dorn - Dorn01, E/W  
 [Salix lutea Nutt.] - Argus07, GPF, KTZ, SF!, W&W, W&W<sup>1</sup>  
 [Salix lutea Nutt. var. *famelica* C. R. Ball] - HDH  
*Salix eriocephala* Michx. var. *ligulifolia* (C. R. Ball) Dorn - Dorn01, E/W  
 [Salix ligulifolia C. R. Ball] - Argus07, SF!  
 [Salix ligulifolia (C. R. Ball) C. R. Ball ex C. K. Schneid.] - KTZ  
 [Salix ligulifolia (C. R. Ball ex C. K. Schneid.) C. R. Ball ex E. C. Smith] - W&W<sup>1</sup>  
 [Salix lutea Nutt. var. *ligulifolia* C. R. Ball] - HDH  
*Salix eriocephala* Michx. var. *watsonii* (Bebb) Dorn - Dorn01, E  
 [Salix eriocephala Michx.] - SFE  
 [Salix ligulifolia (C. R. Ball ex C. K. Schneid.) C. R. Ball ex E. C. Smith] - W&W<sup>1</sup>

- [*Salix lutea* Nutt.] - GPF, KTZ, W&W  
 [*Salix lutea* Nutt. var. *lutea*] - HDH  
 [*Salix lutea* Nutt. var. *platyphylla* C. R. Ball] - HDH  
 [*Salix lutea* Nutt. var. *watsonii* (Bebb) Cronq.] - UTF  
 [*Salix rigida* Muhl. var. *watsonii* (Bebb) Cronquist] - W&W
- Salix exigua* Nutt. - KTZ, SF!**  
 [*Salix exigua* Nutt. subsp. *exigua*] - Argus07, GPF, W&W  
 [*Salix exigua* Nutt. subsp. *exigua* var. *exigua*] - UTF, Dorn97  
 [*Salix exigua* Nutt. var. *exigua*] - Dorn01, HDH, E/W  
 [*Salix exigua* Nutt. subsp. *exigua* var. *stenophylla* (Rydb.) C. K. Schneid.] - UTF  
 [*Salix exigua* Nutt. var. *luteosericea* (Rydb.) C. K. Schneid.] - HDH  
 [*Salix exigua* Nutt. var. *stenophylla* (Rydb.) C. K. Schneid.] - HDH  
 [*Salix linearifolia* Rydb.] - HDH  
 [*Salix exigua* Nutt.] - SF!  
 [*Salix exigua* Nutt. subsp. *interior* (Rowlee) Cronquist ] - GPF, W&W, Dorn97  
 [*Salix exigua* Nutt. var. *pedicellata* (Andersson) Cronquist] - E/W  
 [*Salix interior* Rowlee] - KTZ  
 [*Salix interior* Rowlee var. *interior*] - HDH  
 [*Salix interior* Rowlee var. *pedicellata* (Andersson) C. R. Ball] - HDH
- Salix famelica* (C. R. Ball) Argus - Argus07**  
 [*Salix lutea* Nuttall var. *familica* C. R. Ball] - Argus07
- ∴ ***Salix fragilis* L. - Dorn01, GPF, HDH, KTZ, SF!, UTF, W&W, E/W**  
 [NS - not included in our region by Argus07; needs further study]
- Salix geeyeriana* Andersson - Argus07, Dorn01, KTZ, SF!, W&W, E/W**  
 [*Salix geeyeriana* Andersson var. *argentea* (Bebb) C. K. Schneid.] - HDH  
 [*Salix geeyeriana* Andersson var. *geeyeriana*] - HDH, UTF
- Salix glauca* L. var. *villosa* Andersson - Dorn01, E/W**  
 [*Salix brachycarpa* Nutt.] - W&W<sup>1</sup>  
 [*Salix glauca* L.] - Argus07 [as "s.l."], SF!  
 [*Salix glauca* L. subsp. *glauca* var. *villosa* (D. Don ex Hook.) Andersson] - KTZ  
 [*Salix glauca* L. var. *villosa* (Hook.) Andersson] - UTF
- Salix gooddingii* C. R. Ball - Argus07, KTZ, SFW, UTF, W&W, Dorn97, W**  
 [*Salix nigra* Marsh.] - GPF
- Salix interior* Rowlee - Argus07**  
 [NS - relationship to names under *S. exigua* should be re-examined for our region]
- Salix irrorata* Andersson - Argus07, Dorn01, HDH, KTZ, SFE, W&W<sup>1</sup>, E**  
***Salix lasiandra* Benth. var. *caudata* (Nutt.) Sudw. - Argus07, Dorn01, E/W**  
 [*Salix caudata* (Nutt.) A. Heller var. *caudata*] - HDH  
 [*Salix lucida* Muhl. subsp. *caudata* (Nutt.) E. Murray] - KTZ, W&W  
 [*Salix lucida* Muhl. subsp. *caudata* (Nutt.) Argus] - SF!, UTF
- Salix lasiandra* Benth. var. *lasiandra* - Argus07, Dorn97, E/W**  
 [*Salix caudata* (Nutt.) A. Heller var. *bryantiana* C. R. Ball & Bracelin] - HDH  
 [*Salix lasiandra* Benth.] - HDH  
 [*Salix lucida* Muhl. subsp. *lasiandra* (Benth.) Argus - SF!  
 [*Salix lucida* Muhl. subsp. *lasiandra* (Benth.) E. Murray] - KTZ, W&W
- {***Salix lemmonii* Bebb**} - Dorn01, KTZ <CO, WY>  
 {NS - voucher for our area not seen}
- {***Salix lucida* Muhl.**} - GPF, HDH, W&W, err. rep.  
 {*Salix lucida* Muhl. subsp. *lucida*} - KTZ <KS>, W&W<sup>1</sup>, err. rep.
- ∴ ***Salix matsudana* Koidz. - KTZ, SF!, W&W, E/W**  
 [*Salix matsudana* Koidz. forma *tortuosa* Rehd.] - UTF  
 [*Salix matsudana* Koidz. forma *umbraculifera* Rehd.] - UTF
- Salix melanopsis* Nutt. - Argus07, Dorn01, KTZ, SF!, W&W<sup>1</sup>, misid, E/W**

- Salix monticola* Bebb - Argus07, Dorn01, HDH, KTZ, SF!, W&W, E/W  
 [Salix barclayi Andersson var. barclayi] - HDH  
 [Salix barclayi Andersson var. hebecarpa Andersson] - HDH  
 [Salix monticola Bebb ex J. M. Coult.] - UTF  
 [Salix pseudomonticola C. R. Ball] - GPF, SF!  
 [Salix pseudomonticola C. R. Ball var. padophylla (Rydb.) C. R. Ball] - HDH  
 [Salix pseudomonticola C. R. Ball var. pseudomonticola] - HDH  
*Salix myrtillofolia* Andersson var. *myrtillofolia* - Dorn97, E/W  
 [Salix myrtillofolia Andersson] - Argus07, KTZ, SF!, W&W  
*Salix nigra* Marshall - Argus07, KTZ, SFE, W&W<sup>1</sup>, Dorn97, E  
 {Salix orestera Schneid.} - KTZ  
*Salix pentandra* L. - Argus07, GPF, KTZ, UTF  
*Salix petiolaris* J. E. Sm. - Argus07, GPF, HDH, KTZ, Dorn97, E  
 [Salix gracilis Andersson] - SFE, W&W  
*Salix planifolia* Pursh var. *planifolia* - Dorn01, E/W  
 [Salix planifolia Pursh] - Argus07, GPF, SF!, W&W  
 [Salix planifolia Pursh subsp. planifolia] - KTZ  
 [Salix planifolia Pursh subsp. planifolia (Pursh) Hiitonen var. monica (Bebb) Jeps.] - UTF  
 [Salix planifolia Pursh subsp. planifolia var. planifolia] - UTF  
 [Salix planifolia Pursh var. monica (Bebb) C. K. Schneid.] - HDH  
 [Salix planifolia Pursh var. nelsonii (C. R. Ball) C. R. Ball] - HDH  
 {Salix X princeps-ourayi L. Kelso} - KTZ (Argus pers. comm.)  
 [Salix glauca X S. monticola] - KTZ  
 ∴ {Salix purpurea L.} - HDH, KTZ, SFE, UTF, W&W, E  
*Salix reticulata* L. var. *reticulata* - KTZ  
 [Salix nivalis Hook.] - Argus07, W&W<sup>1</sup>  
 [Salix reticulata L. subsp. reticulata] - KTZ  
*Salix reticulata* L. var. *nana* Andersson - Dorn01, E/W  
 [Salix nivalis Hook.] - KTZ, W&W<sup>1</sup>  
 [Salix nivalis Hook. var. nivalis] - HDH  
 [Salix nivalis Hook. var. saximontana (Rydb.) C. K. Schneid.] - HDH  
 [Salix reticulata L. subsp. nivalis (Hook.) A. Löve, D. Löve, & B. M. Kapoor] - SF!, W&W, Dorn97  
 [Salix reticulata L. var. nivalis (Hook.) Andersson] - UTF  
 {Salix X rubens Schrank} - KTZ, UTF  
 [Salix alba X S. fragilis] - KTZ  
*Salix scouleriana* Barratt ex Hook. - Argus07, Dorn01, KTZ, W&W, E/W  
 [Salix scouleriana Barr.] - GPF, HDH, SF!, UTF  
*Salix serissima* (L. H. Bailey) Fernald - Argus07, Dorn01, GPF, HDH, KTZ, SF!, W&W, E/W  
*Salix wolfii* Bebb var. *wolfii* - Argus07, Dorn01, HDH, UTF, E/W  
 [Salix wolfii Bebb] - KTZ, SF!, W&W  
 {Salix wolfii Bebb var. idahoensis C. R. Ball} - HDH, Dorn97  
 [Salix wolfii Bebb] - KTZ, W&W

## Sambucaceae - SAM

- Δ *Sambucus canadensis* L. var. *canadensis* - E  
 [Sambucus canadensis L.] - Dorn01, GPF, HDH, SFE, UTF, W&W  
 [Sambucus nigra L. subsp. canadensis (L.) R. Bolli] - KTZ  
*Sambucus cerulea* Raf. - Dorn01, IMF, E/W  
 [Sambucus caerulea Raf.] - UTF  
 [Sambucus cerulea Raf. var. cerulea] - KTZ  
 [Sambucus caerulea Raf.] - HDH, SF!, W&W

- [*Sambucus nigra* L. subsp. *cerulea* (Raf.) R. Bolli] - KTZ  
*Sambucus racemosa* L. var. *melanocarpa* (A. Gray) McMinn - Dorn01, KTZ, UTF, E/W  
 [*Sambucus melanocarpa* A. Gray] - HDH  
 [*Sambucus microbotrys* Rydb.] - W&W  
 [*Sambucus racemosa* L. subsp. *pubens* (Michx.) House var. *melanocarpa* (A. Gray) McMinn] - IMF  
*Sambucus racemosa* L. var. *microbotrys* (Rydb.) Kearn. & Peeb. - Dorn01, UTF, E/W  
 [*Sambucus microbotrys* Rydb.] - SF!, W&W  
 [*Sambucus racemosa* L. subsp. *pubens* (Michx.) House] - GPF  
 [*Sambucus racemosa* L. subsp. *pubens* (Michx.) House var. *microbotrys* (Rydb.) Kearn. & Peeb.] - IMF, KTZ  
 [*Sambucus racemosa* L. var. *racemosa*] - KTZ  
 {*Sambucus racemosa* L. var. *racemosa*} - KTZ  
 {*Sambucus pubens* Michx.} - HDH, W&W, err.  
 {*Sambucus racemosa* L. subsp. *pubens* (Michx.) House} - GPF  
 {*Sambucus racemosa* L. subsp. *pubens* (Michx.) House var. *pubens* (Michx.) Koehne}  
 {*Sambucus racemosa* L. subsp. *pubens* (Michx.) House var. *leucocarpa* (Torr. & A. Gray) Cronquist}

### **Santalaceae - SAN (including Viscaceae; excluding Loranthaceae)**

- Comandra umbellata* (L.) Nutt. var. *pallida* (A. DC.) M. E. Jones - Dorn01, IMF, UTF, E/W  
 [*Comandra umbellata* (L.) Nutt.] - HDH, SF!  
 [*Comandra umbellata* (L.) Nutt. subsp. *pallida* (A. DC.) Piehl] - GPF, KTZ, W&W

### **Sapindaceae - SAP (including Aceraceae, Hippocastanaceae)**

- Acer ginnala* Maxim. - WY checklist  
*Acer glabrum* Torr. var. *glabrum* - HDH, IMF, KTZ, UTF, E/W  
 [*Acer glabrum* Torr.] - GPF, SF!, W&W  
 [*Acer glabrum* Torr. var. *neomexicanum* (Greene) Kearney & Peebles] - HDH, KTZ  
 [*Acer glabrum* Torr. var. *tripartitum* (Nutt.) Pax] - HDH  
 [*Acer glabrum* Torr. forma *trisectum* Sarg.] - SF!  
*Acer grandidentatum* Nutt. var. *grandidentatum* - KTZ, W  
 [*Acer grandidentatum* Nutt.] - IMF, SFW, UTF  
 [*Acer grandidentatum* Nutt. ex Torr. & A. Gray] - HDH, W&W  
*Acer negundo* L. var. *interius* (Britton) Sarg. - Dorn01, GPF, HDH, IMF, KTZ, E/W  
 [*Acer negundo* L. var. *interior* (Britton) Sarg.] - UTF  
 [*Negundo aceroides* Moench subsp. *interius* (Britton & Shafer) A. Löve & D. Löve] - SF!  
 [*Negundo aceroides* (L.) Moench subsp. *interius* (Britton & Shafer) A. Löve & D. Löve] - W&W  
 Δ*Acer negundo* L. var. *violaceum* (Kirchn.) Jaeger - Dorn01, GPF, KTZ, E/W  
 [*Acer negundo* L. var. *violaceum* Jaeger & Beissn.] - HDH  
 [*Acer negundo* L. var. *violaceum* (Kirchn.) Jaeger] - RMC  
 [*Negundo aceroides* Moench subsp. *violaceus* (Kirchn.) W. A. Weber] - SFE  
 [*Negundo aceroides* Moench subsp. *violaceum* (Kirchn.) W. A. Weber] - SFW  
 [*Negundo aceroides* (L.) Moench subsp. *violaceus* (Kirchn.) W. A. Weber] - W&W

- Aesculus glabra* Willd. - WY checklist  
 [*Aesculus glabra* Willd. var. *arguta* (Buckl.) B. L. Robinson] - KTZ

Negundo (see **Acer**)

- Sapindus saponaria* L. var. *drummondii* (Hook. & Arn.) L. D. Benson - GPF, IMF, KTZ, SFE, UTF, E  
 [*Sapindus drummondii* Hook. & Arn.] - HDH, W&W

## Sarcobataceae - SRB

Sarcobatus vermiculatus (Hook.) Torr. var. vermiculatus - Dorn01, UTF, E/W  
[Sarcobatus vermiculatus (Hook.) Torr.] - GPF, HDH, KTZ, SF!, W&W

## Saururaceae - SRR

ΔAnemopsis californica Hook. & Arn. - FNA, E  
[Anemopsis californica Hook.] - SFE, W&W  
[Anemopsis californica (Nutt.) Hook. & Arn.] - GPF, KTZ, UTF  
[Anemopsis californica Hook. var. subglabrata L. Kelso] - HDH

## Saxifragaceae - SAX (see also GRS, HDR, PAR)

(Identification sources: \_\_\_\_\_)

Boykinia jamesii (Torr.) Engler - E, Dorn01 <reportedly in Albany Co, WY>  
[Saxifraga jamesii Torr.] - HDH  
[Telesonix jamesii (Torr.) Raf.] - GPF, KTZ, SFE, W&W  
[Telesonix jamesii (Torr.) Raf. var. jamesii] - IMF, UTF

Chrysosplenium tetrandrum (Lund ex Malmgr.) Th. Fr. - KTZ, E/W  
[Chrysosplenium tetrandrum (N. Lund) Th. Fr.] - W&W  
[Chrysosplenium tetrandrum Th. Fr.] - HDH, SF!

## Ciliaria (see Saxifraga)

Conimitella williamsii (D. C. Eaton) Rydb. - IMF, KTZ, SF!, W&W, E/W

Heuchera bracteata (Torr.) Ser. - Dorn01, HDH, KTZ, SF!, W&W, E/W

◆ Heuchera hallii A. Gray - **ENDEMIC** <CO, NM>, HDH, Hartman06, KTZ, SFE, W&W, E

Heuchera novomexicana Wheelock - KWA, M&H, KTZ

Heuchera parvifolia Nutt. ex Torr. & A. Gray - Dorn01, HDH, E/W

[Heuchera nivalis Rosendahl, Butters, & Lakela] - HDH

[Heuchera parvifolia Nutt.] - IMF, SF!

[Heuchera parvifolia Nutt. var. utahensis (Rydb.) Garrett] - UTF

[Heuchera parvifolia Nutt. ex Torr. & A. Gray var. flavescens (Rydb.) Rosendahl, Butters, & Lakela] - KTZ

[Heuchera parvifolia Nutt. ex Torr. & A. Gray var. major Rosendahl, Butters, & Lakela] - KTZ

[Heuchera parvifolia Nutt. ex Torr. & A. Gray var. microcarpa Rosendahl, Butters, & Lakela] - KTZ

[Heuchera parvifolia Nutt. var. nivalis (Rosendahl) A. Löve, D. Löve, & B. M. Kapoor] - SF!

[Heuchera parvifolia Nutt. ex Torr. & A. Gray var. nivalis (Rosendahl, Butters, & Lakela) A. Löve, D. Löve, & B. M. Kapoor] - KTZ

[Heuchera parvifolia Nutt. ex Torr. & A. Gray var. nivalis (Rosendahl) A. Löve, D. Löve, & B. M. Kapoor] - W&W

[Heuchera parvifolia Nutt. ex Torr. & A. Gray var. parvifolia] - KTZ, W&W

[Heuchera parvifolia Nutt. ex Torr. & A. Gray var. utahensis (Rydb.) Garrett] - KTZ

Heuchera richardsonii R. Br. - Dorn01, HDH, KTZ, SFE, W&W, E

[Heuchera richardsonii R. Br. var. richardsonii] - GPF

Heuchera rubescens Torr. var. rubescens - KTZ, UTF, W

[*Heuchera rubescens* Torr.] - IMF, SFW, W&W

*Heuchera rubescens* Torr. var. *versicolor* (Greene) M. G. Stewart - KTZ, UTF, E

[*Heuchera rubescens* Torr.] - IMF

[*Heuchera versicolor* Greene] - SFE, W&W

**Hirculus** (see **Saxifraga**)

*Lithophragma glabrum* Nutt. var. *ramulosum* (Suksd.) B. Boivin - Dorn01, E/W

[*Lithophragma bulbifera* Rydb.] - GPF, HDH

[*Lithophragma glabra* Nutt. var. *ramulosa* (Suksd.) Goodrich] - UTF

[*Lithophragma glabrum* Nutt.] - IMF, KTZ, SF!, W&W

*Lithophragma parviflorum* (Hook.) Nutt. ex Torr. & A. Gray - Dorn01, IMF, W&W, E/W

[*Lithophragma parviflora* (Hook.) Nutt.] - UTF

[*Lithophragma parviflora* (Hook.) Nutt. ex Torr. & A. Gray] - HDH

[*Lithophragma parviflorum* (Hook.) Nutt.] - GPF, SF!

[*Lithophragma parviflorum* (Hook.) Nutt. ex Torr. & A. Gray var. *parviflorum*] - KTZ

*Lithophragma tenellum* Nutt. - Dorn01, IMF, KTZ, SF!, W&W, E/W

[*Lithophragma tenella* Nutt.] - UTF

[*Lithophragma tenella* Nutt. ex Torr. & A. Gray] - HDH

**Micranthes** (see **Saxifraga**)

*Mitella pentandra* Hook. - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Mitella stauropetala* Piper var. *stenopetala* (Piper) Rosend. - KTZ, SF!, UTF, W&W, E/W

[*Mitella stauropetala* Piper] - Dorn01, HDH rep., IMF

[*Mitella stenopetala* Piper] - HDH

**Muscaria** (see **Saxifraga**)

**Parnassia** (see **PAR**)

**Saxifraga** (see also **Boykinia**)

(Identification sources: \_\_\_\_\_)

*Saxifraga adscendens* L. var. *oregonensis* (Raf.) Breit. - IMF, UTF, E/W

[*Muscaria adscendens* (L.) Small] - SF!, W&W

[*Saxifraga adscendens* L.] - HDH

[*Saxifraga adscendens* L. subsp. *oregonensis* (Raf.) Bacig.] - KTZ

*Saxifraga bronchialis* L. var. *austromontana* (Wiegand) Piper ex G. N. Jones - Dorn01, E/W

[*Ciliaria austromontana* (Wiegand) W. A. Weber] - SF!, W&W

[*Saxifraga bronchialis* L.] - HDH

[*Saxifraga bronchialis* L. subsp. *austromontana* (Wiegand) Piper] - KTZ

[*Saxifraga bronchialis* L. var. *austromontana* (Wiegand) G. N. Jones] - IMF, UTF

*Saxifraga cernua* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Saxifraga cespitosa* L. subsp. *delicatula* (Small) Porsild - KTZ, E/W

[*Muscaria delicatula* Small] - SF!, W&W

[*Saxifraga caespitosa* L.] - HDH

[*Saxifraga caespitosa* L. subsp. *delicatula* (Small) Porsild] - KTZ

[*Saxifraga cespitosa* L.] - IMF

*Saxifraga cespitosa* L. subsp. *monticola* (Small) Porsild - E/W

- [*Muscaria micropetala* Small] - SF!  
 [*Muscaria micropetala* (Small) Fedde] - W&W  
 [*Muscaria monticola* Small] - SF!  
 [*Muscaria monticola* (Small) Fedde] - W&W  
 [*Saxifraga caespitosa* L. var. *minima* Blank.] - UTF  
 [*Saxifraga caespitosa* L. subsp. *monticola* (Small) Porsild] - KTZ  
 [*Saxifraga cespitosa* L.] - Dorn01, IMF  
 [*Saxifraga cespitosa* L. var. *minima* Blank.] - RMC
- Saxifraga chrysantha* A. Gray** - HDH, KTZ, UTF, E/W  
 [*Hirculus serpyllifolius* (Pursh) W. A. Weber subsp. *chrysantha* (A. Gray) W. A. Weber] - W&W<sup>1</sup>  
 [*Hirculus serpyllifolius* (Pursh) W. A. Weber subsp. *chrysanthus* (A. Gray) W. A. Weber] - SF!  
 [*Saxifraga serpyllifolia* Pursh var. *chrysantha* (A. Gray) Dorn] - IMF
- Saxifraga flagellaris* Willd. ex Sternb. var. *crandallii* (Gand.) Dorn** - Dorn01, E/W  
 [*Hirculus platysepalus* (Trautv.) W. A. Weber subsp. *crandallii* (Gand.) W. A. Weber] - SF!, W&W  
 [*Saxifraga flagellaris* Willd.] - HDH, UTF  
 [*Saxifraga flagellaris* Willd. ex Sternb.] - IMF  
 [*Saxifraga flagellaris* Willd. ex Sternb. subsp. *crandallii* (Gand.) Hultén] - KTZ  
 [*Saxifraga platysepala* (Trautv.) Tolm.] - KTZ
- Saxifraga foliolosa* R. Br.** - KTZ, E  
 [*Saxifraga vreelandii* (Small) Fedde] - HDH, rep.  
 [*Spatularia foliolosa* (R. Br.) Small] - SFE, W&W
- Saxifraga hirculus* L. subsp. *coloradensis* Hedd.** - E/W  
 [*Hirculus prorepens* (Fisch.) A. Löve & D. Löve] - SF!  
 [*Hirculus prorepens* (Fisch. ex Sternberg) A. Löve & D. Löve] - W&W  
 [*Saxifraga hirculus* L.] - IMF, UTF  
 [*Saxifraga hirculus* L. subsp. *hirculus*] - KTZ
- Saxifraga occidentalis* S. Watson** - Dorn01, GPF, IMF, KTZ
- Saxifraga odontoloma* Piper** - Dorn01, IMF, KTZ, UTF, E/W  
 [*Micranthes odontoloma* (Piper) A. Heller] - W&W  
 [*Micranthes odontoloma* (Piper) W. A. Weber] - SF!  
 [*Saxifraga arguta* D. Don] - HDH
- Saxifraga oregana* Howell** - HDH, IMF, KTZ, E/W  
 [*Micranthes oregana* (Howell) Small] - SF!, W&W  
 [*Saxifraga montanensis* Small] - HDH
- Saxifraga rhomboidea* Greene** - Dorn01, HDH, IMF, KTZ, UTF, E/W  
 [*Micranthes rhomboidea* (Greene) Small] - SF!, W&W
- Saxifraga rivularis* L. var. *debilis* (Engelm. ex A. Gray) Dorn** - Dorn01  
 [NS - Jørgensen06 recognizes *S. rivularis*, *S. debilis*, and *S. hyperborea* all as distinct]  
 [*Saxifraga rivularis* L.] - IMF, KTZ, W&W, E/W  
 [*Saxifraga debilis* Engelm.] - HDH, UTF  
 [*Saxifraga hyperborea* R. Br. subsp. *debilis* (Engelm.) A. Löve, D. Löve, & B. M. Kapoor] - SF!  
 [*Saxifraga hyperborea* R. Br. subsp. *debilis* (Engelm. ex A. Gray) A. Löve, D. Löve, & B. M. Kapoor] - W&W  
 [*Saxifraga rivularis* L. var. *flexuosa* (Sternb.) Engl. & Irmsch.] - RMC
- Saxifraga serpyllifolia* Pursh var. *chrysantha* (Gray) Dorn** - Dorn01, KTZ  
 [*Hirculus serpyllifolius* subsp. *chrysanthus* (Gray) W.A. Weber] - KTZ  
 [*Saxifraga serpyllifolia* subsp. *chrysantha* (Gray) W.A. Weber] - KTZ  
 [*Saxifraga chrysantha* Gray] - KTZ

***Spatularia* (see *Saxifraga*)**

- Sullivantia hapemanii* (J. M. Coult. & Fish.) J. M. Coult. var. *hapemanii*** - Dorn01, KTZ  
 ♦ ***Sullivantia hapemanii* (J. M. Coult. & Fish.) J. M. Coult. var. *purpusii* (Brand) Soltis** -  
**ENDEMIC <CO>**, KTZ, W

[Sullivantia hapemanii (J. M. Coult. & Fish.) J. M. Coult.] - SFW  
[Sullivantia hapemanii (J. M. Coult. & Fish.) J. M. Coult. var. purpusii (Brandege) Soltis] - W&W  
[Sullivantia purpusii (Brandege) Rosendahl] - HDH

Telesonix (see **Boykinia**)

### **Scrophulariaceae - SCR** (see also **ORO, PHR, PTG**)

(Identification sources: \_\_\_\_\_)

Scrophularia lanceolata Pursh - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

- ∴ Verbascum blattaria L. - GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E
- ∴ Verbascum phlomoides L. - HDH, exp., KTZ, SFE, W&W, E
- ∴ Verbascum X pterocaulon Franch. - KTZ, SFE, E
  - [WJ - always sterile]
  - [Verbascum blattaria X V. thapsus] - KTZ
  - [Verbascum pterocaulon Franch.] - W&W
- ∴ Verbascum thapsus L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W
  - [WJ - seems to also hybridize with V. phlomoides but no specimens in herbaria]

### **Simaroubaceae - SMR**

- ∴ Ailanthus altissima (Mill.) Swingle - GPF, IMF, KTZ, SF!, UTF, W&W, E/W

### **Smilacaceae - SML**

Smilax herbacea L. var. lasioneuron (Hook.) A. DC. - Dorn01, HDH

- [Coprosmanthus lasioneuron (Hook.) Kunth] - FNA
- [Nemexia herbacea (L.) Sm. subsp. melica A. Nels.] - FNA
- [Nemexia lasioneura (Hook.) Rydb.] - FNA
- [Nemexia tenuis (Sm.) Sm.] - FNA
- [Smilax diversifolia Sm.] - FNA
- [Smilax herbacea L. var. indora M. E. Jones] - FNA
- [Smilax herbacea L. var. lasioneuron (Small) Rydb.] - GPF
- [Smilax herbacea L. subsp. lasioneura (Hook.) Á. Löve & D. Löve] - FNA
- [Smilax lasioneura Hook.] - FNA, KTZ, SFE, W&W, E
- [Smilax tenuis Sm.] - FNA

### **Solanaceae - SOL**

(Identification sources: \_\_\_\_\_)

ΔCalibrachoa parviflora (Juss.) D'Arcy - KTZ<AZ, KS, NM>

- Chamaesaracha conioides (Moric.) Britton - HDH, SFE, W&W, E
  - [Chamaesaracha conioides (Moric. ex Dunal) Britton] - GPF, KTZ
- Chamaesaracha coronopus (Dunal) A. Gray - GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W



{*Datura innoxia* Mill.} - GPF, IMF, a Mexican sp., KTZ, W&W  
[*Datura meteloides* Dunal] - HDH

*Datura quercifolia* H.B.K. - *Hazlett & Hazlett 12102*; Harding Co., NM [GREE]

Δ*Datura stramonium* L. - GPF, HDH, IMF, KTZ, SFE, UTF, W&W, E

Δ*Datura wrightii* Regel - IMF, KTZ, SFW, UTF, W&W, W  
[*Datura innoxia* Mill.] - GPF

∴ *Hyoscyamus niger* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

∴ *Lycium barbarum* L. - Dorn01, IMF, KTZ, SF!, UTF, W&W, E/W  
[*Lycium halimifolium* Mill.] - GPF, HDH

*Lycium pallidum* Miers - GPF, HDH, IMF, SF!, UTF, W&W, E/W  
[*Lycium pallidum* Miers var. *pallidum*] - KTZ

∴ *Nicandra physalodes* (L.) Pers. - HDH, W&W, E

[WJ - probably a non-persistent waif. Only CO collections are *Warren* [1914, COCO] and *Hendricks* [1946, CS] from Burlington. Warren collection probably from a garden. Burlington area recently collected independently by C. Freeman and D. Clark; neither found this taxon]

[*Nicandra physalodes* (L.) Gaertn.] - GPF, KTZ, SFE

*Nicotiana attenuata* Torr. ex S. Watson - Dorn01, HDH, IMF, KTZ, UTF, W&W, E/W  
[*Nicotiana attenuata* Torr.] - SF!

*Nicotiana trigonophylla* Dunal - M&H, KTZ, HDH, exp., GPF, UTF, W&W misid.

[*Nicotiana obtusifolia* Mert. & Galeotti var. *obtusifolia*] - KTZ

[*Nicotiana trigonophylla* Dunal var. *trigonophylla*] - IMF

*Physalis* (see also **Quincula**)

(Identification sources: \_\_\_\_\_)

{*Physalis cinerascens* (Dunal) Hitchc. var. *cinerascens*} - KTZ

{WJ - to be expected in Baca Co., CO, but no specimens confirmed; NS - nearest specimens in NM fide M&H are SE of our area}

{*Physalis viscosa* L. subsp. *mollis* (Nutt.) Waterf. var. *cinerascens* (Dunal) Waterf.} - GPF

*Physalis hederifolia* A. Gray var. *comata* (Rydb.) Waterf. - Dorn01, GPF, KTZ, SFE, W&W, E/W

[WJ - should be recognized at species level; has short, dense, very glandular hairs; native to NE, KS, and CO]

[*Physalis hederifolia* A. Gray] - HDH, SFW

*Physalis hederifolia* A. Gray var. *fendleri* (A. Gray) Cronquist - IMF, KTZ, UTF, E

[WJ - differs from var. *comata* by different habit, leaf shape, and pubescence; higher elevations in wooded situations (pinyons and ponderosa pines)]

[*Physaria fendleri* A. Gray] - HDH

[*Physalis hederifolia* A. Gray var. *cordifolia* (A. Gray) Waterf.] - GPF, SFE, W&W

*Physalis heterophylla* Nees var. *heterophylla* - KTZ, E

[*Physalis heterophylla* Nees] - Dorn01, GPF, HDH, IMF, SFE, UTF, W&W

*Physalis hispida* (Waterf.) Cronquist - Dorn01, IMF, KTZ, E

[*Physalis pumila* Nutt.] - HDH, rep.

[*Physalis pumila* Nutt. subsp. *hispida* (Waterf.) Hinton] - GPF, SFE, W&W

*Physalis longifolia* Nutt. - Dorn01, HDH, UTF

[*Physalis longifolia* Nutt. var. *longifolia*] - GPF, IMF, KTZ, E/W

[*Physalis longifolia* Nutt. var. *subglabrata* (Mack. & Bush) Cronquist] - KTZ

[*Physalis subglabrata* Mack. & Bush] - HDH

[*Physalis virginiana* Mill.] - SF!, W&W

Δ{*Physalis pruinosa* L.} - HDH rep., W&W

[WJ - no specimens confirmed yet for CO at COLO, CS, GREEE or KHD; not reported from NM by M&H]

[*Physalis pubescens* L. var. *integrifolia* (Dunal) Waterf.] - KTZ

[*Physalis pubescens* L.] - GPF, HDH, IMF, W&W err. rep.

*Physalis subulata* Rydb. var. *neomexicana* (Rydb.) Waterf. ex Kartesz & Gandhi - KTZ, E

[WJ - no confirmed specimens yet from CO based on COLO, CS, and KHD. Type locality of this variety from our area in northern NM]

[*Physalis foetens* Poir. var. *neomexicana* (Rydb.) Waterf.] - SFE, W&W

*Physalis virginiana* Mill. - GPF, IMF, SF!, W&W, E/W

[*Physalis lanceolata* Michaux] - HDH

[*Physalis virginiana* Mill. var. *virginiana*] - KTZ

[*Physalis virginiana* Mill. var. *polyphylla* (Greene) Waterf.] - KTZ

*Quincula lobata* (Torr.) Raf. - GPF, KTZ, SFE, W&W, E

[*Physalis lobata* Torr.] - HDH, UTF

## Solanum

(Identification sources: \_\_\_\_\_)

*Solanum americanum* Mill. - KTZ, SF!, W&W, E/W

[*Solanum interius* Rydb.] - GPF, KTZ

[*Solanum nigrum* L.] - IMF, UTF

[*Solanum nigrum* L. var. *virginicum* L.] - IMF

Δ*Solanum carolinense* L. - GPF, HDH, exp., IMF, SFE, UTF, W&W, E

[*Solanum carolinense* L. var. *carolinense*] - KTZ

∴ *Solanum dulcamara* L. - Dorn01, GPF, HDH, exp., IMF, SF!, UTF, W&W, E/W

[*Solanum dulcamara* L. var. *dulcamara*] - KTZ

Δ*Solanum elaeagnifolium* Cav. - GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Solanum fendleri* A. Gray ex Torr. var. *fendleri* - KTZ

[WJ - No CO specimens at COLO, CS, GREE, KHD, although type specimen from our area in northern NM]

[*Solanum fendleri* A. Gray] - HDH, W&W

Δ*Solanum heterodoxum* Dunal - HDH, SFE, W&W, E

[*Solanum heterodoxum* Dunal var. *setigeroides* Whalen] - GPF, KTZ?

*Solanum jamesii* Torr. - HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Solanum nigrum* L. - Dorn01, HDH, KTZ, UTF, W&W, misapp.

[*Solanum ptycanthum* Dunal ex DC.] - GPF

[*Solanum ptycanthum* Dunal] - KTZ

Δ*Solanum physalifolium* Rusby var. *nitidibaccatum* (Bitter) Edmonds - Dorn01, SF!, W&W,

E/W

[*Solanum physalifolium* Rusby] - KTZ

[*Solanum sarrachoides* Sendtn. ex Mart.] - HDH, IMF, UTF

[*Solanum sarrachoides* Sendtn.] - GPF

Δ*Solanum rostratum* Dunal - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Solanum triflorum* Nutt. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

## Sparganiaceae - (see TYP)

## Tamaricaceae - TAM

(Identification sources: \_\_\_\_\_)

[NS - any local taxonomic changes should consult recent studies by Gaskin et al.]

- ∴ *Tamarix chinensis* Lour. - Dorn01, GPF, KTZ, UTF  
[JG - Indistinguishable from *T. ramosissima* on morphological grounds]
- ∴ {*Tamarix gallica* L.} - HDH, KTZ <NM>, W&W, err. rep.
- ∴ *Tamarix parviflora* DC. - GPF, KTZ, SF!, UTF, W&W, E/W  
{*Tamarix pentandra* Pallas}  
{JG - an illegitimate name}
- ∴ *Tamarix ramosissima* Ledeb. - GPF, KTZ, SF!, W&W, E/W  
[*Tamarix chinensis* Lour.] - UTF  
[JG: See above re: *T. chinensis*]

## Themidaceae - THE

*Androstephium breviflorum* S. Watson - Dorn01, FNA, FCF, HDH, IMF, KTZ, SFW, W&W, W  
[*Bessera breviflora* (S. Watson) Jepson] - FNA  
[*Brodiaea paysonii* A. Nels.] - FNA  
[*Brodiaea breviflora* (S. Watson) J. F. MacBride]

*Triteleia grandiflora* Lindl. var. *grandiflora* - IMF, KTZ  
[*Triteleia grandiflora* Lindl.] - Dorn01, UTF, W&W<sup>1</sup>

## Theophrastaceae - TEO

- {*Samolus floridanus* Kunth} - HDH, exp.  
{NS - likely to be found in northern NM or s. CO}
- {*Samolus parviflorus* Raf.} - GPF, UTF
- {*Samolus valerandi* L. subsp. *parviflorus* (Raf.) Hultén} - KTZ <AZ, KS, NM, OK, UT>

## Tiliaceae - TIL

- ∴ *Tilia americana* - WY checklist  
[NS - many synonyms depending on infraspecific taxon, e.g. see KTZ]  
[WJ - present by virtue of ornamental plantings]

## Trilliaceae (see MLN and LIL)

## Typhaceae - TYP (including Sparganiaceae)

(Identification sources: \_\_\_\_\_)

*Sparganium angustifolium* Michx. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, W&W, E/W  
*Sparganium emersum* Rehmman - Dorn01, FNA, SF!, UTF, W&W, E/W  
[*Sparganium angustifolium* Michx.] - KTZ  
[*Sparganium emersum* Rehmman var. *multipedunculata* (Morong) Reveal] - GPF, IMF

[*Sparganium multipedunculata* (Morong) Rydb.] - HDH  
*Sparganium eurycarpum* Engelm. - Dorn01, FNA, GPF, HDH, IMF, SFE, UTF, E  
[*Sparganium eurycarpum* Engelm. ex A. Gray] - KTZ, W&W  
*Sparganium natans* L. - Dorn01, FNA, KTZ, E/W  
[*Sparganium minimum* Fr.] - HDH, IMF, SFW, UTF  
[*Sparganium minimum* Wallr.] - W&W  
[*Sparganium minimum* (Hartman) Fr.] - SFE  
[*Sparganium minimum* (Hartman) Wallr.] - KTZ

*Typha angustifolia* L. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, W&W, E/W  
*Typha domingensis* Pers. - FNA, GPF, IMF, KTZ, SF!, UTF, W&W, E/W  
*Typha X glauca* Godr. - FNA, GPF, IMF, KTZ <UT, WY>, UTF  
[*Typha angustifolia* X *T. latifolia*] - FNA  
*Typha latifolia* L. - Dorn01, FNA, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

### **Ulmaceae - ULM** (see also **CAN**)

Δ{*Ulmus americana* L.} - GPF, HDH exp., KTZ, RMC, UTF, W&W cult.  
{WJ - not escaping from cultivation}  
∴ *Ulmus pumila* L. - Dorn01, FNA, GPF, HDH, KTZ, SF!, UTF, W&W, E/W

### **Umbelliferae** (see **API**)

### **Urticaceae - URT**

(Identification sources: \_\_\_\_\_)

*Boehmeria cylindrica* (L.) Swartz - FNA  
[NS - entering our area in n.e. NM]

{*Parietaria floridana* Nutt.} - HDH, KTZ, W&W err. rep.  
*Parietaria pensylvanica* Muhl. ex Willd. - Dorn01, FNA, HDH, KTZ, UTF, W&W, E/W  
[*Parietaria pensylvanica* Muhl.] - GPF, SF!

{*Urtica dioica* L. var. *dioica*} - HDH, W&W, Eurasian  
{*Urtica dioica* L.} - W&W<sup>1</sup>  
{*Urtica dioica* L. subsp. *dioica*} - GPF, KTZ <OK>

*Urtica dioica* L. var. *occidentalis* S. Watson - Dorn01, UTF, W  
[*Urtica dioica* L. subsp. *holosericea* (Nutt.) Thorne] - KTZ  
[*Urtica gracilis* Aiton subsp. *holosericea* (Nutt.) W. A. Weber] - FNA, SFW, W&W

*Urtica dioica* L. var. *procera* (Muhl. ex Willd.) Wedd. - Dorn01, E/W  
[*Urtica dioica* L. subsp. *gracilis* (Aiton) Selander] - FNA, GPF, KTZ  
[*Urtica dioica* L. var. *procera* (Muhl.) Wedd.] - HDH, UTF  
[*Urtica gracilentata* Greene] - SFW, HDH, W&W<sup>1</sup>  
[*Urtica gracilis* Aiton] - SF!  
[*Urtica gracilis* Aiton subsp. *gracilis*] - W&W

*Urtica gracilentata* Greene - FNA

### **Uvulariaceae** (see **CHC**)

## Valerianaceae - VAL

- Valeriana acutiloba* Rydb. var. *acutiloba* - Dorn01, IMF, KTZ, E/W  
[*Valeriana acutiloba* Rydb.] - GPF, UTF  
[*Valeriana capitata* Pall. subsp. *acutiloba* (Rydb.) F. G. Mey.] - SF!  
[*Valeriana capitata* Pall. ex Link subsp. *acutiloba* (Rydb.) F. G. Mey.] - HDH, W&W
- Valeriana acutiloba* Rydb. var. *pubicarpa* (Rydb.) Cronquist - Dorn01, IMF, KTZ, E/W  
[WJ - likely does not occur in Colorado]  
[*Valeriana acutiloba* Rydb.] - UTF  
[*Valeriana capitata* Pall. subsp. *acutiloba* (Rydb.) F. G. Mey.] - SF!  
[*Valeriana capitata* Pall. ex Link subsp. *acutiloba* (Rydb.) F. G. Mey.] - HDH, W&W
- Valeriana arizonica* A. Gray - HDH, IMF, KTZ, SFE, UTF, W&W, E
- Valeriana dioica* L. var. *sylvatica* (Sol. ex Richardson) S. Watson - Dorn01, KTZ  
[*Valeriana dioica* L.] - GPF  
[*Valeriana dioica* L. subsp. *sylvatica* (Sol. ex Richardson) F. G. Mey.] - W&W, W&W<sup>1</sup>  
[*Valeriana dioica* L. var. *sylvatica* S. Watson] - KTZ <WY>, RMC
- Valeriana edulis* Nutt. ex Torr. & A. Gray var. *edulis* - IMF, KTZ, E/W  
[*Valeriana edulis* Nutt.] - Dorn01, GPF, SF!, W&W  
[*Valeriana edulis* Nutt. subsp. *edulis*] - HDH  
[*Valeriana edulis* Nutt. ex Torr. & A. Gray] - UTF
- Valeriana occidentalis* A. Heller - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

## Verbenaceae - VRB

(Identification sources: \_\_\_\_\_)

- ∴ *Caryopteris clandonensis* A. Simmonds ex Rehder - W&W  
[*Caryopteris incana* X *C. mongholica*] - KTZ  
[*Caryopteris* X *clandonensis* hort. ex Rehder] - KTZ
- Glandularia bipinnatifida* (Nutt.) Nutt. var. *bipinnatifida* - KTZ, E/W  
[*Glandularia bipinnatifida* (Nutt.) Nutt.] - Dorn01, SF!, W&W  
[*Verbena ambrosifolia* Rydb.] - HDH  
[*Verbena bipinnatifida* Nutt.] - GPF, HDH  
[*Verbena ciliata* Benth.] - HDH
- Glandularia bipinnatifida* (Nutt.) Nutt. var. *ciliata* (Benth.) B. L. Turner - KWA, HDH, KTZ  
[*Glandularia wrightii* (A. Gray) Umber] - KWA, W&W  
[*Verbena wrightii* A. Gray] - HDH
- {*Glandularia canadensis* (L.) Small} - W&W  
{*Glandularia canadensis* (L.) Nutt.} - KTZ  
{*Verbena canadensis* (L.) Britton} - HDH, GPF
- {*Glandularia gooddingii* (Briq.) Solbrig} - KTZ, W&W  
{*Verbena gooddingii* Briq.} - HDH rep., IMF, UTF

## Lippia (see **Phyla**)

- Phyla cuneifolia* (Torr.) Greene - Dorn01, HDH, IMF, KTZ, SFE, UTF, W&W, E  
[*Lippia cuneifolia* (Torr.) Steud.] - GPF
- Phyla lanceolata* (Michx.) Greene - HDH rep., IMF, KTZ, SFE, UTF, W&W, E  
[*Lippia lanceolata* (Michx.) Greene] - GPF
- {*Phyla nodiflora* (L.) Greene} - IMF, KTZ <AZ, KS, NM, OK, UT>, UTF, W&W

{*Lippia nodiflora* (L.) Michx.} - GPF

**Verbena (see *Glandularia*)**

Δ*Verbena bracteata* Lag. & Rodr. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

{*Verbena* X *crookshankii* Moldenke} - KTZ, Moldenke80

{*Verbena bracteata* X *V. hastata*} - KTZ

*Verbena hastata* L. - Dorn01, GPF, HDH, IMF, SFE, UTF, W&W, E

[*Verbena hastata* L. var. *scabra* Moldenke] - KTZ

*Verbena macdougalii* A. Heller - HDH, IMF, KTZ, SF!, UTF, W&W, E/W

*Verbena officinalis* L. var. *officinalis* - KTZ

*Verbena plicata* Greene - GPF, KTZ, SFE, W&W, E

*Verbena stricta* Vent. - Dorn01, GPF, HDH, IMF, KTZ, SFE, W&W, E

**Viburnaceae - VIB**

{*Viburnum acerifolium* L.} - KTZ, WY checklist

{*Viburnum acerifolium* var. *densiflorum* (Chapman) McAtee} - KTZ

{*Viburnum acerifolium* var. *glabrescens* Rehd.} - KTZ

{*Viburnum acerifolium* var. *ovatum* (Rehd.) McAtee} - KTZ

{*Viburnum densiflorum* Chapman} - KTZ

*Viburnum edule* (Michx.) Raf. - Dorn01, GPF, KTZ, SF!, W&W, E/W

[*Viburnum pauciflorum* Pylaie ex Torr. & A. Gray] - HDH, WY checklist

∴ *Viburnum lantana* L. - KTZ, SFE, W&W, E, WY checklist

[*Viburnum lantana* var. *sphaerocarpum* Gray ex Fern.] - KTZ

Δ *Viburnum lentago* L. - GPF, HDH, KTZ, SFE, UTF, W&W, E

[*Viburnum* × *vterri* Zabel] - KTZ

**Violaceae - VIO**

(Identification sources: \_\_\_\_\_)

*Hybanthus verticillatus* (Ortega) Baill. - GPF, HDH, KTZ, SFE, W&W, E

**Viola**

[WJ & NS - the genus is badly in need of revision in North America using well-articulated species criteria. The reworking of accepted taxa should be in context {minimally} of all North American material. See also Kelso03 and Mickinney92]

*Viola adunca* J. E. Sm. - Dorn01, SF!, W&W, E/W

[*Viola adunca* J. E. Sm. ex Rees] - UTF

[*Viola adunca* J. E. Sm. subsp. *adunca*] - HDH

[*Viola adunca* J. E. Sm. subsp. *ashtonae* M. S. Baker] - HDH

[*Viola adunca* J. E. Sm. subsp. *radicosa* M. S. Baker] - HDH

[*Viola adunca* J. E. Sm. var. *adunca*] - GPF, KTZ

*Viola affinis* Leconte - KTZ, E

[*Viola pratincola* Greene] - GPF

[*Viola sororia* Willd. subsp. *affinis* (Leconte) McKinney] - SFE

[*Viola sororia* Willd. var. *affinis* (Leconte) McKinney] - Dorn01, W&W<sup>1</sup>

Δ*Viola bicolor* Pursh - KTZ, E

[*Viola kitaibeliana* Roem. & Schult. var. *rafinesquei* (Greene) Fernald] - SFE, W&W

[*Viola rafinesquii* Greene] - GPF, HDH

- Viola biflora* L. - HDH, SF!, W&W, E/W  
 [ *Viola biflora* L. subsp. *biflora*] - KTZ
- Viola biternata* Greene  
 [WJ - see comments under *V. sheltonii*]
- Viola canadensis* L. - Dorn01, UTF, E/W  
 [ *Viola canadensis* L. var. *canadensis*] - HDH  
 [ *Viola canadensis* L. var. *rugulosa* (Greene) C. L. Hitchc.] - GPF, KTZ  
 [ *Viola canadensis* L. var. *scopulorum* A. Gray] - HDH, KTZ  
 [ *Viola rugulosa* Greene] - HDH, W&W<sup>1</sup>  
 [ *Viola rydbergii* Greene] - SF!, W&W  
 [ *Viola scopulorum* (A. Gray) Greene] - SF!, W&W
- Viola labradorica* Schrank - KTZ, SF!, W&W, E/W  
 [WJ - probably too many intermediates with *V. adunca* to recognize at the specific level. Small plants typical of higher elevations also extend well down into montane and the big plants extend into the subalpine; see HDH]  
 [ *Viola adunca* J. E. Sm. var. *bellidifolia* (Greene) Harrington] - HDH
- Viola macloskeyi* Lloyd var. *pallens* (Banks ex DC.) C. L. Hitchc. - E/W  
 [ *Viola palustris* L.] - WJ (pers. comm. 2004, see comments under *V. palustris*)  
 [ *Viola macloskeyi* Lloyd var. *macloskeyi*] - GPF  
 [ *Viola macloskeyi* Lloyd subsp. *pallens* (DC.) C. L. Hitchc.] - SF!  
 [ *Viola macloskeyi* Lloyd subsp. *pallens* (Banks ex DC.) M. S. Baker] - KTZ, W&W
- Viola missouriensis* Greene - KTZ, M&H  
 [ *Viola sororia* var. *missouriensis* (Greene) McKinney] - KWA, KTZ
- Viola nephrophylla* Greene - GPF, KTZ, UTF, E/W  
 [ *Viola sororia* Willd.] - SFW  
 [ *Viola sororia* Willd. subsp. *affinis* (Leconte) McKinney] - SFE
- Viola nuttallii* Pursh - Dorn01, GPF, WJ, KTZ, SF!, W&W, E/W  
 [WJ - should include also *V. praemorsa* and *V. vallicola*. Only one taxon present in CO and oldest name is *V. nuttallii*. One can find leaves of all three "species" in one population, often on same plant. Type locality of *V. praemorsa* is on Pacific coast. *V. nuttallii* leaves are long and narrow, whereas *V. praemorsa* are wider. There is a tendency for leaves to widen as one goes west from the Great Plains but where *nuttallii* ends and *praemorsa* begins is an unsolvable question. *V. vallicola* is supposed to have at least one leaf that is somewhat cordate to truncate at the base (fide M. Baker monograph). It is easy to find such leaves early in the season and they lengthen as the plant matures. I have photographed plants in a natural area near my house and all three "species" are present in that population]  
 [ *Viola nuttallii* Pursh var. *nuttallii*] - HDH
- ∴ *Viola odorata* L. - KTZ, SFE, UTF, W&W, E
- Viola palustris* L. - WY checklist, GPF, UTF, W&W, misid.  
 [WJ - No consistent differences between *V. palustris*, *V. renifolia* and *V. macloskeyi*. The flowers of each are the same. It is easy to find specimens in a "population" with reniform leaves and an apex on the leaf. Probably none have true rhizomes; the "stolons" become buried in duff and only resemble rhizomes. Taxonomy of group problematic due to excessive splitting by Baker in 1940s]  
 [ *Viola palustris* L. subsp. *brevipes* M. S. Baker] - HDH  
 [ *Viola palustris* L. var. *brevipes* (M. S. Baker) R. J. Davis] - KTZ  
 [ *Viola palustris* L. var. *palustris*]- HDH
- { *Viola pedata* L. } - GPF, HDH labels possibly mixed, KTZ <KS, NE, OK>, W&W
- Viola pedatifida* G. Don - GPF, HDH, KTZ, SF!, W&W, E/W
- Viola praemorsa* Douglas ex Lindl. var. *altior* - Dorn01  
 [ *Viola nuttallii* Pursh] - WJ (see comments under *V. nuttallii*)  
 [ *Viola nuttallii* Pursh var. *linguifolia* (Nutt.) Jeps.] - HDH  
 [ *Viola nuttallii* Pursh var. *major* Hook.] - UTF  
 [ *Viola praemorsa* Douglas ex Lindl. subsp. *linguifolia* (Nutt.) M. S. Baker & Clausen] - W&W  
 [ *Viola praemorsa* Douglas ex Lindl. subsp. *linguifolia* (Nutt.) M. S. Baker & Clausen ex Peck] - KTZ
- Viola pratincola* Greene - GPF

- [*Viola nephrophylla* Greene] - KTZ  
 [*Viola retusa* Greene] - HDH  
 [*Viola sororia* Willd. var. *sororia*] - W&W  
***Viola purpurea* Kellogg var. *venosa* (S. Watson) Brainerd** - Dorn01, HDH, UTF, E/W  
 [*Viola purpurea* Kellogg subsp. *venosa* (S. Watson) M. S. Baker & J. C. Clausen] - KTZ, SF!, W&W  
***Viola renifolia* A. Gray var. *brainerdii* (Greene) Fernald** - Dorn01, HDH, SFE, W&W, E/W  
 [*Viola palustris* L.] - WJ (pers. comm. 2004; see comments under *V. palustris*)  
 [*Viola renifolia* A. Gray] - GPF, KTZ, SFW  
***Viola selkirkii* Pursh ex Goldie** - HDH, KTZ, W&W, E  
 [*Viola selkirkii* Pursh] - GPF, SFE  
 {*Viola sheltonii* Torr.} - HDH, KTZ, W&W, W&W<sup>1</sup>, W  
 [WJ - A west coast/Pacific NW species that does not appear to occur in the Intermountain region. Putative specimens from CO confined to Grand Mesa highly disjunct from main range. Until better studied, should use *V. biternata* as suggested by W&W]  
 [*Viola biternata* Greene] - SFW, W&W<sup>1</sup>  
***Viola sororia* Willd.** - GPF, KTZ <KS, NE, OK>, SFW, W  
 [NS - for further discussion of this complex see Kelson 03 and McKinney92]  
 [*Viola nephrophylla* Greene] - HDH  
 [*Viola papilionacea* Pursh] - HDH  
 [*Viola retusa* Greene] - HDH  
 [*Viola sororia* Willd. var. *sororia*] - W&W  
***Viola tricolor* L.** - Dorn01  
***Viola utahensis* M. S. Baker & Clausen ex M. S. Baker** - Dorn01, SFW, W&W, W  
 [*Viola purpurea* Kellogg] - UTF  
 [*Viola utahensis* M. S. Baker & Clausen ex M. S. Baker] - KTZ  
***Viola vallicola* A. Nelson var. *major* (Hook.) Fabijan** - KTZ, E/W  
 [*Viola nuttallii* Pursh] - WJ (see comments under *V. nuttallii*)  
 [*Viola nuttallii* Pursh var. *major* Hook.] - UTF  
 [*Viola praemorsa* Douglas subsp. *major* (Hook.) M. S. Baker] - SF!, W&W  
 [*Viola praemorsa* Douglas ex Lindley subsp. *major* (Hook.) M. S. Baker] - W&W  
***Viola vallicola* A. Nelson var. *vallicola*** - KTZ, E/W  
 [*Viola nuttallii* Pursh] - GPF  
 [*Viola nuttallii* Pursh var. *vallicola* (A. Nelson) H. St. John] - HDH, UTF  
 [*Viola vallicola* A. Nelson] - SF!, W&W

## Viscaceae - VIS

### Arceuthobium

(Identification sources: \_\_\_\_\_)

- Arceuthobium americanum* Nutt. ex Engelm.** - Dorn01, HDH, IMF, KTZ, UTF, W&W, E/W  
 [*Arceuthobium americanum* Nutt.] - SF!  
 {*Arceuthobium campylopodum* Engelm.} - IMF, KTZ, W&W  
 {*Arceuthobium campylopodum* Engelm. forma *campylopodum*} - HDH, possibly  
***Arceuthobium cyanocarpum* (A. Nelson ex Rydb.) A. Nelson** - Dorn01, IMF, KTZ, E/W  
 [*Arceuthobium campylopodum* Engelm.] - KTZ  
 [*Arceuthobium campylopodum* Engelm. forma *abietinum* (Engelm.) Gill] - HDH, possibly  
 [*Arceuthobium campylopodum* Engelm. forma *cyanocarpum* (A. Nelson) Gill] - HDH  
 [*Arceuthobium campylopodum* Engelm. forma *microcarpum* (Engelm.) Gill] - HDH, possibly  
 [*Arceuthobium cyanocarpum* J. M. Coult. & A. Nelson] - SF!, UTF, W&W  
***Arceuthobium divaricatum* Engelm.** - IMF, KTZ, SF!, UTF, W&W, E/W



[*Arceuthobium campylopodium* Engelm. forma *divaricatum* (Engelm.) Gill] - HDH  
*Arceuthobium douglasii* Engelm. - Dorn01, HDH, IMF, KTZ, SF!, UTF, W&W, E/W  
*Arceuthobium vaginatum* (Willd.) J. Presl var. *cryptopodium* (Engelm.) Cronquist - IMF, E/W  
 [Arceuthobium vaginatum (Willd.) J. Presl] - HDH  
 [Arceuthobium vaginatum (Willd.) J. Presl subsp. *cryptopodium* (Engelm.) Hawksworth & Wiens] - KTZ, UTF  
 [Arceuthobium vaginatum (Willd.) C. Presl subsp. *cryptopodium* (Engelm.) Hawksworth & Wiens] - SF!,  
 W&W  
 {Arceuthobium vaginatum (Willd.) C. Presl var. *vaginatum*} - IMF  
 {Arceuthobium vaginatum (Willd.) C. Presl} - HDH  
 {Arceuthobium vaginatum (Willd.) C. Presl subsp. *vaginatum*} - W&W  
 {Phoradendron cockerellii Trelease} - HDH, questionable, W&W, mixed labels  
 {Phoradendron macrophyllum (Engelm.) Cockerell subsp. *cockerellii* (Trelease) Wiens} - KTZ  
*Phoradendron juniperinum* Engelm. - HDH, SFW, W&W, W  
 [Phoradendron juniperinum Engelm. ex A. Gray] - IMF, KTZ  
 [Phoradendron juniperinum A. Gray subsp. *juniperinum*] - UTF

## Vitaceae - VIT

Ampelopsis (see **Parthenocissus**)

Δ{*Parthenocissus quinquefolia* (L.) Planch.} - GPF, HDH, IMF, KTZ, SF!, UTF, W&W cult.,  
 W&W<sup>1</sup>, E/W  
 {WJ - doubtfully occurs outside of cultivation}  
 {*Parthenocissus inserta* (Kerner) Fritsch}  
*Parthenocissus vitacea* (Knerr) Hitchc. - Dorn01, GPF, HDH, IMF, KTZ, SF!, W&W<sup>1</sup>, E/W  
 [*Parthenocissus inserta* (Kerner) Fritsch] - W&W

*Vitis acerifolia* Raf. - GPF, KTZ, SFE, W&W<sup>1</sup>, E  
 [Vitis longii Prince] - HDH  
 [Vitis riparia Michx. subsp. *longii* (Prince) D. Rogers, in ed] - W&W  
 {*Vitis arizonica* Engelm.} - HDH exp., IMF, KTZ <AZ, NM, UT>, UTF, W&W  
 {WJ - doubtful for Colorado}  
 {*Vitis X doaniana* Munson ex Viala} - KTZ <NM, OK>  
 {*Vitis acerifolia X V. mustangensis*} - KTZ  
 {*Vitis doaniana* Munson ex Viala} - HDH, exp., W&W  
*Vitis riparia* Michx. - Dorn01, KTZ, SFE, E  
 [Vitis riparia Michx. subsp. *riparia*] - W&W  
 [Vitis riparia Michx. var. *riparia*] - GPF  
 [Vitis vulpina L.] - HDH, W&W<sup>1</sup>

## Xanthorrhoeaceae - XAN

∴ *Hemerocallis fulva* (L.) L. - Dorn01, KTZ <KS, NE, UT>, UTF  
 [*Hemerocallis fulva* L.] - GPF <KS>, HDH, corr. & add.

## Zannichelliaceae (see POT)

## Zygophyllaceae - ZYG (including Krameriaceae)

*Kallstroemia californica* (S. Watson) Vail - KWA, IMF, KTZ, UTF

[*Kallstroemia brachystylis* Vail] - KWA, KTZ, HDH, rep.

[*Kallstroemia californica* (S. Watson) Vail var. *brachystylis* (Vail) Kearney & Peebles] - KTZ, M&H,  
KWA, W&W, err. rep.

*Kallstroemia hirsutissima* Vail - M&H, GPF, HDH, W&W, err. rep.

[*Kallstroemia hirsutissima* Vail ex Small] - KTZ

*Kallstroemia parviflora* Norton - GPF, IMF, KTZ, SFE, UTF, W&W, E

[*Kallstroemia maxima* (L.) Hook. & Arn.] - KWA, M&H

[*Kallstromia intermedia* Rydb.] - M&H

{*Larrea divaricata* Cav.} - HDH, exp.

{*Larrea divaricata* (DC.) Coville} - UTF

{*Larrea tridentata* DC.} - W&W, err. rep.

{*Larrea tridentata* (Sessé & Moç. ex DC.) Coville} - IMF

{*Larrea tridentata* (Sessé & Moç. ex DC.) Coville var. *tridentata*} - KTZ <AZ, NM, UT>

∴ *Tribulus terrestris* L. - Dorn01, GPF, HDH, IMF, KTZ, SF!, UTF, W&W, E/W

{*Zygophyllum fabago* L.} - HDH, IMF, KTZ <KS, NM>, W&W

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